

# NEMSIS Data Dictionary

NHTSA v3.5.1

Build 240701 Candidate Release 1

### **EMS Data Standard**

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

www.NEMSIS.org

#### **NEMSIS Data Dictionary Version 3.5.1**

#### Overview

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.

The charts below outline the composition of the NEMSIS data standard into three data sets, EMS (ePCR), Demographic (Agency), and StateDataSet (SDS). They also show how the standard has changed from the previous version (v3.5.0) to the current version (v3.5.1).

#### Composition of the NEMSIS Version 3.5.1 Standard

Usage	EMSDataSet	DEMDataSet	StateDataSet	Total
Mandatory	21	25	11	57
Required	130	4	10	144
Recommended	61	44	10	115
Optional	237	83	16	336
Total	449	156	47	652

#### Changes from v3.5.0 to v3.5.1

Overall Changes			
	New	Updated	Deprecated
Total	12	74	1
EMS Elements	8	63	1
DEM Elements	4	8	0
StateDataSet Elements	0	3	0

Changes in National Elements		
	v3.5.0	v3.5.1
Total (excluding SDS, eOutcome)	155	8
Mandatory	32	2
Required	123	6

#### NEMSIS Version 3.5.1 Data Dictionary Content

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

#### **Data Element Number (1)**

- The NEMSIS Version 3 element numbering system has been revised to improve the information that can be derived from just the data element number. An example of a data element number is dAgency.01.
  - The data element number begins with either a "d" representing the demographic (agency) section or an "e" representing the EMS PCR section.
  - A one word descriptor for each section is now included in the data element number.
  - •A period separates the section (e.g. dAgency) from the data element number (e.g. 01).

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

- National = Yes, is an indication that the data element is required to be collected at the local EMS agency level and submitted to the state
- State = Yes, is an indication that the data element is recommended to be collected at the State level.

#### Data Element Name (3)

• The name for the data element.

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

• The definition for the data element.

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

- The NEMSIS Version 2.2.1 Data Element Number.
- If the Data Element is new to Version 3.5.1, the Version 2 Number will be blank.

#### **Data Structure Information**

- Recurrence (12)
  - •Indication that the data element can have more than one value.
    - Represented by two characters separated by a colon. The configuration includes:
      - •0:1 = element is not required and can occur only once
      - •0:M = element is not required and can repeat multiple times
      - •1:1 = element is required and can occur only once
      - •1:M = element is required and can repeat multiple times
- Usage (8)
  - Indication of when the data element is expected to be collected.
    - Mandatory = Must be completed and does not allow for NOT values
    - Required = Must be completed and allows NOT values
    - Recommended = Does not need to be completed and allows NOT values
    - Optional = Does not need to be completed and does not allow for NOT values
- NOT Value Characteristics (10)
  - •Indication that the data element can have NOT values.
  - NOT Values are used (where permitted) to document that a data element was not applicable, 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 a 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/NEMSISv3 AttributeUsage.pdf

- 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 a "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/NEMSISv3\_AttributeUsage.pdf
  - Example of use:
    - Example #1 Aspirin Administration:
      - If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".
- Is Nillable (11)
  - Indication that the element can accept a "blank" value.
  - If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

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

- Indication that the data element has value in describing, defining, or measuring EMS from a performance perspective. Performance Measures can be associated with EMS service delivery, patient care, or both. The following service delivery or time dependent illness/injury performance measure topics have been included in NEMSIS Version 3:
  - Airway Airway Management
  - Cardiac Arrest Out of Hospital Cardiac Arrest
  - Pediatric Acute Pediatric Care
  - Response EMS Response Time
  - STEMI ST Elevation Myocardial Infarction (STEMI)
  - Stroke Acute Stroke Care
  - Trauma Acute Injury/Trauma Care

#### Attributes (14)

•An attribute provides extra information within an element.

For information related to the first three attributes please see the NEMSIS document 'How to Utilize NEMSIS V3 "NOT values/pertinent negatives/nillable':

https://nemsis.org/media/nemsis\_v3/master/UsageGuides/NEMSISv3\_AttributeUsage.pdf 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 4 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 provide additional insight into the data element.

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

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

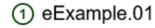
#### **Element Deprecated**(19)

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

#### **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.





2

State

National

#### (3) eExample.01 - Example Element Name

4 Definition

The definition of the element.

National Element	Yes	Pertinent Negatives (PN)	Yes (	<u></u>
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
8801007 - Medication Allergy
8801005 - Exam Finding Not Present
8801007 - Medication Allergy
8801005 - Exam Finding Not Present
8801003 - Denied By Order
8801005 - Exam Finding Not Present
8801003 - Denied By Order
8801005 - Exam Finding Not Present
8801003 - Present
8801005 - Exam Finding Not Present
8801003 - Denied By Order
8801005 - Exam Finding Not Present
8801003 - Present
8801007 - Not Present
8801005 - Exam Finding Not Present
8801003 - No Known Drug Allergy
8801015 - None Reported

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 white Space: preserve

nemsisElement

Data Type: String white Space: preserve

customValueDescription

Data Type: String white Space: 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

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

(16) Code List

Code Description SSEE001 Value A

SSEE003 Value B

SSEE005 Value C

SSEE007 Value D

00FF000 Value F

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).

the element, of it should be elimined in the element is optional.

nemSch\_e136 Warning Example Element Name should be recorded, unless Other Element Name is "Yes".

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sFacility.12 - Facility Country	819 820
sFacility.13 - Facility GPS Location	820 821
sFacility.14 - Facility US National Grid Coordinates sFacility.15 - Facility Phone Number	821 822
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## **EMSDataSet**

Legend

Dataset Level: National State

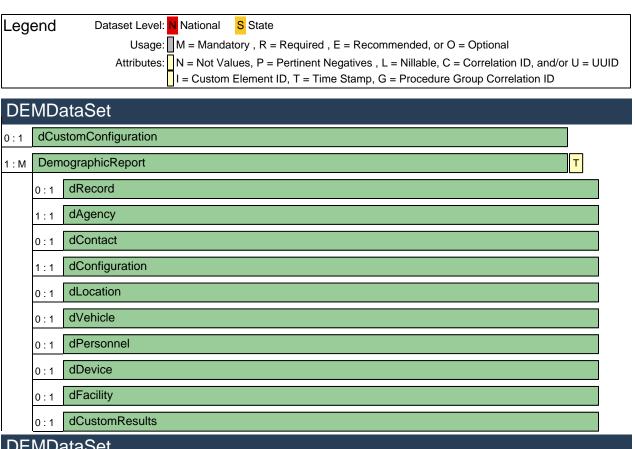
Usage: M = Mandatory, R = Required, E = Recommended, or O = Optional

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

I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

#### **EMSDataSet** Header 1 : M DemographicGroup dAgency.01 - EMS Agency Unique State ID dAgency.02 - EMS Agency Number 1:1 dAgency.04 - EMS Agency State 1:1 eCustomConfiguration 0:1 PatientCareReport U 1 : M eRecord 1:1 1:1 eResponse eDispatch 1:1 eCrew 0:1 eTimes 1:1 **ePatient** 1:1 ePayment 1:1 eScene 1:1 eSituation 1:1 elnjury eArrest 1:1 eHistory 1:1 eNarrative 0:1 eVitals 1:1 eLabs 0:1 eExam **eProtocols e**Medications 1:1 eProcedures eAirway 0:1 eDevice 0:1 eDisposition eOutcome eCustomResults eOther

## **DEMDataSet**



#### **DEMDataSet**

#### Associated Validation Rules

Rule ID Level

nemSch\_d004 Error

The timestamp of the DemographicReport should not be in the future (the current time according to this system is (value)).

## **StateDataSet**

Legend	Dataset Level: 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
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

#### StateDataSet sState 1:1 seCustomConfiguration 0:1 sdCustomConfiguration sSoftware 1:1 sElement 1:1 sConfiguration 0 : 1 sAgency 0:1 sFacility

#### StateDataSet

#### Associated Validation Rules

Rule ID Level Message Error

nemSch\_s004

The timestamp of the StateDataSet should not be in the future (the current time according to this system is (value)).

NEMSIS Version 3.5.1.240701CR1 dAgency.01

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

Associat	ted Performance I	Measure Initi	atives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	

#### Constraints

Data TypeminLengthmaxLengthstring150

#### **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.

NEMSIS Version 3.5.1.240701CR1 dAgency.02

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 TypeminLengthmaxLengthstring115

#### **Data Element Comment**

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

NEMSIS Version 3.5.1.240701CR1 dAgency.04

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**

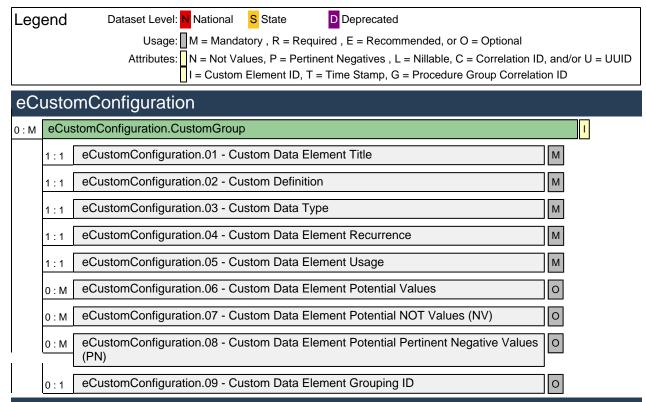
This has been clarified to reflect that it is the state associated with the EMS Agency number listed in dAgency.02 – EMS Agency Number.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d01	0 Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d01	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.
nemSch_d01	3 Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.

# **eCustomConfiguration**



#### eCustomConfiguration.01 - Custom Data Element Title

#### Definition

This is the title of the custom data element created to collect information that is not defined formally in NEMSIS Version 3.

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

#### Attributes

#### nemsisElement

Data Type: anySimpleType whiteSpace: preserve

#### Constraints

Data Type	minLength	maxLength
string	2	100

#### Data Element Comment

This is grouped with all data elements in this section and can have multiple instances.

## Version 3 Changes Implemented

## eCustomConfiguration.02 - Custom Definition

#### Definition

The definition of the custom element and how it should be used.

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

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Data TypeminLengthmaxLengthstring2255

## eCustomConfiguration.03 - Custom Data Type

#### Definition

## The data type of the custom element.

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

## Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other
9902009	Text/String
9902011	Boolean

#### eCustomConfiguration.04 - Custom Data Element Recurrence

#### Definition

Indication if the data element will accept multiple values.

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

#### Code List

Code Description

9923001 No 9923003 Yes

#### **Data Element Comment**

#### Version 3 Changes Implemented

#### eCustomConfiguration.05 - Custom Data Element Usage

#### Definition

The Usage (Mandatory, Required, Recommended or Optional) for the Custom Data Element.

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

#### Code List

CodeDescription9903001Mandatory9903003Required9903005Recommended9903007Optional

#### **Data Element Comment**

Mandatory = Must be completed and will not accept null values Required = Must be completed but will accept null values

Recommended = Not required but if collected will accept null values

Optional = Not required but if collected, it cannot be a null value.

#### Version 3 Changes Implemented

#### eCustomConfiguration.06 - Custom Data Element Potential Values

#### Definition

The values which are associated with the Custom Data Element. Values would be the choices provided to the user when they document the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### nemsisCode

Data Type: anySimpleType whiteSpace: preserve

customValueDescription

Data Type: anySimpleType whiteSpace: preserve

#### Constraints

Data TypeminLengthmaxLengthstring1100

#### **Data Element Comment**

#### Version 3 Changes Implemented

## eCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)

#### Definition

#### NOT Values (NV) associated with the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Code List

CodeDescription7701001Not Applicable7701003Not Recorded7701005Not Reporting

## eCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)

#### Definition

## Pertinent Negative Values (PN) associated with the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Code List

Description
Contraindication Noted
Denied By Order
Exam Finding Not Present
Medication Allergy
Medication Already Taken
No Known Drug Allergy
None Reported
Not Performed by EMS
Refused
Unresponsive
Unable to Complete
Not Immunized
Order Criteria Not Met
Approximate
Symptom Not Present

## eCustomConfiguration.09 - Custom Data Element Grouping ID

#### Definition

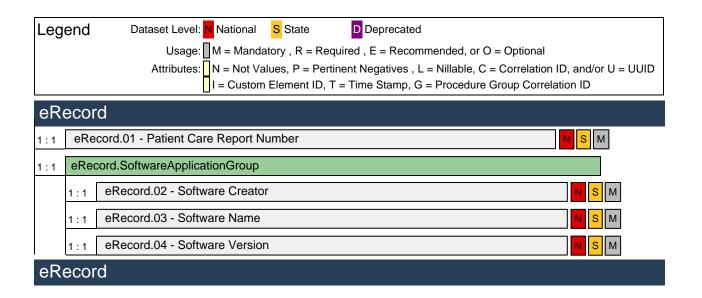
## ID for custom element grouping.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data TypeminLengthmaxLengthstring2255

## eRecord



State

National

## eRecord.01 - Patient Care Report Number

#### Definition

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

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

Associat	ted Performance I	Measure Initi	atives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	

#### Constraints

Data Type	minLength	maxLength
string	3	50

State

National

#### eRecord.02 - Software Creator

#### Definition

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

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

#### Data Element Comment

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

State

National

## eRecord.03 - Software Name

#### Definition

The name of the application used to create this record.

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

#### Data Element Comment

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

State

National

## eRecord.04 - Software Version

## Definition

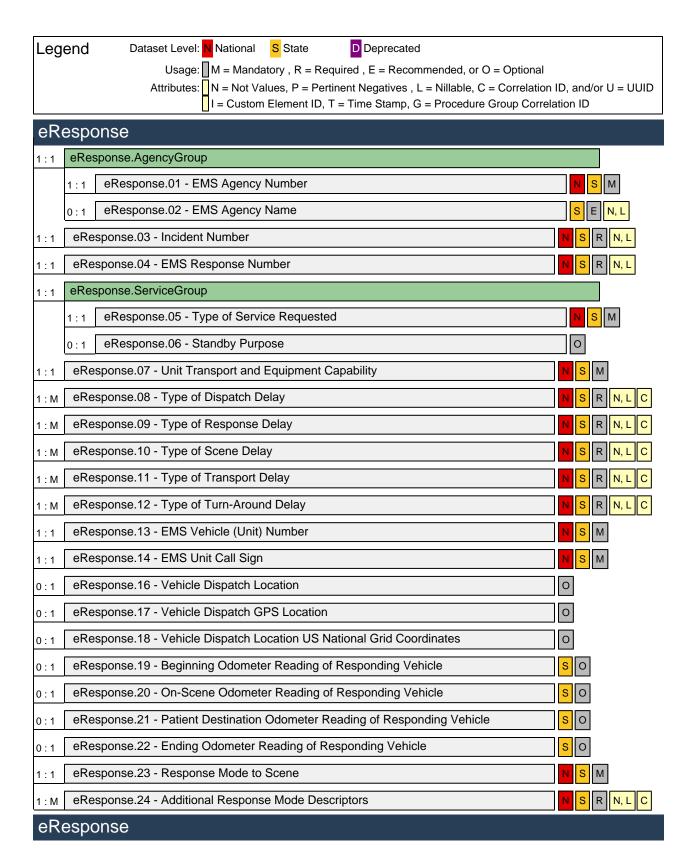
The version of the application used to create this record.

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

# eResponse



NEMSIS Version 3.5.1.240701CR1 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 TypeminLengthmaxLengthstring115

#### **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

nemSch\_e011 Warning EMS Agency Number in the patient care report should match EMS Agency Number in the

agency demographic information.

## eResponse.02 - EMS Agency Name

#### Definition

#### The EMS agency's name.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Constraints

Data TypeminLengthmaxLengthstring2100

#### **Data Element Comment**

Added to better identify the EMS Agency associated with the EMS event.

should be empty.

Rule ID	Level	Message
nemSch_e001	Error	When EMS Agency 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 e002	Error	When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

**National** 

## eResponse.03 - Incident Number

#### Definition

The incident number assigned by the 911 Dispatch System.

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

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

Data Type	minLength	maxLength
string	3	50

#### **Data Element Comment**

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

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When Incident Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

NEMSIS Version 3.5.1.240701CR1 eResponse.04

State

National

## eResponse.04 - EMS Response Number

#### Definition

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

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

#### Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Constraints

Data Type	minLength	maxLength	
string	3	50	

#### Data Element Comment

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When EMS Response Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

**National** 

#### eResponse.05 - Type of Service Requested

#### Definition

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

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

Associated Performance Measure Initiatives							
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	

#### Code List

Description
Emergency Response (Primary Response Area)
Emergency Response (Intercept)
Emergency Response (Mutual Aid)
Hospital-to-Hospital Transfer
Hospital to Non-Hospital Facility Transfer
Non-Hospital Facility to Non-Hospital Facility Transfer
Non-Hospital Facility to Hospital Transfer
Other Routine Medical Transport
Public Assistance
Standby
Support Services
Non-Patient Care Rescue/Extrication
Crew Transport Only
Transport of Organs or Body Parts
Mortuary Services
Mobile Integrated Health Care Encounter
Evaluation for Special Referral/Intake Programs
Administrative Operations

#### **Data Element Comment**

Values for "911 Response (Scene)", "Intercept", and "Mutual Aid" have been relabeled to start with "Emergency Response" to more easily identify these options. "Interfacility Transport" was relabeled to "Hospital-to-Hospital Transfer" to be more accurate; "Medical Transport" was relabeled to "Other Medical Needs Transport" to cover any other medical transports such as transports to and from dialysis, doctor appointments, return home, or nursing homes. Values added to consolidate types of service previously captured in "Primary Role of Unit" and eDisposition.12 as found in V3.4.0. Additional values added to reflect emerging service types.

#### Version 3 Changes Implemented

With the release of v3.5.0 values were added to meet the needs of EMS

Rule ID Lev	vel	Message
nemSch_e075 War	rning	Date/Time of Symptom Onset should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e076 War	rning	Possible Injury should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e080 <mark>War</mark>	rning	Primary Symptom should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".

nemSch\_e082 Warning Provider's Primary Impression should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".

Initial Patient Acuity should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".

Reason for Interfacility Transfer/Medical Transport should only be recorded when Type of Service Requested is "... Transfer" or "Other Routine Medical Transport".

#### eResponse.06 - Standby Purpose

#### Definition

The main reason the EMS Unit is on Standby as the Primary Type of Service for the EMS event.

National Element	No Pertinent Negatives (PN)		No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code	Description
2206001	Disaster Event-Drill/Exercise
2206003	Disaster Event-Live Staging
2206005	Education
2206007	EMS Staging-Improve Coverage
2206009	Fire Support-Rehab
2206011	Fire Support-Standby
2206013	Mass Gathering-Concert/Entertainment Event
2206015	Mass Gathering-Fair/Community Event
2206017	Mass Gathering-Sporting Event
2206019	Other
2206021	Public Safety Support

#### Data Element Comment

Added to document the reason for "Standby" when populated in eResponse.05 (Type of Service Requested). This information will assist in administrative analysis of EMS service delivery, special event coverage, etc.

**National** 

#### eResponse.07 - Unit Transport and Equipment Capability

#### Definition

The transport and equipment capabilities 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

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

#### Code List

Code	Description
2207011	Air Transport-Helicopter
2207013	Air Transport-Fixed Wing
2207015	Ground Transport (ALS Equipped)
2207017	Ground Transport (BLS Equipped)
2207019	Ground Transport (Critical Care Equipped)
2207021	Non-Transport-Medical Treatment (ALS Equipped)
2207023	Non-Transport-Medical Treatment (BLS Equipped)
2207025	Wheel Chair Van/Ambulette
2207027	Non-Transport-No Medical Equipment

#### **Data Element Comment**

Element relabeled from "Primary Role of Unit" to "Unit Transport and Equipment Capability" to better reflect its new defined purpose and allow the deprecation of eResponse.15 "Level of Care of This Unit". V3.4.0 Non-Transport values deprecated as these are types of service and were moved to eResponse.05 "Type of Service Requested". Values have been added to better capture transport capability and available equipment. These values should be tied to the capabilities and role of the unit and not reflect the level of providers responding to an event.

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.

#### Version 3 Changes Implemented

With the release of V3.5.0 values were deprecated, added, and relabeled to meet the needs of EMS.

**National** 

#### eResponse.08 - Type of Dispatch Delay

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
2208001	Caller (Uncooperative)
2208003	Diversion/Failure (of previous unit)
2208005	High Call Volume
2208007	Language Barrier
2208009	Incomplete Address Information Provided
2208011	No EMS Vehicles (Units) Available
2208013	None/No Delay
2208015	Other
2208017	Technical Failure (Computer, Phone etc.)
2208019	Communication Specialist-Assignment Error
2208021	No Receiving MD, Bed, Hospital
2208023	Specialty Team Delay
	openiary rouning policy

#### **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).

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Type of Dispatch Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Type of Dispatch Delay has a Not Value, no other value should be recorded.
nemSch_e012	Warning	When Type of Dispatch Delay is "None/No Delay", no other value should be recorded.

NEMSIS Version 3.5.1.240701CR1 eResponse.09

State

**National** 

#### eResponse.09 - Type of Response Delay

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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
2209035	Out of Service Area Response

#### 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).

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Type of Response Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	9 <mark>Warning</mark>	When Type of Response Delay has a Not Value, no other value should be recorded.
nemSch_e01	3 Warning	When Type of Response Delay is "None/No Delay", no other value should be recorded.

**National** 

#### eResponse.10 - Type of Scene Delay

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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).

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When Type of Scene Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	9 Warning	When Type of Scene Delay has a Not Value, no other value should be recorded.
nemSch_e014	4 Warning	When Type of Scene Delay is "None/No Delay", no other value should be recorded.

**National** 

#### eResponse.11 - Type of Transport Delay

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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).

D 1.1D 11	••
Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Type of Transport Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warnin	When Type of Transport Delay has a Not Value, no other value should be recorded.
nemSch_e015 Warnin	When Type of Transport Delay is "None/No Delay", no other value should be recorded.

**National** 

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

#### Definition

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

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

#### Associated Performance Measure Initiatives

#### Response

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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].

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	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).
nemSch_e00	)2 Error	When Type of Turn-Around Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

nemSch\_e009 Warning When Type of Turn-Around Delay has a Not Value, no other value should be recorded.

nemSch\_e016 Warning When Type of Turn-Around Delay is "None/No Delay", no other value should be recorded.

NEMSIS Version 3.5.1.240701CR1 eResponse.13

State

**National** 

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

#### Definition

The unique physical vehicle number of the responding unit.

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

#### Constraints

Data TypeminLengthmaxLengthstring125

#### **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.

National

## eResponse.14 - EMS Unit Call Sign

#### Definition

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

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

<sup>&</sup>quot;This element could be populated from a list created in dVehicle.03 EMS Unit Call Sign or dConfiguration.16 (Crew Call Sign).

#### eResponse.16 - Vehicle Dispatch Location

#### Definition

The geographic location of the EMS unit or crew at the time of dispatch.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E02_13	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminLengthmaxLengthstring2100

#### Data Element Comment

This element can be populated from dLocation.02 EMS Location Name or dFacility information. Depending on the information the EMS Agency or State is interested in knowing the following elements can be utilized:

- 1. dLocation.02 EMS Location Name
- 2. dFacility.02 Facility Name
- 3. dFacility.03 Facility Code

# eResponse.17 - Vehicle Dispatch GPS Location

# Definition

The GPS coordinates associated with the EMS unit at the time of dispatch documented in decimal degrees.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E02_15 Is Nillable		No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Response

# Constraints

 $(+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?), (+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9])(\.[0-9]{1,6})?)$ 

# **Data Element Comment**

The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

# eResponse.18 - Vehicle Dispatch Location US National Grid Coordinates

# Definition

The US National Grid Coordinates for the EMS Vehicle's Dispatch Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

# Pattern

 $([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]\{10\}$ 

# Data Element Comment

Standard found at www.fgdc.gov/usng. Used by the EMS components of US Governmental entities such as national parks and military agencies.

# eResponse.19 - Beginning Odometer Reading of Responding Vehicle

# Definition

The mileage (counter or odometer reading) of the vehicle at the beginning of the call (when the wheels begin moving). If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_16	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

# **Data Element Comment**

If a mileage counter is being used instead of an odometer, this value would be 0.

# eResponse.20 - On-Scene Odometer Reading of Responding Vehicle

# Definition

The mileage (counter or odometer reading) of the vehicle when it arrives at the scene. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method).

National Element	No	Pertinent Negatives (PN) No	
State Element	Yes	NOT Values	No
Version 2 Element	E02_17	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

# **Data Element Comment**

If using a counter, this is the mileage traveled from dispatch to the scene starting from 0.

# eResponse.21 - Patient Destination Odometer Reading of Responding Vehicle

## Definition

The mileage (counter or odometer reading) of the vehicle when it arrives at the patient's destination. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method).

National Element	No	Pertinent Negatives (PN) No	
State Element	Yes	NOT Values	No
Version 2 Element	E02_18	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

## **Data Element Comment**

If using a counter, this is the mileage traveled from dispatch to the patient's transport destination starting from 0.

# eResponse.22 - Ending Odometer Reading of Responding Vehicle

# Definition

If using a counter, this is the mileage traveled beginning with dispatch through the transport of the patient to their destination and ending when back in service, starting from 0. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of boat, Fixed Wing, or Rotor Craft in eDisposition.16.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_19	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

# Data Element Comment

NEMSIS Version 3.5.1.240701CR1 eResponse.23

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

Associat	ted Performance I	Measure Initi	atives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	

# Code List

Code	Description
2223001	Emergent (Immediate Response)
2223003	<b>Emergent Downgraded to Non-Emergent</b>
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)

NEMSIS Version 3.5.1.240701CR1 eResponse.24

State

National

# eResponse.24 - Additional Response Mode Descriptors

## Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# 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

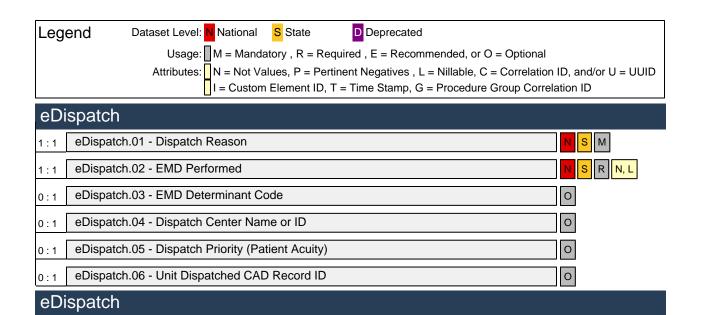
# Data Element Comment

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
nemSch_e001 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).
nemSch_e002 Error	When Additional Response Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Additional Response Mode Descriptors has a Not Value, no other value should be recorded.

# **eDispatch**



National

# eDispatch.01 - Dispatch Reason

# Definition

The dispatch reason 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

2301089 Nausea

Code Lis	t
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 Troffig/Transportation Incident
2301069	Traffic/Transportation Incident Transfor/Interfacility/Pollinging Core
2301071 2301073	Transfer/Interfacility/Palliative Care
2301073	Traumatic Injury Well Person Check
2301073	Unconscious/Fainting/Near-Fainting
2301077	Unknown Problem/Person Down
2301079	Drowning/Diving/SCUBA Accident
2301081	Airmedical Transport
2301085	Altered Mental Status
2301087	Intercept
2001001	intoroopt

2301091 Vomiting

2301093 Hanging/Strangulation/Asphyxiation

2301095 Intoxicated Subject

2301097 EMS Requested by Law Enforcement

2301099 Active Shooter

# Data Element Comment

Added Pandemic/Epidemic/Outbreak.

Added Automated Crash Notification

Added Healthcare Professional Admission

Added Transfer/Interfacility/Palliative Care

- Other entries expanded based on current national EMD Dispatch List

State

**National** 

# eDispatch.02 - EMD Performed

# Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

# Code List

Code Description

2302001 No

2302003 Yes, With Pre-Arrival Instructions 2302005 Yes, Without Pre-Arrival Instructions

2302007 Yes, Unknown if Pre-Arrival Instructions Given

# **Data Element Comment**

## Associated Validation Rules

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When EMD Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eDispatch.03 - EMD Determinant Code

# Definition

The EMD Determinant Code reported by dispatch, consisting of the card number, dispatch level, and dispatch mode.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E03_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

Associa	Associated Performance Measure Initiatives							
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma		
Constrai	ints							

Data Type	minLength	maxLength
string	1	10

Data Element Comment

# eDispatch.04 - Dispatch Center Name or ID

# Definition

The name or ID of the dispatch center providing electronic data to the PCR for the EMS agency, if applicable.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type	minLength	maxLength
string	2	100

# Data Element Comment

This element can be used to identify the dispatch center (Primary or Secondary Public Safety Answering Point - PSAP) that dispatches the EMS agency. If the EMS agency is able to populate the Patient Care Report (PCR) with CAD specific details (times, incident address information, crew information, EMD, etc.) the name or ID of the dispatch center should be documented.

# Version 3 Changes Implemented

Added to the dataset to assist in identifying the CAD / dispatch center providing information to the EMS agency and ePCR when there are multiple dispatch centers sending resources to the same EMS incident.

# eDispatch.05 - Dispatch Priority (Patient Acuity)

# Definition

The actual, apparent, or potential acuity of the patient's condition as determined through information obtained during the EMD process.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	on 2 Element Is Nillable		No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescription2305001Critical2305003Emergent2305005Lower Acuity

2305007 Non-Acute [e.g., Scheduled Transfer or Standby]

# **Data Element Comment**

The use of acuity values vary by EMS agency. Some systems may utilize fewer than four levels and some more. The use of four levels is to capture the majority and allow for the inclusion of the NHTSA National EMS Core Content definitions for patient acuity, specifically: Critical, Emergent, and Lower Acuity.

Provided below is an example application only. This example bears no relationship to any particular federal, state, or agency billing requirement.

For EMS Agencies and CAD / EMD systems utilizing Alpha-Echo, Omega levels for determining the priority level for dispatch of the EMS unit, the recommended mapping is:

Echo = Critical	Charlie = Emergent	Alpha = Lower Acuity
Delta = Critical	Bravo = Emergent	Omega = Non-Acute

Patient Acuity definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS at <a href="https://www.ems.gov/assets/National">https://www.ems.gov/assets/National</a> EMS Core Content.pdf

For Air Medical Transports the most appropriate values choices should be limited to two: Emergent and Non-Acute.

# eDispatch.06 - Unit Dispatched CAD Record ID

# Definition

The unique ID assigned by the CAD system for the specific unit response.

National Element	No	Pertinent Negatives (PN)	No
State Element	No NOT Values		No
Version 2 Element Is Nillable		Is Nillable	No
Usage	Optional	Optional Recurrence	

# Constraints

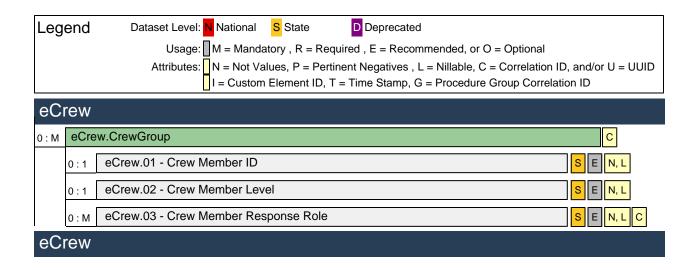
Data Type	minLength	maxLength
string	3	50

# Data Element Comment

The Unit Dispatched CAD Record ID is populated from a CAD system. This information will not be known to the EMS professional.

Use Case: Some CAD systems may use the Unit Dispatched CAD Record ID as the Patient Care Report Number (eRecord.01). This may also be a GUID from a CAD system. A GUID for the CAD push to remain unique as updates are sent from CAD. This could be a stream and unique to the record or patient depending on the capabilities of the CAD system. How the Unit Dispatched CAD Record ID is created could vary as it could be a concatenation of multiple elements or a true GUID.





# eCrew.01 - Crew Member ID

## Definition

The state certification/licensure ID number assigned to the crew member.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E04_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

## **NOT Values (NV)**

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

# Constraints

Data TypeminLengthmaxLengthstring250

## **Data Element Comment**

Document the state certification/licensure ID for the state where the event occurred.

## Associated Validation Rules

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

nemSch\_e001 Error When Crew Member ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or

Not Reporting, 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\_e002 Error When Crew Member ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

# eCrew.02 - Crew Member Level

# Definition

The functioning level of the crew member ID during this EMS patient encounter.

National Element	No	Pertinent Negatives (PN)	No
State Element	Element Yes		Yes
Version 2 Element	E04_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Associated Performance Measure Initiatives

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

# Attributes

# NOT Values (NV)

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

# Code List

Code	Description
9925001	Advanced Emergency Medical Technician (AEMT)
9925002	Emergency Medical Technician - Intermediate
9925003	Emergency Medical Responder (EMR)
9925005	Emergency Medical Technician (EMT)
9925007	Paramedic
9925023	Other Healthcare Professional
9925025	Other Non-Healthcare Professional
9925027	Physician
9925029	Respiratory Therapist
9925031	Student
9925033	Critical Care Paramedic
9925035	Community Paramedicine
9925037	Nurse Practitioner
9925039	Physician Assistant
9925041	Licensed Practical Nurse (LPN)
9925043	Registered Nurse

# Data Element Comment

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

# Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Crew Member 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).
nemSch_e002	Error	When Crew Member Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eCrew.03 - Crew Member Response Role

# Definition

The role(s) of the crew member during response, at scene treatment, and/or transport.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E04_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

# Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
2403001	Driver/Pilot-Response
2403003	Driver/Pilot-Transport
2403005	Other
2403007	Other Patient Caregiver-At Scene
2403009	Other Patient Caregiver-Transport
2403011	Primary Patient Caregiver-At Scene
2403013	Primary Patient Caregiver-Transport

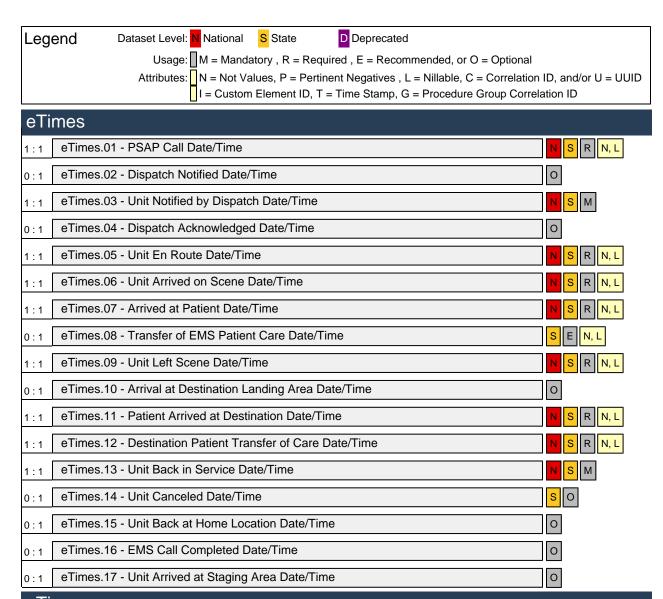
# **Data Element Comment**

This element has been changed to allow for multiple selections. There must be a driver for response and transport. There must be a primary patient caregiver for scene and transport.

# Associated Validation Rules

Rule ID Level	Message
nemSch_e001 Error	When Crew Member Response Role is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Crew Member Response Role has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Crew Member Response Role has a Not Value, no other value should be recorded.

# eTimes



# eTimes

eTimes.01

State

**National** 

# 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**

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

### **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+)? (zzzzzzz)

уууу	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
Т	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

nemSch\_e001 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).

nemSch\_e002 Error When PSAP Call Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

nemSch\_e017 Warning Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time.

eTimes.02

# eTimes.02 - Dispatch Notified Date/Time

# Definition

The date/time dispatch was notified by the 911 call taker (if a separate entity).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E05_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

# **Data Element Comment**

This date/time might be the same as PSAP Call Date/Time (eTimes.01).

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

NEMSIS Version 3.5.1.240701CR1 eTimes.03

State

National

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

# Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

## **Data Element Comment**

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

ortion
whole seconds
S
ed 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
nemSch_e017 Warning	Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time.
nemSch_e019 Warning	Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e021 Warning	Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e024 Warning	Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e026 Warning	Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

nemSch_e031 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e037 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e046 Warning	Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e126 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".
nemSch_e137 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".
nemSch_e152 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".
nemSch_e177 Warning	Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch Date/Time.

eTimes.04

# eTimes.04 - Dispatch Acknowledged Date/Time

# Definition

The date/time the dispatch was acknowledged by the EMS Unit.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

# **Data Element Comment**

This is the end of turnout time or the beginning of response time. Added per Fire Service to better calculate NFPA 1710.

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(required) represents the timezone (as described below)

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

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

eTimes.05 NEMSIS Version 3.5.1.240701CR1

**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

2050-01-01T00:00:00-00:00 dateTime 1950-01-01T00:00:00-00:00

**Pattern** 

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

# **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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 hour	
mm	a two-digit numeral that represents the minutes	
'+'	a nonnegative duration	
'_'	a nonpositive duration	

# Associated Validation Rules

Rule ID Level Message

nemSch\_e001 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).

nemSch_e002	When Unit En Route Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e018 Warning	Unit En Route Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e019 Warning	Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e022 Warning	Unit Arrived on Scene Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e027 Warning	Unit Left Scene Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e032 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e038 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e047 Warning	Unit Back in Service Date/Time should not be earlier than Unit En Route Date/Time.

NEMSIS Version 3.5.1.240701CR1 eTimes.06

State

National

# 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+)? (zzzzzzz)

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

nemSch\_e001 Error When Unit A

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).

nemSch_e002 Error	When Unit Arrived on Scene Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e020 Warning	Unit Arrived on Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e021 Warning	Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e022 Warning	Unit Arrived on Scene Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e028 Warning	Unit Left Scene Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e033 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e039 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e048 Warning	Unit Back in Service Date/Time should not be earlier than Unit Arrived on Scene Date/Time.

NEMSIS Version 3.5.1.240701CR1 eTimes.07

State

National

## 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**

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

# **Data Element Comment**

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

уууу	a four-digit numeral that represents the year
ייַי	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

nemSch\_e001 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).

nemSch_e002 Error	When Arrived at Patient Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e023 Warning	Arrived at Patient Date/Time should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e024 Warning	Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e029 Warning	Unit Left Scene Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e034 Warning	Patient Arrived at Destination Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e040 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e049 Warning	Unit Back in Service Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e127 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".
nemSch_e130 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".
nemSch_e138 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".
nemSch_e141 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".
nemSch_e153 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".
nemSch_e156 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".

State

#### eTimes.08 - Transfer of EMS Patient Care Date/Time

#### Definition

The date/time the patient was transferred from this EMS agency to another EMS agency for care.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

#### 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+)? (zzzzzzz)

уууу	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
Т	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
zzzzz	(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	
'_'		

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Transfer of EMS Patient 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).

NEMSIS Version 3.5.1.240701CR1 eTimes.09

State

National

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

#### Definition

The date/time the responding unit left the scene (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 77010

7701003 - Not Recorded

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

#### **Data Element Comment**

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

уууу	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
Т	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
zzzzz	(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

nemSch\_e001 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).

nemSch_e002 Error	When Unit Left Scene Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e025 Warning	Unit Left Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e026 Warning	Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e027 Warning	Unit Left Scene Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e028 Warning	Unit Left Scene Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e029 Warning	Unit Left Scene Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e035 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Left Scene Date/Time.
nemSch_e041 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Left Scene Date/Time.
nemSch_e050 Warning	Unit Back in Service Date/Time should not be earlier than Unit Left Scene Date/Time.

eTimes.10

# eTimes.10 - Arrival at Destination Landing Area Date/Time

#### Definition

The date/time the Air Medical vehicle arrived at the destination landing area.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

# **Data Element Comment**

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

уууу	a four-digit numeral that represents the year
121	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(required) represents the timezone (as described below)

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

NEMSIS Version 3.5.1.240701CR1 eTimes.11

State

National

#### 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

7701003 - Not Recorded

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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

nemSch\_e001 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).

nemSch_e002 Error	When Patient Arrived at Destination Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e030 Warning	Patient Arrived at Destination Date/Time should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e031 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e032 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e033 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e034 Warning	Patient Arrived at Destination Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e035 Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Left Scene Date/Time.
nemSch_e042 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
nemSch_e051 Warning	Unit Back in Service Date/Time should not be earlier than Patient Arrived at Destination Date/Time.

eTimes.12 NEMSIS Version 3.5.1.240701CR1

**National** 

#### 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+)? (zzzzzzz)

уууу	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
Т	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

nemSch\_e001 Error When Destination Patient Transfer of Care Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if

	allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002 Error	When Destination Patient Transfer of Care Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e036 Warning	Destination Patient Transfer of Care Date/Time should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e037 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e038 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e039 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e040 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Arrived at Patient Date/Time.
nemSch_e041 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Left Scene Date/Time.
nemSch_e042 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
nemSch_e043 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.
nemSch_e044 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Well.
nemSch_e045 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest.
nemSch_e052 Warning	Unit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time.
nemSch_e128 Warning	Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e139 Warning	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e154 Warning	Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e178 Warning	Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient Transfer of Care Date/Time.

NEMSIS Version 3.5.1.240701CR1 eTimes.13

State

National

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

#### Definition

The date/time the unit 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** 

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

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

Rule ID Level	Message
nemSch_e046 Warning	Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e047 Warning	Unit Back in Service Date/Time should not be earlier than Unit En Route Date/Time.
nemSch_e048 Warning	Unit Back in Service Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
nemSch_e049 Warning	Unit Back in Service Date/Time should not be earlier than Arrived at Patient Date/Time.

nemSch_e050 Warning	Unit Back in Service Date/Time should not be earlier than Unit Left Scene Date/Time.
nemSch_e051 Warning	Unit Back in Service Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
nemSch_e052 Warning	Unit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time.
nemSch_e053 Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Symptom Onset.
nemSch_e054 Warning	Unit Back in Service Date/Time should not be earlier than Date/Time Last Known Well.
nemSch_e055 Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Cardiac Arrest.
nemSch_e056 Warning	Unit Back in Service Date/Time should not be in the future (the current time according to this system is (value)).
nemSch_e129 Warning	Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.
nemSch_e140 Warning	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.
nemSch_e155 Warning	Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time.
nemSch_e179 Warning	Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time.

State

#### eTimes.14 - Unit Canceled Date/Time

#### Definition

The date/time the unit was canceled.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E05_12	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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** 

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

#### **Data Element Comment**

This date/time is to be documented if the unit went en route but neither arrived on scene nor made patient contact.

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

уууу	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		
Т	separator that indicates time-of-day follows		
hh	a two-digit numeral that represents the hour		
1:1	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		
zzzzz	(required) represents the timezone (as described below)		

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

NEMSIS Version 3.5.1.240701CR1 eTimes.15

# eTimes.15 - Unit Back at Home Location Date/Time

#### Definition

The date/time the responding unit was back in their service area. With agencies who utilized Agency Status Management, home location means the service area as assigned through the agency status management protocol.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E05_13	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### 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** 

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

#### **Data Element Comment**

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

уууу	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		
Т	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)		

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

eTimes.16

# eTimes.16 - EMS Call Completed Date/Time

#### Definition

The date/time the responding unit completed all tasks associated with the event including transfer of the patient, and such things as cleaning and restocking.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### 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** 

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

#### **Data Element Comment**

For many EMS agencies, this would equal Unit Back in Service Date/Time (eTimes.13) if no travel is required to be back in service.

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(required) represents the timezone (as described below)

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

eTimes.17

# eTimes.17 - Unit Arrived at Staging Area Date/Time

#### Definition

The date/time the responding unit arrived at a staging area, prior to arrival on scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Associated Performance Measure Initiatives

Response Trauma

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### **Pattern**

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

#### **Data Element Comment**

For use when the EMS Units and personnel are not allowed access to the scene until it is cleared for reasons such as safety (e.g., shooting, hazmat, tornado, fire, etc.).

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(required) represents the timezone (as described below)

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

# **ePatient**



#### **ePatient**

# ePatient.01 - EMS Patient ID

# Definition

The unique ID for the patient within the Agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring2100

# Data Element Comment

This has been inserted to allow each patient to be tracked across multiple PCRs within an EMS Agency.

ePatient.02

State

# ePatient.02 - Last Name

#### Definition

The patient's last (family) name.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

NOT Values (NV)

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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Constraints

Data TypeminLengthmaxLengthstring160

#### **Data Element Comment**

Pertinent negatives accepted with option of "Unable to Complete" or "Refused".

Rule ID	Level	Message
nemSch_e00	01 Error	When Last 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_e00	02 <mark>Error</mark>	When Last Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	When Last Name has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

ePatient.03

State

# ePatient.03 - First Name

#### Definition

The patient's first (given) name.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

NOT Values (NV)

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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Constraints

Data TypeminLengthmaxLengthstring150

#### **Data Element Comment**

Pertinent negatives accepted with option of "Unable to Complete" or "Refused".

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	When First 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_e00	)2 Error	When First Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	)8 Error	When First Name has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# ePatient.04 - Middle Initial/Name

# Definition

The patient's middle name, if any.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E06_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	1	50

# Data Element Comment

# ePatient.23 - Name Suffix

# Definition

The patient's name component following family name that may be used to describe a person's position in a family.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

**Data Element Comment** 

ePatient.05

State

#### ePatient.05 - Patient's Home Address

#### Definition

#### Patient's address of residence.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	No
Version 2 Element	E06_04	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

#### Attributes

Pertinent Negatives (PN) 8801023 - Unable to Complete

StreetAddress2

Data Type: string minLength: 1 maxLength: 255

Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

This is a CMS standard. According to the Medicare Claims Processing Manual, Chapter 15 - Ambulance, Ambulance suppliers bill using CMS-1500 form or CMS-1450 form for institution-based ambulance providers. This standard adheres to CMS-1500 and 1450.

This element allows for a two line documentation of the address. For out of country addresses the second line should be used to document, city, country, postal code and any other pertinent information.

Rule ID	Level	Message
nemSch_e00	1 Error	When Patient's Home Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	8 <mark>Error</mark>	When Patient's Home Address has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

#### ePatient.06 - Patient's Home City

#### Definition

The patient's primary city or township of residence.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	No
Version 2 Element	E06_05	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

#### Attributes

Pertinent Negatives (PN) 8801023 - Unable to Complete

#### Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Patient's Home City is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	8 Error	When Patient's Home City 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

#### 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

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	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).
nemSch_e00	2 Error	When Patient's Home County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e05	7 Warning	Patient's Home County should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e05	8 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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Patient's Home State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e058	Warning	Patient's Home County should belong within the Patient's Home State.
nemSch_e059	Warning	Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

State

National

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

#### Definition

The patient's ZIP code of residence.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Constraints

#### **Pattern**

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

#### Data Element Comment

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

Rule ID Le	evel	Message
nemSch_e001 Er	rror	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).
nemSch_e002 Er	rror	When Patient's Home ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e060 W	/arning	Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

State

# ePatient.10 - Patient's Country of Residence

# Definition

The country of residence of the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E06_09	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type length string 2

# **Data Element Comment**

Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: http://www.iso.org/iso/country\_codes/iso\_3166\_code\_lists.htm

#### ePatient.11 - Patient Home Census Tract

#### Definition

The census tract in which the patient lives.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Allway Calulac Artest i ediatile Response Strivii Stroke Hadina	Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma
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#### 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-files/2010/geo/relationship-files.html

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ePatient.12 NEMSIS Version 3.5.1.240701CR1

# ePatient.12 - Social Security Number

# Definition

# The patient's social security number.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E06_10	Is Nillable	Yes
Usage	Optional	Recurrence	0 : 1

# Attributes

Pertinent Negatives (PN) 8801023 - Unable to Complete

# Constraints

#### **Pattern**

[0-9]{9}

# Data Element Comment

Rule ID	Level	Message
nemSch_e001	Error	When Social Security 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).
nemSch_e008	Error	When Social Security Number has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting)

ePatient.13 NEMSIS Version 3.5.1.240701CR1

**National** 

# ePatient.13 - Gender

#### Definition

# The patient's gender.

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

# Associated Performance Measure Initiatives

Airwav	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
9906007	Female-to-Male, Transgender Male
9906009	Male-to-Female, Transgender Female
9906011	Other, neither exclusively male or female
9906005	Unknown (Unable to Determine)

#### Data Element Comment

Code list referenced from: https://www.healthit.gov/isa/sex-birth-sexual-orientation-and-gender-identity

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Gender has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e061	Warning	Gender should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

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)	Yes
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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801021 - Unresponsive 8801023 - Unable to Complete

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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
2514013	Middle Eastern or North African

#### **Data Element Comment**

OMB requirements are provided at: <a href="https://www.federalregister.gov/d/2024-06469">https://www.federalregister.gov/d/2024-06469</a>. 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.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Race has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	<b>Warning</b>	When Race has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Race has a Pertinent Negative, no other value should be recorded.
nemSch_e062	Warning	Race should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

State

National

# ePatient.15 - Age

#### Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
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

Pertinent Negatives (PN) 8801029 - Approximate

#### Constraints

Data Type minInclusive maxInclusive

integer 1 120

#### Data Element Comment

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Age has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e004	1 Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Age, Date/Time of Cardiac Arrest has a Pertinent Negative of "Approximate", it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e008	B Error	When Age has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e063	3 Warning	Age should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e065	5 Warning	Age Units should be recorded when Age is recorded.

ePatient.16 NEMSIS Version 3.5.1.240701CR1

**National** 

# ePatient.16 - Age Units

#### Definition

The unit used to define the patient's age.

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### **Data Element Comment**

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 <mark>Error</mark>	When Age Units has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e06	34 Warning	Age Units should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e06	55 Warning	Age Units should be recorded when Age is recorded.

ePatient.17

State

# ePatient.17 - Date of Birth

#### Definition

The patient's date of birth.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_16	Is Nillable	Yes
Usage Recommended		Recurrence	0:1

#### Attributes

NOT Values (NV)

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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Constraints

Data TypeminInclusivemaxInclusivedate1890-01-012050-01-01

#### **Data Element Comment**

Rule ID	Level	Message
nemSch_e001	Error	When Date of Birth is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Date of Birth has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B Error	When Date of Birth has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

#### ePatient.18 - Patient's Phone Number

#### Definition

#### The patient's phone number.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E06_17	Is Nillable	Yes
Usage	Optional	Recurrence	0 : M

#### Attributes

#### **Pertinent Negatives (PN)**

8801023 - Unable to Complete

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

**PhoneNumberType** 

9913001 - Fax 9913003 - Home 9913005 - Mobile

9913007 - Pager 9913009 - Work

#### Constraints

#### **Pattern**

 $([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])( + ([0-9]?)\{6,14\}[0-9])$ 

#### **Data Element Comment**

This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Patient's Phone 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).
nemSch_e008	8 Error	When Patient's Phone Number has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e010	0 Warning	When Patient's Phone Number has a Pertinent Negative, no other value should be recorded.

# ePatient.19 - Patient's Email Address

#### Definition

#### The email address of the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

EmailAddressType 9904001 - Personal

9904001 - Personal 9904003 - Work

Constraints

Data Type minLength maxLength

string 3 100

Pattern .+@.+

#### **Data Element Comment**

Added to improve follow-up and billing communication.

# ePatient.20 - State Issuing Driver's License

# Definition

The state that issued the drivers license.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E06_18	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

**Pattern** [0-9]{2}

# Data Element Comment

Stored as the ANSI State Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# ePatient.21 - Driver's License Number

# Definition

The patient's drivers license number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E06_19	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	30

Data	Flame	nt Cor	mment

# ePatient.22 - Alternate Home Residence

#### Definition

Documentation of the type of patient without a home ZIP/Postal Code.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

CodeDescription2522001Homeless2522003Migrant Worker2522005Foreign Visitor

#### **Data Element Comment**

# Associated Validation Rules

Rule ID	Level	Message
nemSch_e00	1 Error	When Alternate Home Residence is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	2 Error	When Alternate Home Residence has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

ePatient.24

Description

Amharic

# ePatient.24 - Patient Preferred Language

# Definition

# The patient's preferred language if any.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

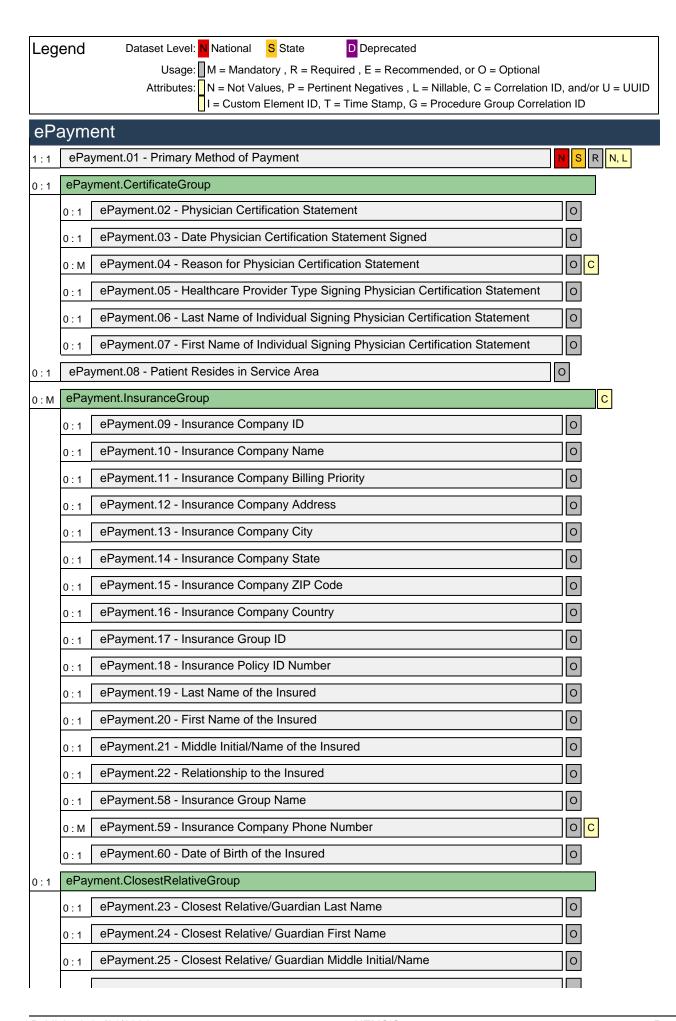
Code

amh

amn	Amnanc
ara	Arabic
arm	Armenian
ben	Bengali
crp	Cajun (Creole and Pidgins)
chi	Chinese
hrv	Croatian
cze	Czech
dan	Danish
dut	Dutch
eng	English
fin	Finnish
tai	Formosan
fre	French
	French Creole
cpf	German
ger	
gre	Greek
guj	Gujarati
heb	Hebrew
hin	Hindi (Urdu)
hun	Hungarian
ilo	llocano
itl	Italian
jpn	Japanese
kor	Korean
kro	Kru
lit	Lithuanian
mal	Malayalam
hmn	Miao (Hmong)
mkh	Mon-Khmer (Cambodian)
nav	Navaho
nno	Norwegian
pan	Panjabi
gem	Pennsylvania Dutch (Germanic Other)
per	Persian
pol	Polish
por	Portuguese
rum	Romanian
rus	Russian
sgn	Sign Languages
smo	Samoan
srp	Serbo-Croatian
slo	Slovak
spa	Spanish
swe	Swedish
syr	Syriac
tgl	Tagalog
3	U U

tha Thai (Laotian)
tur Turkish
ukr Ukrainian
vie Vietnamese
yid Yiddish

# ePayment



 	ePayment.26 - Closest Relative/ Guardian Street Address	لما
	0 : 1 ePayment.27 - Closest Relative/ Guardian City	0
	0 : 1 ePayment.28 - Closest Relative/ Guardian State	0
	0 : 1 ePayment.29 - Closest Relative/ Guardian ZIP Code	0
	0 : 1 ePayment.30 - Closest Relative/ Guardian Country	0
	0 : M ePayment.31 - Closest Relative/ Guardian Phone Number	o <mark>c</mark>
	0 : 1 ePayment.32 - Closest Relative/ Guardian Relationship	0
0:1	ePayment.EmployerGroup	
	0 : 1 ePayment.33 - Patient's Employer	0
	0 : 1 ePayment.34 - Patient's Employer's Address	0
	0 : 1 ePayment.35 - Patient's Employer's City	0
	0 : 1 ePayment.36 - Patient's Employer's State	0
	0 : 1 ePayment.37 - Patient's Employer's ZIP Code	0
	0 : 1 ePayment.38 - Patient's Employer's Country	0
	0 : 1 ePayment.39 - Patient's Employer's Primary Phone Number	0
0:1	ePayment.40 - Response Urgency	0
0 : M	ePayment.41 - Patient Transport Assessment	O C
0 : M	ePayment.42 - Specialty Care Transport Care Provider	O C
0 : M	ePayment.44 - Ambulance Transport Reason Code	O C
0:1	ePayment.45 - Round Trip Purpose Description	0
0:1	ePayment.46 - Stretcher Purpose Description	0
0 : M	ePayment.47 - Ambulance Conditions Indicator	O C
0 : 1	ePayment.48 - Mileage to Closest Hospital Facility	0
0 : 1	ePayment.49 - ALS Assessment Performed and Warranted	0
1:1	ePayment.50 - CMS Service Level	N S R N, L
0 : M	ePayment.51 - EMS Condition Code	o <mark>c</mark>
0 : M	ePayment.52 - CMS Transportation Indicator	o <mark>c</mark>
0 : 1	ePayment.53 - Transport Authorization Code	0
0:1	ePayment.54 - Prior Authorization Code Payer	0
0 : M	ePayment.SupplyItemGroup	C
	0 : 1 ePayment.55 - Supply Item Used Name	0
	0 : 1 ePayment.56 - Number of Supply Item(s) Used	0
0:1	ePayment.57 - Payer Type	0
ePa	ayment	

State

**National** 

# ePayment.01 - Primary Method of Payment

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Primary Method of Payment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### ePayment.02 - Physician Certification Statement

#### Definition

Indication of whether a physician certification statement (PCS) is available documenting the medical necessity or the EMS encounter.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_02	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

 Code
 Description

 9922001
 No

 9922003
 Unknown

 9922005
 Yes

#### **Data Element Comment**

Data Element Name changed from Certificate of Medical Necessity to Physician Certification Statement. The PCS statement and documentation of medical necessity is a requirement of the Centers for Medicare & Medicaid Services. The circumstances are defined in 42 CFR 410.40 (d)(2) and (d)(3). http://www.cms.gov/

A PCS is required for the following non-emergency transport:

- 1) Non-Emergency Repetitive Scheduled
- 2) Non Emergency Non-Repetitive-Scheduled
- 3) Non Emergency Services Non Scheduled Under direct care of a physician

#### ePayment.03 - Date Physician Certification Statement Signed

#### Definition

The date the Physician Certification Statement was signed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

#### **Data Element Comment**

Added to assist in billing documentation. Associated with ePayment.02: Physician Certification Statement.

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

# ePayment.04 - Reason for Physician Certification Statement

# Definition

The reason for EMS transport noted on the Physician Certification Statement.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
2604001	Bed Confined
2604003	Cardiac/Hemodynamic monitoring required during transport
2604005	Confused, combative, lethargic, comatose
2604007	Contractures
2604009	Danger to self or others-monitoring
2604011	Danger to self or others-seclusion (flight risk)
2604013	DVT requires elevation of lower extremity
2604015	IV medications/fluids required during transport
2604017	Moderate to severe pain on movement
2604019	Morbid Obesity requires additional personnel/equipment to handle
2604021	Non-healing fractures
2604023	Orthopedic device (backboard, halo, use of pins in traction, etc.) requiring special handling in transit
2604025	Restraints (Physical or Chemical) anticipated or used during transport
2604027	Risk of falling off wheelchair or stretcher while in motion (not related to obesity)
2604029	Severe Muscular weakness and de-conditioned state precludes any significant physical activity
2604031	Special handling en route-Isolation
2604033	Third Party assistance/attendant required to apply, administer, or regulate or adjust oxygen en route
2604035	Unable to maintain erect sitting position in a chair for time needed to transport, due to moderate muscular
	weakness and de-conditioning.
2604037	Unable to sit in chair or wheelchair due to Grade II or greater decubitus ulcers on buttocks.

# Data Element Comment

# ePayment.05 - Healthcare Provider Type Signing Physician Certification Statement

# Definition

The type of healthcare provider who signed the Physician Certification Statement.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
2605001	Clinical Nurse Specialist
2605003	Discharge Planner
2605005	Physician (MD or DO)
2605007	Physician Assistant
2605009	Registered Nurse
2605011	Registered Nurse Practitioner
2605013	Licensed Practical Nurse (LPN)
2605015	Case Manager
2605017	Social Worker

# Data Element Comment

CMS defines the individual signing the PCS as a person who has personal knowledge of the beneficiary's condition at the time the ambulance transport is ordered or the service is furnished.

# ePayment.06 - Last Name of Individual Signing Physician Certification Statement

# Definition

The last name of the healthcare provider who signed the Physician Certification Statement.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	1	60

# Data Element Comment

# ePayment.07 - First Name of Individual Signing Physician Certification Statement

# Definition

The first name of the healthcare provider who signed the Physician Certification Statement.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring150

# Data Element Comment

# ePayment.08 - Patient Resides in Service Area

# Definition

An indication of whether the patient's current residence is within the EMS agency service area.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code Description

2608001 Resident Within EMS Service Area 2608003 Not a Resident Within EMS Service Area

#### **Data Element Comment**

# ePayment.09 - Insurance Company ID

#### Definition

The ID Number of the patient's insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	minLength	maxLength
string	2	60

#### Data Element Comment

This element should be used as the Health Plan ID (HPID) field in X12. It is currently under development for X12 and will be a future release. To align with USCDI consider using the Issuer Identification Number (IIN) or Processor Control Number (PCN).

# ePayment.10 - Insurance Company Name

# Definition

The name of the patient's insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	2	60

# ePayment.11 - Insurance Company Billing Priority

# Definition

The billing priority or order for the insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
2611001	Other
2611003	Primary
2611005	Secondary
2611007	Tertiary
2611009	Payer Responsibility Four
2611011	Payer Responsibility Five
2611013	Payer Responsibility Six
2611015	Payer Responsibility Seven
2611017	Payer Responsibility Eight
2611019	Payer Responsibility Nine
2611021	Payer Responsibility Ten
2611023	Payer Responsibility Eleven
2611025	Unknown

# ePayment.12 - Insurance Company Address

# Definition

The mailing address of the Insurance Company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

Attributes

StreetAddress2

Data Type: string minLength: 1 maxLength: 255

Constraints

Data Type minLength maxLength

string 1 255

# ePayment.13 - Insurance Company City

#### Definition

The insurance company's city or township used for mailing purposes.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	30

#### Data Element Comment

The city elements within the ePayment section have been updated to allow free text. This is important for mailing address purposes to submit claims and identify the correct payer.

# ePayment.14 - Insurance Company State

# Definition

The insurance company's state, territory, or province, or District of Columbia.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_07	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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

# ePayment.15 - Insurance Company ZIP Code

#### Definition

#### The insurance company's ZIP Code.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_08	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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

# ePayment.16 - Insurance Company Country

# Definition

The insurance company's country.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type length string 2

# Data Element Comment

Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

# Version 3 Changes Implemented

Added to better document international addresses.

# ePayment.17 - Insurance Group ID

# Definition

The ID number of the patient's insurance group.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_09	Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data Type	minLength	maxLength
string	2	30

# ePayment.18 - Insurance Policy ID Number

# Definition

The ID number of the patient's insurance policy.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	2	30

# ePayment.19 - Last Name of the Insured

# Definition

The last (family) name of the person insured by the insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_11	Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data Type	minLength	maxLength
string	1	60

# ePayment.20 - First Name of the Insured

# Definition

The first (given) name of the person insured by the insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_12	Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data Type	minLength	maxLength
string	1	50

# ePayment.21 - Middle Initial/Name of the Insured

# Definition

The middle name, if any, of the person insured by the insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_13	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

# ePayment.22 - Relationship to the Insured

# Definition

The relationship of the patient to the primary insured person.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_14	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescription2622001Self2622003Spouse2622005Child/Dependent2622009Cadaver Donor2622011Employee2622013Life/Domestic Partner2622015Organ Donor2622017Unknown2622019Other Relationship

#### **Data Element Comment**

Descriptors are consistent with X12 Loop 2000C PAT01, Specifies the patient's relationship to the person insured.

# ePayment.58 - Insurance Group Name

# Definition

The name of the patient's insurance group.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	30

ePayment.59 NEMSIS Version 3.5.1.240701CR1

# ePayment.59 - Insurance Company Phone Number

#### Definition

The phone number for the patient's insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

PhoneNumberType

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

9913009 - Work

# Constraints

#### Pattern

# ePayment.60 - Date of Birth of the Insured

# Definition

The date of birth of the person insured by the insurance company.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data TypeminInclusivemaxInclusivedate1890-01-012050-01-01

# ePayment.23 - Closest Relative/Guardian Last Name

# Definition

The last (family) name of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_18	Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data Type	minLength	maxLength
string	1	60

Data	Flomont	Comment
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# ePayment.24 - Closest Relative/ Guardian First Name

# Definition

The first (given) name of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_19	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

Data Element Co	omment
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# ePayment.25 - Closest Relative/ Guardian Middle Initial/Name

# Definition

The middle name/initial, if any, of the closest patient's relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_20	Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data Type	minLength	maxLength
string	1	50

Data	Flament	Comment
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# ePayment.26 - Closest Relative/ Guardian Street Address

#### Definition

The street address of the residence of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_21	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

#### StreetAddress2

Data Type: string minLength: 1 maxLength: 255

#### Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

This element allows for a two line documentation of the address. For out of country addresses the second line should be used to document, city, country, postal code and any other pertinent information.

# ePayment.27 - Closest Relative/ Guardian City

#### Definition

The primary city or township of residence of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_22	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	30

#### Data Element Comment

The city elements within the ePayment section have been updated to allow free text. This is important for mailing address purposes to submit claims and identify the correct payer.

# ePayment.28 - Closest Relative/ Guardian State

# Definition

The state of residence of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_23	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

# Pattern

[0-9]{2}

# Data Element Comment

Based on ANSI State Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

#### ePayment.29 - Closest Relative/ Guardian ZIP Code

#### Definition

The ZIP Code of the residence of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_24	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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

# ePayment.30 - Closest Relative/ Guardian Country

# Definition

The country of residence of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type length string 2

# Data Element Comment

Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

# Version 3 Changes Implemented

Added to improve international compatibility.

ePayment.31 NEMSIS Version 3.5.1.240701CR1

# ePayment.31 - Closest Relative/ Guardian Phone Number

#### Definition

The phone number of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_25	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

PhoneNumberType

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

9913009 - Work

# Constraints

#### Pattern

# ePayment.32 - Closest Relative/ Guardian Relationship

# Definition

The relationship of the patient's closest relative or guardian.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_26	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
2632001	Appointed Guardian
2632003	Child/Dependent
2632005	Father
2632007	Mother
2632009	Other (Non-Relative)
2632011	Other (Relative)
2632013	Sibling
2632015	Spouse
2632017	Employee
2632019	Life/Domestic Partne
2632021	Unknown

# ePayment.33 - Patient's Employer

# Definition

The patient's employer's name.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_27	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	60

# ePayment.34 - Patient's Employer's Address

#### Definition

The street address of the patient's employer.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_28	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

#### StreetAddress2

Data Type: string minLength: 1 maxLength: 255

# Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

This element allows for a two line documentation of the address. For out of country addresses the second line should be used to document, city, country, postal code and any other pertinent information.

# ePayment.35 - Patient's Employer's City

# Definition

The city or township of the patient's employer used for mailing purposes.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_29	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	30

#### Data Element Comment

The city elements within the ePayment section have been updated to allow free text. This is important for mailing address purposes to submit claims and identify the correct payer.

# ePayment.36 - Patient's Employer's State

# Definition

The state of the patient's employer.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_30	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

**Pattern** [0-9]{2}

# Data Element Comment

Based on ANSI State Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# ePayment.37 - Patient's Employer's ZIP Code

#### Definition

# The ZIP Code of the patient's employer.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_31	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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

# ePayment.38 - Patient's Employer's Country

# Definition

The country of the patient's employer.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type length string 2

# Data Element Comment

Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

# Version 3 Changes Implemented

Added to improve international compatibility.

# ePayment.39 - Patient's Employer's Primary Phone Number

# Definition

# The employer's primary phone number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_32	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

#### PhoneNumberType

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

#### Constraints

#### **Pattern**

# ePayment.40 - Response Urgency

# Definition

The urgency in which the EMS agency began to mobilize resources for this EMS encounter.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_33	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescription2640001Immediate2640003Non-Immediate

#### **Data Element Comment**

This is for billing documentation.

# ePayment.41 - Patient Transport Assessment

#### Definition

Documentation of the patient's transport need based on mobility and/or physical capability.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
2641001	Unable to sit without assistance
2641003	Unable to stand without assistance
2641005	Unable to walk without assistance

#### **Data Element Comment**

Added to better justify the medical necessity of the transport. Based on CMS 42 CFR Ch IV (10-1-02 Edition) & 410.40 (d) medical necessity requirement (1)

## ePayment.42 - Specialty Care Transport Care Provider

#### Definition

Documentation to show the patient care provided to the patient met the Specialty Care Transport Base Rate requirements.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
2642001	Advanced EMT-Paramedic
2642003	Nurse
2642005	Nurse Practitioner
2642007	Physician (MD, DO)
2642009	Physician Assistant
2642011	Emergency Medical Responder (EMR)
2642013	Emergency Medical Technician (EMT)
2643014	Emergency Medical Technician - Intermediate
2642015	Advanced Emergency Medical Technician (AEMT)
2642017	Paramedic
2642027	Other Healthcare Professional
2642029	Other Non-Healthcare Professional
2642031	Respiratory Therapist
2642033	Student
2642035	Critical Care Paramedic
2642037	Community Paramedicine
2642039	Registered Nurse

#### **Data Element Comment**

Added to improve Specialty Care Transport billing justification. In accordance with CMS requirements Specialty Care Transport (SCT): ""Additional training" means the specific additional training that a State requires a paramedic to complete in order to qualify to furnish specialty care to a critically ill or injured patient during an SCT."

#### ePayment.44 - Ambulance Transport Reason Code

#### Definition

#### The CMS Ambulance Transport Reason Code for the transport.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
Α	Patient was transported to the nearest facility for care of symptoms, complaints, or both
В	Patient was transported for the benefit of a preferred physician
С	Patient was transported for the nearness of family members
D	Patient was transported for the care of a specialist or for availability of equipment
Е	Patient was transferred to a Rehabilitation Facility

#### **Data Element Comment**

Added to improve billing with electronic claims using the ASC X12 Standard. The Ambulance Transport Code values are those determined by US Dept of HHS for the "Code indicating the type of ambulance transport". The Accredited Standards Committee X12 organization maintains the standard. See the X12 website http://www.x12.org or United States Health Information Knowledgebase website for more information:

https://ushik.ahrg.gov/ViewItemDetails?svstem=sdo&itemKev=133080000

# ePayment.45 - Round Trip Purpose Description

#### Definition

Free text description providing the purpose of the round trip EMS transport based on CR109 field for CMS.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	minLength	maxLength
string	2	80

#### Data Element Comment

Added to improve billing documentation for CMS X12 based transactions.

Ambulance providers can use this field to provide additional information regarding the circumstances of a round trip transport or for other medical necessity documentation.

# Version 3 Changes Implemented

Added to improve billing with electronic claims using X12

# ePayment.46 - Stretcher Purpose Description

#### Definition

Free Text Documentation providing the reason for use of a stretcher in the EMS patient transport.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	minLength	maxLength
string	2	80

#### Data Element Comment

Added to improve billing using CMS X12 transactions based on CR110. Documentation of Stretcher Purpose Description (ePayment.46) is required when needed to justify use of a stretcher. (X12 - Loop 2300 CR110).

# ePayment.47 - Ambulance Conditions Indicator

# Definition

Documentation of the CRC03 through CRC07 requirements for CMS billing using X12 transactions.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
01	Patient was admitted to a hospital
04	Patient was moved by stretcher
05	Patient was unconscious or in shock
06	Patient was transported in an emergency situation
07	Patient had to be physically restrained
08	Patient had visible hemorrhaging
09	Ambulance service was medically necessary
12	Patient is confined to a bed or chair (Use code 12 to indicate patient was bedridden during transport.)

#### **Data Element Comment**

Added to improve billing documentation and justification.

# Version 3 Changes Implemented

Added to improve billing with electronic claims using X12. The Codes and Descriptors updated Sept 2013 to meet the X12 5010 standard.

# ePayment.48 - Mileage to Closest Hospital Facility

# Definition

The mileage to the closest hospital facility from the scene. Documented only if the patient was transported to a facility farther away than the closest hospital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	fractionDigits	minInclusive	maxInclusive
decimal	2	1	1000

#### **Data Element Comment**

Added to clarify billing mileage when the patient is not taken to the closest facility.

# Version 3 Changes Implemented

Added for improved billing documentation.

# ePayment.49 - ALS Assessment Performed and Warranted

# Definition

Documentation that the patient required an ALS assessment and it was performed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code Description

9923001 No 9923003 Yes

## **Data Element Comment**

Added to improve billing justification

# Version 3 Changes Implemented

Added to improve billing justification

State

**National** 

#### ePayment.50 - CMS Service Level

#### Definition

The CMS service level for this EMS encounter.

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

#### Associated Performance Measure Initiatives

Airway Pediatric STEMI Stroke Trauma

should be empty.

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description		
2650001			

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
nemSch_e001	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).
nemSch_e002	Error	When CMS Service Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

# ePayment.51 - EMS Condition Code

#### Definition

The condition code associated with the CMS EMS negotiated rule-making process.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_35	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Constraints

#### Pattern

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

#### **Data Element Comment**

Code list is represented in ICD-10-CM Codes:

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a> Product - UMLS Metathesaurus

# ePayment.52 - CMS Transportation Indicator

#### Definition

The CMS Ambulance Fee Schedule Transportation and Air Medical Transportation Indicators are used to better describe why it was necessary for the patient to be transported in a particular way or circumstance.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_37	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
C1	Interfacility Transport (Requires Higher level of care)
C2	Interfacility Transport (service not available)
C3	Emergency Trauma Dispatch Condition Code (Major Incident or Mechanism of Injury)
C4	Medically Necessary Transport (Facility on Divert or Services Unavailable)
C5	BLS Transport of ALS Patient (ALS not available)
C6	ALS Response (Based on Dispatch Info) to BLS Patient (Condition)
C7	IV Medications required en route (ALS)
D1	Long Distance-patient's condition requires rapid transportation over a long distance
D2	Rare Circumstances, Traffic Patterns Precludes Ground Transport
D3	Time to the closest appropriate hospital due to the patient's condition precludes ground transport; maximize
	clinical benefits
D4	Pick up Point not Accessible by Ground Transport

#### **Data Element Comment**

Name changed from Condition Code Modifier to CMS Transportation Indicator

#### Version 3 Changes Implemented

Name changed from Condition Code Modifier to CMS Transportation Indicator

# ePayment.53 - Transport Authorization Code

# Definition

Prior authorization code provided by the insurance carrier/payer.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	50

# Data Element Comment

# Version 3 Changes Implemented

Added to improve billing documentation.

# ePayment.54 - Prior Authorization Code Payer

# Definition

The Payer who has provided the Prior Authorization Code.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring1255

# Data Element Comment

Added to document Prior Authorization Codes for an EMS Transport.

# Version 3 Changes Implemented

Added to improve billing documentation.

# ePayment.55 - Supply Item Used Name

# Definition

The name of the supply used on the patient by the EMS Crew during the EMS event.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	80

#### Data Element Comment

Added to track EMS supplies for billing. The list of supplies would be created by the EMS Agency. There is no master list of supply items defined.

# Version 3 Changes Implemented

Added to track EMS supplies for billing.

# ePayment.56 - Number of Supply Item(s) Used

# Definition

The number of the specific supply item used on the patient by the EMS Crew during the EMS event.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1100,000,000

# **Data Element Comment**

Associated with ePayment.55 (Supply Item Used Name). Used to better track supply items for billing.

# Version 3 Changes Implemented

Added to track EMS supplies for billing.

ePayment.57

# ePayment.57 - Payer Type

# Definition

# Payer type according to X12 standard.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

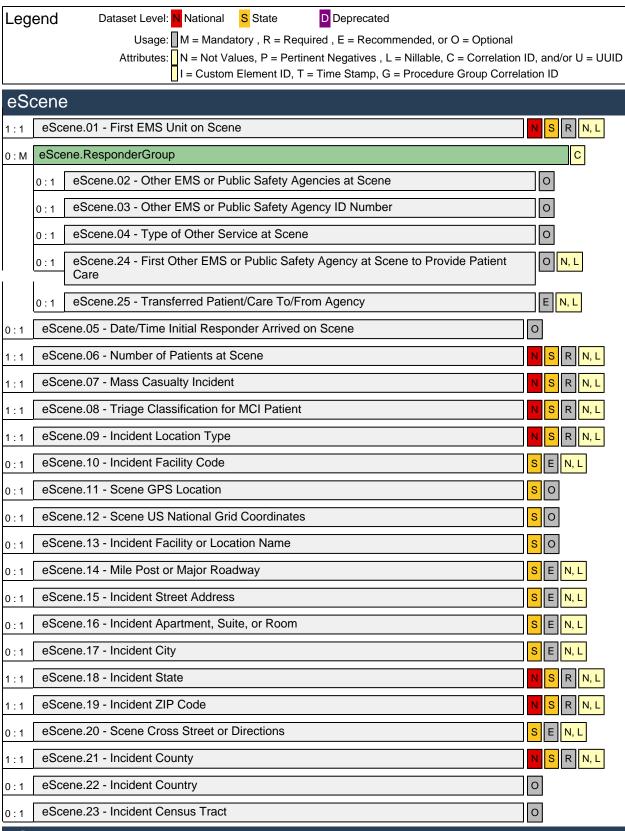
#### Code List

Code	Description
11	Other Non-Federal Programs
12	Preferred Provider Organization (PPO)
13	Point of Service (POS)
14	Exclusive Provider Organization (EPO)
15	Indemnity Insurance
16	Health Maintenance Organization (HMO) Medicare Risk
17	Dental Maintenance Organization
AM	Automobile Medical
BL	Blue Cross/Blue Shield
CH	Champus
CI	Commercial Insurance Co.
DS	Disability
FI	Federal Employees Program
HM	Health Maintenance Organization
LM	Liability Medical
MA	Medicare Part A
MB	Medicare Part B
MC	Medicaid
OF	Other Federal Program
TV	Title V
VA	Veteran Affairs Plan
WC	Workers' Compensation Health Claim
ZZ	Mutually Defined

#### **Data Element Comment**

This element should only be used if Insurance, Medicare, Medicaid, Workers Compensation, or Other Government are selected in ePayment.01 - Primary Method of Payment.

# eScene



NEMSIS Version 3.5.1.240701CR1 eScene.01

State

**National** 

# eScene.01 - First EMS Unit on Scene

#### Definition

Documentation that this EMS Unit was the first EMS Unit among all EMS Agencies 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
nemSch_e001 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).
nemSch_e002 Error	When First EMS Unit on Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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# eScene.02 - Other EMS or Public Safety Agencies at Scene

#### Definition

The name(s) of other EMS or Public Safety Agencies at the scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E08_01	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	minLength	maxLength
string	2	100

#### Data Element Comment

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eScene.02 and eScene.03 are used to populate CARES data element #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary: <a href="https://mycares.net/sitepages/uploads/DataDictionary">https://mycares.net/sitepages/uploads/DataDictionary</a>.

## eScene.03 - Other EMS or Public Safety Agency ID Number

#### Definition

The ID number for the EMS Agency or Other Public Safety listed in eScene.02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type	minLength	maxLength
string	1	25

#### Data Element Comment

The ID should be the state ID (license number) for the EMS agency or ID number for the law enforcement. This may be an ID assigned by the state or created by the EMS agency.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eScene.02 and eScene.03 are used to populate CARES data element #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary: <a href="https://mycares.net/sitepages/uploads/DataDictionary">https://mycares.net/sitepages/uploads/DataDictionary</a>.

# eScene.04 - Type of Other Service at Scene

## Definition

The type of public safety or EMS service associated with Other Agencies on Scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E08_02	Is Nillable	No
Usage	Optional	Recurrence	0:1

## Code List

Code	Description
2704001	EMS Mutual Aid
2704003	Fire
2704005	First Responder
2704007	Hazmat
2704009	Law Enforcement
2704011	Other
2704013	Other EMS Agency
2704015	Other Health Care Provider
2704017	Rescue
2704019	Utilities

## Data Element Comment

Associated with each Other Service in eScene.02

## eScene.24 - First Other EMS or Public Safety Agency at Scene to Provide Patient Care

#### Definition

When there are multiple other EMS Agencies or Public Safety Agencies at the scene, this element documents the other EMS or public safety agency that was first to provide care to the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code Description

9923001 No 9923003 Yes

#### **Data Element Comment**

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eScene.24 is used to populate CARES data element #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary: <a href="https://mycares.net/sitepages/uploads/DataDictionary">https://mycares.net/sitepages/uploads/DataDictionary</a>.

#### Associated Validation Rules

Rule ID	Level	Message
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nemSch\_e001 Error When First Other EMS or Public Safety Agency at Scene to Provide 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).

nemSch\_e002 Error When First Other EMS or Public Safety Agency at Scene to Provide Patient Care has a Not

Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

## eScene.25 - Transferred Patient/Care To/From Agency

#### Definition

This element documents the transfer of a patient for care/transport in the field to or from the EMS agency listed in eScene.02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

## NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code Description

2725001 Transferred Patient to Agency2725003 Received Patient from Agency

2725005 No Transfer of Patient/Care To/From Agency

#### **Data Element Comment**

Rule ID	Level	Message
nemSch_e001	Error	When Transferred Patient/Care To/From Agency is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Transferred Patient/Care To/From Agency has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

## eScene.05 - Date/Time Initial Responder Arrived on Scene

#### Definition

The time that the initial responder arrived on the scene, if applicable.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E08_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI Trauma

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

 $[0-9]\{4\}-[0-9]\{2\}-[0-9][2]-[0-9]-[0-9][2]-[0-9][2]-[0-9]-$ 

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
SS	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
ZZZZZZ	(required) represents the timezone (as described below)

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

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

State

National

## 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

CodeDescription2707001Multiple2707003None2707005Single

## Data Element Comment

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Number of Patients at Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e067 Warning	Number of Patients at Scene should be "Multiple" or "Single" when Unit Disposition is "Patient Contact Made".
nemSch_e068 Warning	Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes".

eScene.07 NEMSIS Version 3.5.1.240701CR1

**National** 

## eScene.07 - Mass Casualty Incident

#### Definition

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

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

## Associated Performance Measure Initiatives

Trauma

## Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Description Code

9923001 No 9923003 Yes

## **Data Element Comment**

Rule ID	Level	Message
nemSch_e00′	1 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).
nemSch_e002	2 <mark>Error</mark>	When Mass Casualty Incident has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e068	8 <mark>Warning</mark>	Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes".
nemSch_e069	9 <mark>Warning</mark>	Triage Classification for MCI Patient should be recorded when Mass Casualty Incident is "Yes".

State

**National** 

## eScene.08 - Triage Classification for MCI Patient

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### **Data Element Comment**

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

Examples of triage systems include START and SALT.

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

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

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Triage Classification for MCI Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e069 Warning	Triage Classification for MCI Patient should be recorded when Mass Casualty Incident is "Yes".

State

National

## eScene.09 - Incident Location Type

#### Definition

The kind of location where the incident happened.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Constraints

#### **Pattern**

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

#### **Data Element Comment**

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

ICD-10-CM

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	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).
nemSch_e002	2 Error	When Incident Location Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e070	) Warning	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".

State

## eScene.10 - Incident Facility Code

## Definition

The state, regulatory, or other unique number (code) associated with the facility if the Incident is a Healthcare Facility.

National Element	No Pertinent Negatives (PN)		No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Attributes

## NOT Values (NV)

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

## Constraints

Data Type	minLength	maxLength	
string	2	50	

#### **Data Element Comment**

This may be populated from a list created within dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier).

Rule ID Lev	Message	
nemSch_e001 Erro	When Incident Facility Code is empty, it should have a Not Value (Not Applicable, Nor Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the or it should be omitted (if the element is optional).	
nemSch_e002 Erro	When Incident Facility Code has a Not Value (Not Applicable, Not Recorded, or Not it should be empty.	Reporting),

State

## eScene.11 - Scene GPS Location

#### Definition

The GPS coordinates associated with the Scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E08_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

Associated	Performance	Maggura	Initiativae
Associated	Performance	Measure	milialives

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

## Constraints

#### **Pattern**

 $(+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?), (+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9])(\.[0-9]{1,6})?)$ 

## Data Element Comment

The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

State

## eScene.12 - Scene US National Grid Coordinates

## Definition

The US National Grid Coordinates for the Scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

#### Pattern

 $([1-9][[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]\{10\}$ 

## Data Element Comment

Standard found at www.fgdc.gov/usng

State

# eScene.13 - Incident Facility or Location Name

## Definition

The name of the facility, business, building, etc. associated with the scene of the EMS event.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type	minLength	maxLength
string	2	100

## Data Element Comment

This element may be populated from a list created within dFacility.02 (Facility Name).

State

## eScene.14 - Mile Post or Major Roadway

#### Definition

The mile post or major roadway associated with the incident locations.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

**NOT Values (NV)** 

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

Constraints

Data Type maxLength minLength

string 35

## **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error When Mile Post or Major Roadway is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, 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\_e002 Error When Mile Post or Major Roadway has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

State

#### eScene.15 - Incident Street Address

#### Definition

The street address where the patient was found, or, if no patient, the address to which the unit responded.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Attributes

NOT Values (NV)

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

StreetAddress2

Data Type: string minLength: 1 maxLength: 255

#### Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error When Incident Street Address is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, 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\_e002 Error When Incident Street Address has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

State

## eScene.16 - Incident Apartment, Suite, or Room

#### Definition

The number of the specific apartment, suite, or room where the incident occurred.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Attributes

**NOT Values (NV)** 

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

Constraints

Data TypeminLengthmaxLengthstring115

**Data Element Comment** 

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error When Incident Apartment, Suite, or Room is empty, it should have a Not Value (Not Applicable,

Not Recorded, or Not Reporting, 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\_e002 Error When Incident Apartment, Suite, or Room has a Not Value (Not Applicable, Not Recorded, or

Not Reporting), it should be empty.

State

## eScene.17 - Incident City

#### Definition

The city or township (if applicable) where the patient was found or to which the unit responded (or best approximation).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_12	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

## Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID Level	Message
nemSch_e001 Error	When Incident City is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Incident City 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

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

Rule ID Leve	Message	
nemSch_e001 Error	Reporting, if	nt State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not allowed for the element) or a Pertinent Negative (if allowed for the element), or it nitted (if the element is optional).
nemSch_e002 Error	When Incide be empty.	nt State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should
nemSch_e071 Warr	g Incident Stat	e should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e074 Warr	g Incident Cou	nty should belong within the Incident State.

State

National

## eScene.19 - Incident ZIP Code

#### Definition

The ZIP code of the incident location.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

#### **Pattern**

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

#### **Data Element Comment**

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

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Incident ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e07	2 <mark>Warning</mark>	Incident ZIP Code should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".

State

## eScene.20 - Scene Cross Street or Directions

#### Definition

The nearest cross street to the incident address or directions from a recognized landmark or the second street name of an intersection.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Attributes

NOT Values (NV)

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

## Constraints

Data TypeminLengthmaxLengthstring2255

## Data Element Comment

## Version 3 Changes Implemented

Added to better locate/document the scene (incident) location.

Rule ID	Level	Message
nemSch_e001	1 Error	When Scene Cross Street or Directions is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Scene Cross Street or Directions has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

National

## eScene.21 - Incident County

#### Definition

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

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

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Constraints

## Pattern

[0-9]{5}

## **Data Element Comment**

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	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).
nemSch_e002	2 Error	When Incident County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e073	3 Warning	Incident County should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e074	4 Warning	Incident County should belong within the Incident State.

## eScene.22 - Incident Country

## Definition

The country of the incident location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type length string 2

## Data Element Comment

Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

## Version 3 Changes Implemented

Added for international compatibility.

## eScene.23 - Incident Census Tract

#### Definition

The census tract in which the incident occurred.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

#### 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)

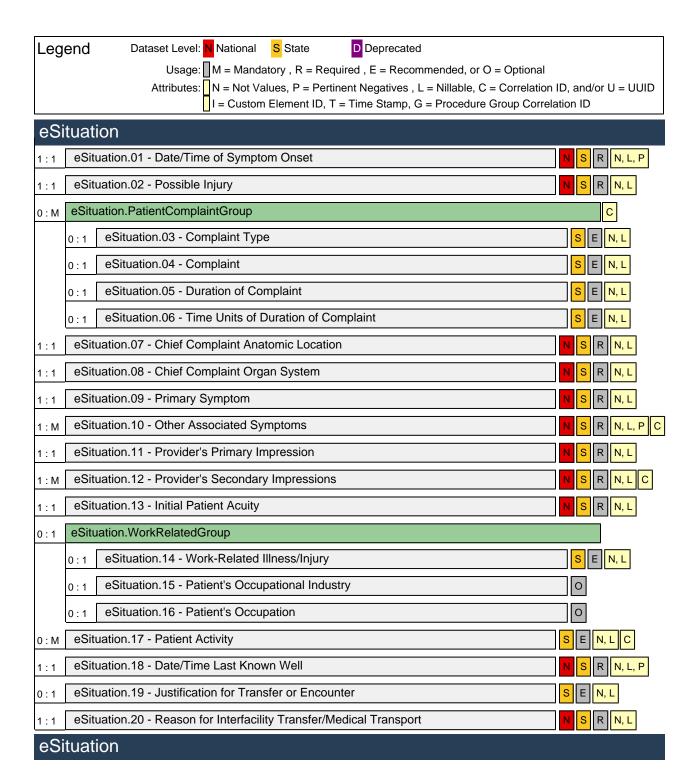
Example: NEMSIS TAC office (UT, Salt Lake County, Census Tract - located at 295 Chipeta Way, Salt Lake City, UT) 49035101400

Census Tract Data Website (files and descriptions):

https://www.census.gov/geographies/reference-files/2010/geo/relationship-files.html

#### Version 3 Changes Implemented

Added to improve the ability to use census and other demographic information within EMS research.



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)	Yes
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

Pertinent Negatives (PN)

8801023 - Unable to Complete 8801029 - Approximate

#### 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+)? (zzzzzzz)

уууу	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
Т	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.

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e002	2 Error	When Date/Time of Symptom Onset has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e003	3 Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Date/Time of Cardiac Arrest has a Pertinent Negative of "Unable to Complete", it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e004	4 Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Age, Date/Time of Cardiac Arrest has a Pertinent Negative of "Approximate", it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e04	3 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.
nemSch_e053	3 Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Symptom Onset.
nemSch_e07	5 Warning	Date/Time of Symptom Onset should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".

State

**National** 

## eSituation.02 - Possible Injury

#### Definition

Indication whether or not there was an injury.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

## NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code Description

9922001 No

9922003 Unknown

9922005 Yes

#### **Data Element Comment**

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

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e002	2 Error	When Possible Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e076	6 <mark>Warning</mark>	Possible Injury should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e07	7 <mark>Warning</mark>	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e089	9 <mark>Warning</mark>	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e090	0 <mark>Warning</mark>	Cause of Injury should only be recorded when Possible Injury is "Yes".
nemSch_e09	1 Warning	Trauma Triage Criteria (High Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".
nemSch_e092	2 <mark>Warning</mark>	Trauma Triage Criteria (Moderate Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".

## eSituation.03 - Complaint Type

#### Definition

The type of patient healthcare complaint being documented.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

## NOT Values (NV)

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

#### Code List

Code Description 2803001 Chief (Primary) 2803003 Other 2803005 Secondary

#### **Data Element Comment**

This was added to group complaints in a more efficient manner

#### Version 3 Changes Implemented

Added to improve data integrity.

## Associated Validation Rules

Rule ID	Level	Message	
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nemSch\_e001 Error When Complaint 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).

nemSch\_e002 Error When Complaint Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

State

## eSituation.04 - Complaint

#### Definition

The statement of the problem by the patient or the history provider.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_05	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

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

## Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

## Associated Validation Rules

Rule ID Level Wessag	Rule ID	Level	Message
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nemSch\_e001 Error When Complaint is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not

Reporting, 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\_e002 Error When Complaint has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be

empty.

State

## eSituation.05 - Duration of Complaint

#### Definition

The duration of the complaint.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

**NOT Values (NV)** 

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

## Constraints

Data TypeminInclusivemaxInclusiveinteger1365

#### **Data Element Comment**

Associated with eSituation.06 (Time Units of Duration of the Complaint).

#### Associated Validation Rules

Rule ID	Level	Message
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nemSch\_e001 Error When Duration of Complaint is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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\_e002 Error When Duration of Complaint has a Not Value (Not Applicable, Not Recorded, or Not Reporting),

it should be empty.

## eSituation.06 - Time Units of Duration of Complaint

#### Definition

The time units of the duration of the patient's complaint.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

## Code List

Code	Description
2806001	Seconds
2806003	Minutes
2806005	Hours
2806007	Days
2806009	Weeks
2806011	Months
2806013	Years

#### **Data Element Comment**

Associated with eSituation.05 (Duration of the Complaint).

Rule ID	Level	Message
nemSch_e00	1 Error	When Time Units of Duration of Complaint is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	2 Error	When Time Units of Duration of Complaint has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

**National** 

## eSituation.07 - Chief Complaint Anatomic Location

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### **Data Element Comment**

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

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Chief Complaint Anatomic Location has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

**National** 

## eSituation.08 - Chief Complaint Organ System

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airwav	Cardiac Arrest	Pediatric	STEMI	Stroke	Trauma

## Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code

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

**Description** 

#### **Data Element Comment**

2808021 Renal

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.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Chief Complaint Organ System has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

National

## eSituation.09 - Primary Symptom

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

## NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Constraints

#### **Pattern**

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

#### **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-resource-repository/

ICD-10-CM

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a> Product - UMLS Metathesaurus

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Primary Symptom has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e077 <mark>Warn</mark>	ng Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e080 <mark>Warn</mark>	Primary Symptom should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e081 Warn	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)	Yes
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

Pertinent Negatives (PN) 8801031 - Symptom Not Present

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Constraints

#### **Pattern**

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

#### **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-resource-repository/

ICD-10-CM

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a> Product - UMLS Metathesaurus

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Other Associated Symptoms has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e005	Error	When Other Associated Symptoms has a Pertinent Negative, it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Other Associated Symptoms has a Not Value, no other value should be recorded.
nemSch_e077	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e081	Warning	Other Associated Symptoms should only be recorded when Primary Symptom is recorded.

State

National

# eSituation.11 - Provider's Primary Impression

## Definition

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

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

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

## Constraints

#### **Pattern**

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

## **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-resource-repository/

ICD-10-CM

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Provider's Primary Impression has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e077	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e082	<sup>2</sup> Warning	Provider's Primary Impression should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e083	3 Warning	Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded.

State

National

# eSituation.12 - Provider's Secondary Impressions

#### Definition

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

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

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Constraints

#### Pattern

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

#### **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-resource-repository/

ICD-10-CM

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a> Product - UMLS Metathesaurus

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Provider's Secondary Impressions has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	<b>Warning</b>	When Provider's Secondary Impressions has a Not Value, no other value should be recorded.
nemSch_e077	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e083	Warning	Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded.

State

**National** 

# eSituation.13 - Initial Patient Acuity

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code	Description
2813001	Critical (Red)
2813003	Emergent (Yellow)
2813005	Lower Acuity (Green)
2813007	Dead without Resuscitation Efforts (Black)
2813009	Non-Acute/Routine

#### **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

https://www.ems.gov/assets/National EMS Core Content.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.

"Non-Acute/Routine" added for use with patients with no clinical issues-such as refusal for a lift assist-or for routine transfers.

# Version 3 Changes Implemented

With the release of V3.5.0 additional values were added to meet the needs of EMS.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Initial Patient Acuity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e084	Warning	Initial Patient Acuity should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".

eSituation.14

State

# eSituation.14 - Work-Related Illness/Injury

# Definition

Indication of whether or not the illness or injury is work related.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E07_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

# NOT Values (NV)

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

# Code List

Code Description

9922001 No

9922003 Unknown

9922005 Yes

# **Data Element Comment**

Moved from Version 2.2.1 E07\_15 to allow more complete documentation of work related illness and injury.

Rule ID Le	evel	Message
nemSch_e001 Err		When Work-Related Illness/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).
nemSch_e002 Err		When Work-Related Illness/Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eSituation.15 - Patient's Occupational Industry

# Definition

The occupational industry of the patient's work.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_16	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Description
Accommodation and Food Services
Administrative and Support and Waste Management and Remediation Services
Agriculture, Forestry, Fishing and Hunting
Arts, Entertainment, and Recreation
Construction
Educational Services
Finance and Insurance
Health Care and Social Assistance
Information
Management of Companies and Enterprises
Manufacturing
Mining, Quarrying, and Oil and Gas Extraction
Other Services (except Public Administration)
Professional, Scientific, and Technical Services
Public Administration
Real Estate and Rental and Leasing
Retail Trade
Transportation and Warehousing
Utilities
Wholesale Trade

# **Data Element Comment**

From the North American Industry Classification System (NAICS) from US Bureau of Labor Statistics (https://www.census.gov/naics/?58967?yearbck=2022).

# eSituation.16 - Patient's Occupation

# Definition

# The occupation of the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E07_17	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
2816001	Architecture and Engineering Occupations
2816003	Arts, Design, Entertainment, Sports, and Media Occupations
2816005	Building and Grounds Cleaning and Maintenance Occupations
2816007	Business and Financial Operations Occupations
2816009	Community and Social Services Occupations
2816011	Computer and Mathematical Occupations
2816013	Construction and Extraction Occupations
2816015	Educational Instruction and Library Occupations
2816017	Farming, Fishing and Forestry Occupations
2816019	Food Preparation and Serving Related Occupations
2816021	Healthcare Practitioners and Technical Occupations
2816023	Healthcare Support Occupations
2816025	Installation, Maintenance, and Repair Occupations
2816027	Legal Occupations
2816029	Life, Physical, and Social Science Occupations
2816031	Management Occupations
2816033	Military Specific Occupations
2816035	Office and Administrative Support Occupations
2816037	Personal Care and Service Occupations
2816039	Production Occupations
2816041	Protective Service Occupations
2816043	Sales and Related Occupations
2816045	Transportation and Material Moving Occupations

# Data Element Comment

Based on the Standard Occupational Classification of the US Bureau of Labor Statistics (https://www.bls.gov/soc/2018/soc\_structure\_2018.pdf)

# Version 3 Changes Implemented

Added to better describe work related injury.

eSituation.17

State

# eSituation.17 - Patient Activity

## Definition

The activity the patient was involved in at the time the patient experienced the onset of symptoms or experienced an injury.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

## Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Constraints

#### **Pattern**

Y93\.[A-Za-z0-9]{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-resource-repository/

Code list is represented in ICD-10 Codes.

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

Product - UMLS Metathesaurus

Rule ID Level	Message
nemSch_e001 Error	When Patient Activity is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Patient Activity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Patient Activity has a Not Value, no other value should be recorded.

State

National

## eSituation.18 - Date/Time Last Known Well

#### Definition

The estimated date and time the patient was last known to be well or in their usual state of health. This is described or estimated by the patient, family, and/or bystanders.

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

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

**NOT Values (NV)** 

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

8801023 - Unable to Complete 8801029 - Approximate

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### **Pattern**

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

#### **Data Element Comment**

For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. For injury or trauma related events, this is the date and time the patient was injured.

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time Last Known Well is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Date/Time Last Known Well has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e003	Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Date/Time of Cardiac Arrest has a Pertinent Negative of "Unable to Complete", it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e004	Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Age, Date/Time of Cardiac Arrest has a Pertinent Negative of "Approximate", it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e008	Error	When Date/Time Last Known Well has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e044	Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Well.
nemSch_e054	Warning	Unit Back in Service Date/Time should not be earlier than Date/Time Last Known Well.
nemSch_e085	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".

nemSch\_e086 Warning Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Score is "Positive".

nemSch\_e087 Warning Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

eSituation.19

State

## eSituation.19 - Justification for Transfer or Encounter

#### Definition

The ordering physician or medical provider diagnosis or stated reason for a hospital-to-hospital transfer, other medical transport, or Mobile Integrated Healthcare encounter.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Attributes

## **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

Data Type	minLength	maxLength
strina	1	255

## **Data Element Comment**

This is the diagnosis or reason for transfer, or medical transport or Integrated Healthcare Encounter provided by the ordering physician or medical provider. Hospital-to-hospital transfers and medical transports are based on the ordering medical provider, and not the EMS provider's impression. The text of the reason or diagnosis would be entered here rather than using the patient complaint field (as the patient may still have complaints to document), eSituation.11 Provider's Primary Impression or eSituation.12 Provider's Secondary Impressions.

This element should only be documented when eResponse.05 Type of Service Requested is Hospital-to-Hospital Transfer, Other Medical Needs Transport, Mobile Integrated Health Care Evaluation or Visit.

## Version 3 Changes Implemented

This element is being added with the release of v3.5.0

Rule ID	Level	Message
nemSch_e001	Error	When Justification for Transfer or Encounter is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Justification for Transfer or Encounter has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

**National** 

# eSituation.20 - Reason for Interfacility Transfer/Medical Transport

#### Definition

The general categories of the reason for an interfacility transfer/medical transport.

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
2820001	Cardiac Specialty
2820003	Convenience Transfer (Patient Request)
2820005	Diagnostic Testing
2820007	Dialysis
2820009	Drug and/or Alcohol Rehabilitation Care
2820011	Extended Care
2820013	Maternal/Neonatal
2820015	Medical Specialty Care (Other, Not Listed)
2820017	Neurological Specialty Care
2820019	Palliative/Hospice Care (Home or Facility)
2820021	Pediatric Specialty Care
2820023	Psychiatric/Behavioral Care
2820025	Physical Rehabilitation Care
2820027	Return to Home/Residence
2820029	Surgical Specialty Care (Other, Not Listed)
2820031	Trauma/Orthopedic Specialty Care

## **Data Element Comment**

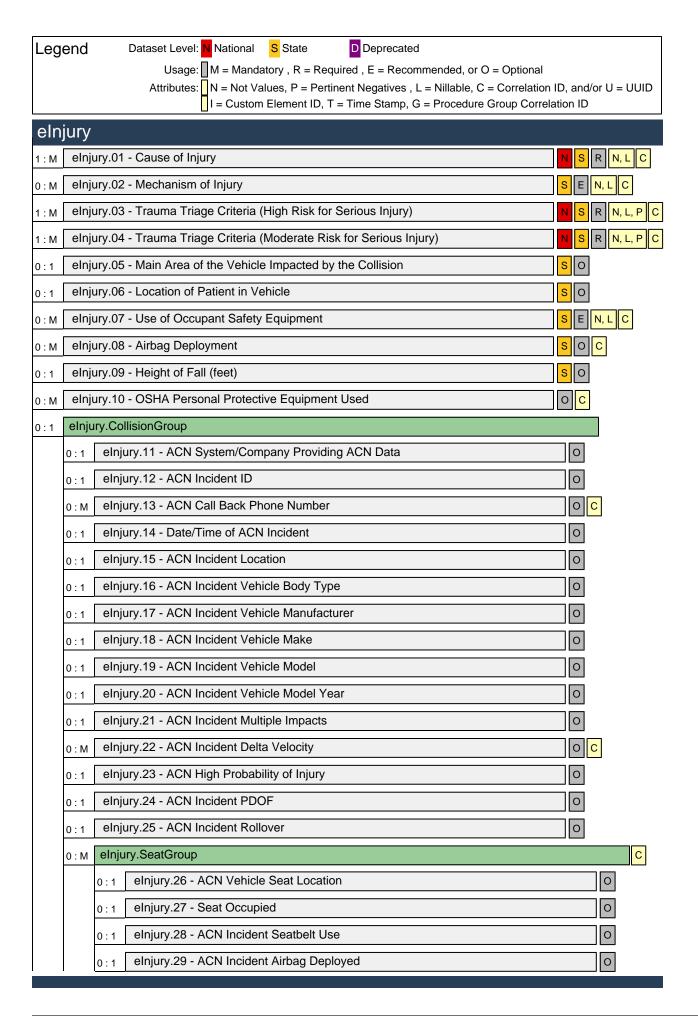
This supports and works in combination with eSituation.19 Justification for Transfer or Encounter to provide defined categories for an interfacility transfer or other medical transport. This documentation provides support for reimbursement and a means for regions and states to evaluate transfer patterns and types.

# Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Reason for Interfacility Transfer/Medical Transport is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	2 Error	When Reason for Interfacility Transfer/Medical Transport has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e08	8 Warning	Reason for Interfacility Transfer/Medical Transport should only be recorded when Type of Service Requested is " Transfer" or "Other Routine Medical Transport".

# elnjury



State

National

# elnjury.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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# 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-resource-repository/

Code list is represented in ICD-10 Codes.

Website - http://uts.nlm.nih.gov Product - UMLS Metathesaurus

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Cause of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Cause of Injury has a Not Value, no other value should be recorded.
nemSch_e089	Warning	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e090	Warning	Cause of Injury should only be recorded when Possible Injury is "Yes".

elnjury.02

# elnjury.02 - Mechanism of Injury

# Definition

The mechanism of the event which caused the injury.

National Element	No Pertinent Negatives (PN)		No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Associated Performance Measure Initiatives

Trauma

# Attributes

NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID

minLength: 2 Data Type: string maxLength: 255

# Code List

Code	Description
2902001	Blunt
2902003	Burn
2902005	Other
2902007	Penetrating

# **Data Element Comment**

Rule ID Level	Message
nemSch_e001 Error	When Mechanism 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).
nemSch_e002 Error	When Mechanism of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Mechanism of Injury has a Not Value, no other value should be recorded.

State

**National** 

# elnjury.03 - Trauma Triage Criteria (High Risk for Serious Injury)

#### Definition

Trauma triage criteria for the red boxes (Injury Patterns and Mental Status and Vital Signs) in the 2021 ACS National Guideline for the Field Triage of Injured Patients.

National Element	Yes Pertinent Negatives (PN)		Yes
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

Pertinent Negatives (PN) 8801015 - None Reported

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
2903001	Amputation proximal to wrist or ankle
2903003	Crushed, degloved, mangled, or pulseless extremity
2903005	Chest wall instability, deformity, or suspected flail chest
2903007	Glasgow Coma Score <= 13 (DEPRECATED)
2903009	Skull deformity, suspected skull fracture
2903011	Paralysis (DEPRECATED)
2903013	Suspected pelvic fracture
2903015	Penetrating injuries to head, neck, torso, and proximal extremities
2903017	Respiratory Rate <10 or >29 breaths per minute (<20 in infants aged <1 year) or need for ventilatory support (DEPRECATED)
2903019	Systolic Blood Pressure <90 mmHg (DEPRECATED)
2903021	Suspected fracture of two or more proximal long bones
2903023	Active bleeding requiring a tourniquet or wound packing with continuous pressure
2903025	Age >= 10 years: HR > SBP
2903027	Age >= 65 years: SBP < 110 mmHg
2903029	Age 0-9 years: SBP < 70mm Hg + (2 x age in years)
2903031	Age 10-64 years: SBP < 90 mmHg
2903033	Respiratory distress or need for respiratory support
2903035	Room-air pulse oximetry < 90%
2903037	RR < 10 or > 29 breaths/min
2903039	Suspected spinal injury with new motor or sensory loss
2903041	Unable to follow commands (motor GCS < 6)

#### **Data Element Comment**

2021 National Guidelines for the Field Triage of Injured Patients - Red Criteria (i.e., Injury Patterns, Mental Status & Vital Signs)

# Version 3 Changes Implemented

Revised to represent the 2021 National Guidelines for the Field Triage of Injured Patients - Red Criteria. Website: <a href="https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/">https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/</a>

# Associated Validation Rules

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nemSch\_e001 Error When Trauma Triage Criteria (High Risk for Serious 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).
nemSch_e002 Error	When Trauma Triage Criteria (High Risk for Serious Injury) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008 Error	When Trauma Triage Criteria (High Risk for Serious Injury) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009 Warning	When Trauma Triage Criteria (High Risk for Serious Injury) has a Not Value, no other value should be recorded.
nemSch_e010 Warning	When Trauma Triage Criteria (High Risk for Serious Injury) has a Pertinent Negative, no other value should be recorded.
nemSch_e091 Warning	Trauma Triage Criteria (High Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".

State

**National** 

# elnjury.04 - Trauma Triage Criteria (Moderate Risk for Serious Injury)

#### Definition

Trauma triage criteria for the yellow boxes (Mechanism of Injury and EMS Judgment) in the 2021 ACS National Guideline for the Field Triage of Injured Patients.

National Element	Yes Pertinent Negatives (PN)		Yes
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

Pertinent Negatives (PN) 8801015 - None Reported

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
2904001	Pedestrian/bicycle rider thrown, run over, or with significant impact
2904003	Fall Adults: > 20 ft. (one story is equal to 10 ft.) (DEPRECATED)
2904005	Fall Children: > 10 ft. or 2-3 times the height of the child (DEPRECATED)
2904007	Auto Crash: Death in passenger compartment
2904009	Auto Crash: Partial or complete ejection
2904011	Auto Crash: Significant intrusion (including roof): >12 inches occupant site; >18 inches any site; need for
	extrication
2904013	Auto Crash: Vehicle telemetry data consistent with severe injury
2904015	Motorcycle Crash > 20 MPH (DEPRECATED)
2904017	SBP < 110 for age > 65 (DEPRECATED)
2904019	Anticoagulant use
2904021	Pregnancy > 20 weeks
2904023	Other EMS judgment
2904025	Burn, without other trauma (DEPRECATED)
2904027	Burns in conjunction with trauma
2904029	Auto Crash: Child (age 0-9 years) unrestrained or in unsecured child safety seat
2904031	Fall from height > 10 feet (all ages)
2904033	Low-level falls in young children (age <= 5 years) or older adults (age >= 65 years) with significant head impact
2904035	Rider separated from transport vehicle with significant impact (eg, motorcycle, ATV, horse, etc.)
2904037	Special, high-resource healthcare needs
2904039	Suspicion of child abuse

#### **Data Element Comment**

2021 National Guidelines for the Field Triage of Injured Patients - Yellow Criteria (i.e., Mechanism of Injury and EMS Judgment)

#### Version 3 Changes Implemented

Revised to represent the 2021 National Guidelines for the Field Triage of Injured Patients - Yellow Criteria. Website: https://www.facs.org/quality-programs/trauma/systems/field-triage-quidelines

#### Associated Validation Rules

Rule ID	Level	Message
Rule ID	Levei	wessage

nemSch\_e001 Error

When Trauma Triage Criteria (Moderate Risk for Serious 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).

nemSch\_e002 Error When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Pertinent Negative, it nemSch\_e008 Error should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Not Value, no other value nemSch\_e009 Warning should be recorded. When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Pertinent Negative, no nemSch\_e010 Warning other value should be recorded. nemSch\_e092 Warning Trauma Triage Criteria (Moderate Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".

State

# elnjury.05 - Main Area of the Vehicle Impacted by the Collision

# Definition

The area or location of initial impact on the vehicle based on 12-point clock diagram.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E10_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minInclusive	maxInclusive
integer	1	12

# **Data Element Comment**

The front of the vehicle is 12, passenger (right) side is 3, rear is 6, etc.

Based on MMUCC via areas(s) of impact & FARS coding manual clock diagram.

elnjury.06

State

# elnjury.06 - Location of Patient in Vehicle

# Definition

The seat row location of the vehicle at the time of the crash with the front seat numbered as 1.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E10_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
2906001	Front Seat-Left Side (or motorcycle driver)
2906003	Front Seat-Middle
2906005	Front Seat-Right Side
2906007	Passenger in other enclosed passenger or cargo area (non-trailing unit such as a bus, etc.)
2906009	Passenger in unenclosed passenger or cargo area (non-trailing unit such as a pickup, etc.)
2906011	Riding on Vehicle Exterior (non-trailing unit)
2906013	Second Seat-Left Side (or motorcycle passenger)
2906015	Second Seat-Middle
2906017	Second Seat-Right Side
2906019	Sleeper Section of Cab (truck)
2906021	Third Row-Left Side (or motorcycle passenger)
2906023	Third Row-Middle
2906025	Third Row-Right Side
2906027	Trailing Unit
2906029	Unknown

# Data Element Comment

MMUCC P6 data element

State

# elnjury.07 - Use of Occupant Safety Equipment

# Definition

Safety equipment in use by the patient at the time of the injury.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Associated Performance Measure Initiatives

Trauma

# Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
2907001	Child Booster Seat
2907003	Eye Protection
2907005	Helmet Worn
2907007	Infant Car Seat Forward Facing
2907009	Infant Car Seat Rear Facing
2907015	None
2907017	Other
2907019	Personal Floatation Device
2907021	Protective Clothing
2907023	Protective Non-Clothing Gear
2907027	Shoulder and Lap Belt Used
2907029	Lap Belt Only Used
2907031	Shoulder Belt Only Used
2907033	Unable to Determine

# Data Element Comment

MMUCC P7 data element used as baseline information. Data element expanded for added definition in non-vehicular settings.

Rule ID Level	Message
nemSch_e001 Error	When Use of Occupant Safety Equipment is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Use of Occupant Safety Equipment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Use of Occupant Safety Equipment has a Not Value, no other value should be recorded.

State

# elnjury.08 - Airbag Deployment

# Definition

# Indication of Airbag Deployment.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E10_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

# CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
2908001	Airbag Deployed Front
2908003	Airbag Deployed Side
2908005	Airbag Deployed Other (knee, air belt, etc.)
2908007	No Airbag Deployed
2908009	No Airbag Present

# Data Element Comment

MMUCC P8 data element baseline was used for this element.

State

# elnjury.09 - Height of Fall (feet)

# Definition

The distance in feet the patient fell, measured from the lowest point of the patient to the ground.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E10_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minInclusive	maxInclusive
integer	0	10000

# Data Element Comment

Classify same level falls as 0 feet

# elnjury.10 - OSHA Personal Protective Equipment Used

# Definition

Documentation of the use of OSHA required protective equipment used by the patient at the time of injury.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

## CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
2910001	Eye and Face Protection
2910003	Foot Protection
2910005	Head Protection
2910007	Hearing Protection
2910009	Respiratory Protection

2910011 Safety Belts, lifelines, and lanyards

2910013 Safety Nets

## **Data Element Comment**

# Version 3 Changes Implemented

Added to better document personal protection equipment used by the patient associated with an injury.

# elnjury.11 - ACN System/Company Providing ACN Data

# Definition

The agency providing the Automated Collision Notification (ACN) Data.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	1	30

# Data Element Comment

Based on Vehicular Emergency Data Set: Provider Name. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.12 - ACN Incident ID

# Definition

## The Automated Collision Notification Incident ID.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	100

# Data Element Comment

Based on Vehicular Emergency Data Set: Incident ID. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.13 - ACN Call Back Phone Number

## Definition

The Automated Collision Notification Call Back Phone Number (US Only).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

**PhoneNumberType** 

9913001 - Fax 9913003 - Home 9913005 - Mobile

9913007 - Pager 9913009 - Work

## Constraints

## Pattern

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Call Back Number. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.14 - Date/Time of ACN Incident

## Definition

The Automated Collision Notification Incident Date and Time.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Incident Date and Time. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

# elnjury.15 - ACN Incident Location

## Definition

#### The Automated Collision Notification GPS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

#### **Pattern**

 $(+|-)?(90(.[0]{1,6})?)([1-8][0-9][0-9])(.[0-9]{1,6})?),(+|-)?(180(.[0]{1,6})?)(1[0-7][0-9][1-9][0-9][0-9])(.[0-9]{1,6})?)$ 

#### **Data Element Comment**

Based on Vehicular Emergency Data Set: Location (combining Latitude and Longitude). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group. The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

# Version 3 Changes Implemented

# elnjury.16 - ACN Incident Vehicle Body Type

# Definition

The Automated Collision Notification Vehicle Body Type.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	100

# Data Element Comment

Based on Vehicular Emergency Data Set: Body Type. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.17 - ACN Incident Vehicle Manufacturer

# Definition

The Automated Collision Notification Vehicle Manufacturer (e.g., General Motors, Ford, BMW, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	100

## Data Element Comment

Based on Vehicular Emergency Data Set: Manufacturer. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.18 - ACN Incident Vehicle Make

# Definition

The Automated Collision Notification Vehicle Make (e.g., Cadillac, Ford, BMW, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	100

# Data Element Comment

Based on Vehicular Emergency Data Set: Make. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.19 - ACN Incident Vehicle Model

# Definition

The Automated Collision Notification Vehicle Model (e.g., Escalade, Taurus, X6M, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	1	100

## Data Element Comment

Based on Vehicular Emergency Data Set: Model. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

# elnjury.20 - ACN Incident Vehicle Model Year

## Definition

The Automated Collision Notification Vehicle Model Year (e.g., 2010).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminInclusivemaxInclusiveinteger19002050

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Year. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

# Version 3 Changes Implemented

## elnjury.21 - ACN Incident Multiple Impacts

## Definition

The Automated Collision Notification Indication of Multiple Impacts associated with the collision.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Code List

Code Description 9923001 No 9923003 Yes

#### **Data Element Comment**

Based on Vehicular Emergency Data Set: Multiple Impacts. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

## elnjury.22 - ACN Incident Delta Velocity

#### Definition

The Automated Collision Notification Delta Velocity (Delta V) force associated with the crash.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

**DeltaVelocityOrdinal** 

Data Type: integer minInclusive: 1

CorrelationID

Data Type: string minLength: 2 maxLength: 255

VelocityUnit

9921001 - Kilometers per Hour 9921003 - Miles per Hour

Constraints

Data Type minInclusive maxInclusive

integer 0 999

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Delta Velocity. The force of impact based on the change in velocity over the duration of the crash pulse. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

## elnjury.23 - ACN High Probability of Injury

## Definition

The Automated Collision Notification of the High Probability of Injury.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Associated Performance Measure Initiatives

Trauma

## Code List

CodeDescription9923001No9923003Yes

## **Data Element Comment**

## Version 3 Changes Implemented

## elnjury.24 - ACN Incident PDOF

#### Definition

The Automated Collision Notification Principal Direction of Force (PDOF).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type	minInclusive	maxInclusive
integer	1	12

## Data Element Comment

Based on Vehicular Emergency Data Set: PDOF. Principal direction of the force of the impact to nearest o'clock reading. Values are 1 through 12 (e.g., 12=Frontal collision, 3=passenger side (right) collision, etc.). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

## elnjury.25 - ACN Incident Rollover

#### Definition

The Automated Collision Notification Indication that the Vehicle Rolled Over.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Code List

Code	Description
Υ	Yes
N	No

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Rollover. Indicates if the vehicle rolled over during the collision/event (e.g., True=Rollover, False=No Rollover). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

## elnjury.26 - ACN Vehicle Seat Location

#### Definition

The Automated Collision Notification Indication of the Occupant(s) Seat Location(s) within the vehicle.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Code List

Code	Description
2926001	Driver Front Seat
2926003	Front Row Middle Seat
2926005	Passenger Front Seat
2926007	Second Row Left Seat
2926009	Second Row Middle Seat
2926011	Second Row Right Seat
2926013	Third Row Left Seat
2926015	Third Row Middle Seat
2926017	Third Row Right Seat

#### **Data Element Comment**

Based on Vehicular Emergency Data Set: Seat - Multiple entry for each seats data. Indicates seatbelt and seat sensor data for individual seat position in the vehicle. These elements come from passenger vehicle. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

#### Version 3 Changes Implemented

# elnjury.27 - Seat Occupied

## Definition

Indication if seat is occupied based on seat sensor data.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Code List

Code	Description
Υ	Yes
N	No

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Occupied - Associated with each seat. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

# elnjury.28 - ACN Incident Seatbelt Use

#### Definition

The Automated Collision Notification Indication of Seatbelt use by the occupant(s).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Code List

Code	Description
Υ	Yes
N	No

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Belt Fastened - Associated with each Seat. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

## elnjury.29 - ACN Incident Airbag Deployed

#### Definition

## The Automated Collision Notification Indication of Airbag Deployment.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Code List

Code	Description	
Υ	Yes	
N	No	

## **Data Element Comment**

Based on Vehicular Emergency Data Set: Deployed - Associated with each seat. Indicates if airbag is deployed. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

## Version 3 Changes Implemented

# **eArrest**

Lea	end Dataset Level: National S State D Deprecated			
Logi	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  I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID			
eAr	rest			
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 C		
1 : M	eArrest.04 - Arrest Witnessed By	N S R N, L C		
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 C		
0:1	eArrest.10 - Therapeutic Hypothermia by EMS	0		
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 C		
0:1	eArrest.13 - Neurological Outcome at Hospital Discharge	0		
1:1	eArrest.14 - Date/Time of Cardiac Arrest	N S R N, L, P		
0:1	eArrest.15 - Date/Time Resuscitation Discontinued	S E 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 C		
1:1	eArrest.18 - End of EMS Cardiac Arrest Event	N S R N, L		
0:1	eArrest.19 - Date/Time of Initial CPR	0		
1:1	eArrest.20 - Who First Initiated CPR	N S R N, L		
1:1	eArrest.21 - Who First Applied the AED	N S R N, L		
1:1	eArrest.22 - Who First Defibrillated the Patient	N S R N, L		

eArrest

State

**National** 

#### eArrest.01 - Cardiac Arrest

#### Definition

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

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

### Associated Performance Measure Initiatives

Cardiac Arrest

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description
------	-------------

3001001 No

3001003 Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders) 3001005 Yes, After Any EMS Arrival (includes Transport EMS & Medical First Responders)

## **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 Any EMS Arrival (includes Transport EMS & Medical First Responders)".

EMS is defined as Emergency Medical Services personnel and Medical First Responder personnel who respond to a medical emergency in an official capacity as part of an organized medical response team. By this definition, physicians, nurses, or paramedics who witness a cardiac arrest and initiate CPR, but are not part of the organized medical response team are characterized as bystanders and are not part of the EMS system.

Medical First Responders are defined as personnel who are dispatched through the 911 system, respond in an official capacity, have the capability and/or training to provide emergency medical care, but are not the designated transporter of the patient. Thus, law enforcement officers who respond in an official capacity to a cardiac arrest, have the capability and/or training to provide emergency medical care (e.g., carry AEDs in their patrol vehicles, hold EMR licensure, are CPR certified, etc.) are considered Medical First Responders for the purposes of this data element.

Responders dispatched through the 911 system with no capability of providing emergency medical care are not considered Medical First Responders. For example, towing and wrecking responding to a vehicle crash, or law enforcement officers who do not provide any emergency medical care would not be considered Medical First Responders.

For States and Local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), "Any EMS Arrival" includes 911 Responders (First Responder or EMS) as defined by CARES in the CARES Data Dictionary: https://mycares.net/sitepages/uploads/DataDictionary.

This NEMSIS data element is used to answer CARES data element #20 Arrest After Arrival of 911 Responder.

Rule ID L	_evel	Message
nemSch_e001 <mark>E</mark>	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).
nemSch_e002 <mark>E</mark>	Error	When Cardiac Arrest has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

nemSch_e085 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e093 Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e094 Warning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes".
nemSch_e095 Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e096 Warning	Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes".
nemSch_e100 Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e101 Warning	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes".
nemSch_e103 Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".
nemSch_e104 Warning	AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes".
nemSch_e105 Warning	Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes".
nemSch_e108 Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e109 Warning	Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes".
nemSch_e111 Warning	Date/Time of Cardiac Arrest should only be recorded when Cardiac Arrest is "Yes".
nemSch_e112 Warning	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes".
nemSch_e113 Warning	Cardiac Rhythm on Arrival at Destination should be recorded when Transport Disposition is "Transport by This EMS Unit" and Cardiac Arrest is "Yes".
nemSch_e114 Warning	Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes".
nemSch_e115 Warning	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e116 Warning	End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes".
nemSch_e118 Warning	Who First Initiated CPR should only be recorded when Cardiac Arrest is "Yes".
nemSch_e120 Warning	Who First Applied the AED should only be recorded when Cardiac Arrest is "Yes".
nemSch_e123 Warning	Who First Defibrillated the Patient should only be recorded when Cardiac Arrest is "Yes".
nemSch_e171 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".

eArrest.02 NEMSIS Version 3.5.1.240701CR1

**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-Medical (Non-Traumatic)
3002011	Other
3002013	Respiratory/Asphyxia
3002015	Traumatic Cause

## Data Element Comment

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

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Cardiac Arrest Etiology has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e093 Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e094 Warning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes".

State

**National** 

## eArrest.03 - Resuscitation Attempted By EMS

#### Definition

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

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Description
Attempted Defibrillation
Attempted Ventilation
Initiated Chest Compressions
Not Attempted-Considered Futile
Not Attempted-DNR Orders
Not Attempted-Signs of Circulation

## Data Element Comment

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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Resuscitation Attempted By EMS has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning Warning	When Resuscitation Attempted By EMS has a Not Value, no other value should be recorded.
nemSch_e095	Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e096	Warning	Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes".
nemSch_e097	Warning	Resuscitation Attempted By EMS should not contain both "Attempted/Initiated" and "Not Attempted".
nemSch_e098	Warning	Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions".
nemSch_e099	Warning	Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation" or "Compressions-Intermittent with Ventilation".
nemSch_e106	Warning	Type of CPR Provided should contain "Compressions" when Resuscitation Attempted By EMS contains "Initiated Chest Compressions".

nemSch\_e107 Warning Type of CPR Provided should contain "Ventilation..." or "Compressions-Intermittent with Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation".

nemSch\_e117 Warning Who First Initiated CPR should be recorded when Resuscitation Attempted By EMS is "Attempted..." or "Initiated...".

eArrest.04 NEMSIS Version 3.5.1.240701CR1

**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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Code List

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

## Data Element Comment

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Arrest Witnessed By has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Arrest Witnessed By has a Not Value, no other value should be recorded.
nemSch_e100 Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e101 Warning	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes".
nemSch_e102 Warning	When Arrest Witnessed By is "Not Witnessed", no other value should be recorded.

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.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When AED Use Prior to EMS Arrival has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e103	3 Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".
nemSch_e104	↓ <mark>Warning</mark>	AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes".
nemSch_e119	Warning	Who First Applied the AED should be recorded when AED Use Prior to EMS Arrival is "Yes".
nemSch_e122	2 Warning	Who First Defibrillated the Patient should be recorded when AED Use Prior to EMS Arrival is "Yes, With Defibrillation".

eArrest.09 NEMSIS Version 3.5.1.240701CR1

**National** 

# eArrest.09 - Type of CPR Provided

## Definition

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

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

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Code List

Code	Description
3009001	Compressions-Manual
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
3009021	Compressions-Hands Only CPR (DEPRECATED)
3009013	Ventilation-Bag Valve Mask
3009015	Ventilation-Impedance Threshold Device
3009017	Ventilation-Mouth to Mouth
3009019	Ventilation-Pocket Mask
3009023	Ventilation-with OPA/NPA
3009025	Ventilation-Advanced Airway Device
3009027	Ventilation-Passive Ventilation with Oxygen

#### **Data Element Comment**

Added to capture special CPR techniques.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Type of CPR Provided has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Type of CPR Provided has a Not Value, no other value should be recorded.
nemSch_e098	3 Warning	Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions".
nemSch_e099	Warning	Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation" or "Compressions-Intermittent with Ventilation".
nemSch_e105	5 Warning	Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes".
nemSch_e106	3 Warning	Type of CPR Provided should contain "Compressions" when Resuscitation Attempted By EMS

contains "Initiated Chest Compressions".

nemSch\_e107 Warning

Type of CPR Provided should contain "Ventilation..." or "Compressions-Intermittent with Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation".

## eArrest.10 - Therapeutic Hypothermia by EMS

#### Definition

Documentation of EMS initiation of Therapeutic Hypothermia.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Associated Performance Measure Initiatives

Cardiac Arrest

#### Code List

CodeDescription9923001No9923003Yes

## **Data Element Comment**

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.10 is the equivalent of CARES data element #32: Was Hypothermia Care Provided in the Field as defined by CARES in the CARES Data Dictionary: <a href="https://mycares.net/sitepages/uploads/DataDictionary">https://mycares.net/sitepages/uploads/DataDictionary</a>.

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".

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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 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.

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Any Return of Spontaneous Circulation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Any Return of Spontaneous Circulation has a Not Value, no other value should be recorded.
nemSch_e108 Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e109 Warning	Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes".
nemSch_e110 Warning	When Any Return of Spontaneous Circulation is "No", no other value should be recorded.

## eArrest.13 - Neurological Outcome at Hospital Discharge

#### Definition

The level of cerebral performance of the patient at the time of discharge from the Hospital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E11_07	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Associated Performance Measure Initiatives

Cardiac Arrest

#### Code List

Code	Description
3013001	CPC 1 Good Cerebral Performance
3013003	CPC 2 Moderate Cerebral Disability
3013005	CPC 3 Severe Cerebral Disability
3013007	CPC 4 Coma or Vegetative State

#### **Data Element Comment**

- 1 = Good Cerebral Performance: Conscious, Alert, able to work and lead a normal life.
- 2 = Moderate Cerebral Disability: Conscious and able to function independently (dress, travel, prepare food) may have hemiplegia, seizures, or permanent memory or mental changes.
- 3 = Severe Cerebral Disability: Conscious, dependent on others for daily support, functions only in an institution or at home with exceptional family effort.
- 4 = Coma or vegetative state: any degree of coma without the presence of all brain death criteria. Unawareness, even if appears awake (vegetative state) without interaction with environment; may have spontaneous eye opening and sleep/awake cycles. Cerebral unresponsiveness.

eArrest.14

State

National

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

#### Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
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

**Pertinent Negatives (PN)** 

8801023 - Unable to Complete 8801029 - Approximate

### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### **Pattern**

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

#### **Data Element Comment**

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)

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

nemSch_e001 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).
nemSch_e002 Error	When Date/Time of Cardiac Arrest has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e003 Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Date/Time of Cardiac Arrest has a Pertinent Negative of "Unable to Complete", it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e004 Error	When Date/Time of Symptom Onset, Date/Time Last Known Well, Age, Date/Time of Cardiac Arrest has a Pertinent Negative of "Approximate", it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e008 Error	When Date/Time of Cardiac Arrest has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e045 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest.
nemSch_e055 Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Cardiac Arrest.
nemSch_e111 Warning	Date/Time of Cardiac Arrest should only be recorded when Cardiac Arrest is "Yes".

State

#### eArrest.15 - Date/Time Resuscitation Discontinued

#### Definition

The date/time resuscitation was discontinued.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_09	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)** 

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

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

#### **Data Element Comment**

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

уууу	a four-digit numeral that represents the year
<u>''</u>	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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

nemSch\_e001 Error

When Date/Time 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).

eArrest.16 NEMSIS Version 3.5.1.240701CR1

**National** 

## eArrest.16 - Reason CPR/Resuscitation Discontinued

#### Definition

The reason that CPR or the resuscitation efforts were discontinued.

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

#### Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### Data Element Comment

Added Resuscitation to Title to allow better documentation of disposition.

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Reason CPR/Resuscitation Discontinued has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e11	2 Warning	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes".

eArrest.17

**National** 

# eArrest.17 - Cardiac Rhythm on Arrival at Destination

## Definition

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

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

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## 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
9901030	Non-STEMI Septal 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
9901058	STEMI Septal 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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Cardiac Rhythm on Arrival at Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Cardiac Rhythm on Arrival at Destination has a Not Value, no other value should be recorded.
nemSch_e113	Warning	Cardiac Rhythm on Arrival at Destination should be recorded when Transport Disposition is "Transport by This EMS Unit" and Cardiac Arrest is "Yes".
nemSch_e114	Warning	Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes".

eArrest.18 NEMSIS Version 3.5.1.240701CR1

**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

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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When End of EMS Cardiac Arrest Event has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e115	5 <mark>Warning</mark>	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e116	8 Warning	End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes".

eArrest.19 NEMSIS Version 3.5.1.240701CR1

# eArrest.19 - Date/Time of Initial CPR

## Definition

The initial date and time that CPR was started by anyone.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

## Constraints

Data Type dateTime minInclusive maxInclusive

1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

 $[0-9]\{4\}-[0-9]\{2\}-[0-9]\{2\}+[0-9][2]+$ 

Data Element Comment

eArrest.20 NEMSIS Version 3.5.1.240701CR1

National

#### eArrest.20 - Who First Initiated CPR

#### Definition

Who first initiated CPR for this 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
3020001	Bystander
3020003	Family Member
3020005	Healthcare Provider (non-911 Responder)
3020007	First Responder (EMS)
3020009	First Responder (Law Enforcement)
3020011	First Responder (non-EMS Fire)
3020013	EMS Responder (transport EMS)

#### **Data Element Comment**

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as performing bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responder (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.20 is the equivalent of CARES data element #23 Who Initiated CPR as defined by CARES in the CARES Data Dictionary: https://mycares.net/sitepages/uploads/DataDictionary.

#### Associated Validation Rules

Rule ID Level Message nemSch\_e001 Error When Who First Initiated CPR is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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\_e002 Error When Who First Initiated CPR has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

who First Initiated CPR should be recorded when Resuscitation Attempted By EMS is "Attempted..." or "Initiated...".

nemSch\_e118 Warning Who First Initiated CPR should only be recorded when Cardiac Arrest is "Yes...".

State

**National** 

#### eArrest.21 - Who First Applied the AED

#### Definition

Documentation of who first applied the AED for this 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

December

7701003 - Not Recorded

#### Code List

Coae	Description
3021001	Bystander
3021003	Family Member
3021005	Healthcare Provider (non-911 Responder)
3021007	First Responder (EMS)
3021009	First Responder (Law Enforcement)
3021011	First Responder (non-EMS Fire)
3021013	EMS Responder (transport EMS)

#### **Data Element Comment**

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as preforming bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responser (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.21 is the equivalent of CARES data element #27 Who First Applied the AED as defined by CARES in the CARES Data Dictionary: <a href="https://mycares.net/sitepages/uploads/DataDictionary">https://mycares.net/sitepages/uploads/DataDictionary</a>.

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error When Who First Applied the AED is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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\_e002 Error When Who First Applied the AED has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

who First Applied the AED should be recorded when AED Use Prior to EMS Arrival is "Yes...".

nemSch\_e120 Warning Who First Applied the AED should only be recorded when Cardiac Arrest is "Yes...".

NEMSIS Version 3.5.1.240701CR1 eArrest.22

State

**National** 

### eArrest.22 - Who First Defibrillated the Patient

### Definition

Documentation of who first defibrillated 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

### **Attributes**

### **NOT Values (NV)**

7701001 - Not Applicable

Decembelies

7701003 - Not Recorded

### Code List

C--I-

Code	Description
3022001	Bystander
3022003	Family Member
3022005	Healthcare Provider (non-911 Responder)
3022007	First Responder (EMS)
3022009	First Responder (Law Enforcement)
3022011	First Responder (non-EMS Fire)
3022013	EMS Responder (transport EMS)

### **Data Element Comment**

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as preforming bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responser (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.22 is the equivalent of CARES data element #28 Who First Defibrillated the Patient as defined by CARES in the CARES Data Dictionary: <a href="https://mycares.net/sitepages/uploads/DataDictionary">https://mycares.net/sitepages/uploads/DataDictionary</a>.

### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Who First Defibrillated 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).

NemSch\_e002 Error

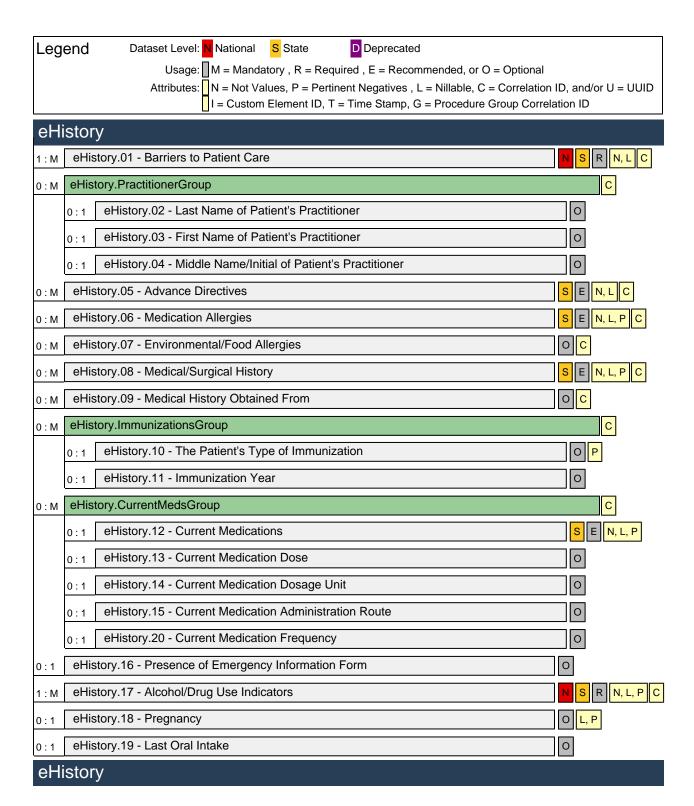
When Who First Defibrillated the Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

Who First Defibrillated the Patient should be recorded when AED Use Prior to EMS Arrival is "Yes, With Defibrillation".

NemSch\_e123 Warning

Who First Defibrillated the Patient should only be recorded when Cardiac Arrest is "Yes...".

# eHistory



State

National

# eHistory.01 - Barriers to Patient Care

# Definition

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

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# 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	
3101033	Alcohol Use, Suspected	
3101035	Drug Use, Suspected	

# Data Element Comment

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Barriers to Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Barriers to Patient Care has a Not Value, no other value should be recorded.
nemSch_e124	<b>Warning</b>	When Barriers to Patient Care is "None Noted", no other value should be recorded.

# eHistory.02 - Last Name of Patient's Practitioner

# Definition

The last name of the patient's practitioner.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	60

# eHistory.03 - First Name of Patient's Practitioner

# Definition

The first name of the patient's practitioner.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

# eHistory.04 - Middle Name/Initial of Patient's Practitioner

# Definition

The middle name or initial of the patient's practitioner.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

State

# eHistory.05 - Advance Directives

# Definition

The presence of a valid DNR form, living will, or document directing end of life or healthcare treatment decisions.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

# Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

Code	Description
3105001	Family/Guardian request DNR (but no documentation)
3105003	Living Will
3105005	None
3105007	Other
3105009	Other Healthcare Advanced Directive Form
3105011	State FMS DNR or Medical Order Form

### **Data Element Comment**

Advanced Directive and Do Not Resuscitate are both included in this data element.

Rule ID Level	Message
nemSch_e001 Error	When Advance Directives is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Advance Directives has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Advance Directives has a Not Value, no other value should be recorded.

State

# eHistory.06 - Medication Allergies

### Definition

The patient's medication allergies.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

**NOT Values (NV)** 

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

**Pertinent Negatives (PN)** 

8801013 - No Known Drug Allergy 8801019 - Refused 8801023 - Unable to Complete

8801021 - Unresponsive

**Code Type** 

9924001 - ICD-10 9924003 - RxNorm

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Constraints

### **Pattern**

(Z88\.[0-9])|([a-zA-Z0-9]{2,7})

### **Data Element Comment**

The list of medication allergies is based on RxNorm (RXCUI) Codes. In addition, a specific list of ICD-10 CM codes can be used for medication groups.

Reference the NEMSIS Suggested Lists at: <a href="https://nemsis.org/technical-resources/version-3/version-3-resource-repository/">https://nemsis.org/technical-resources/version-3/version-3-resource-repository/</a>

Code list is represented in two separate UMLS datasets:

- 1) ICD-10 Codes.
- 2) RxNorm

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

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

Product - RxNorm Full Monthly Release

Rule ID	Level	Message
nemSch_e001	Error	When Medication Allergies is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Medication Allergies has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B Error	When Medication Allergies has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Medication Allergies has a Not Value, no other value should be recorded.
nemSch_e010	) Warning	When Medication Allergies has a Pertinent Negative, no other value should be recorded.

# eHistory.07 - Environmental/Food Allergies

# Definition

The patient's known allergies to food or environmental agents.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Constraints

### **Data Element Comment**

Data Element Comment Section:

Code list is represented in SNOMEDCT. Reference the NEMSIS Suggested Lists at: <a href="https://nemsis.org/technical-resources/version-3/version-3-resource-repository/">https://nemsis.org/technical-resources/version-3/version-3-resource-repository/</a>

### **SNOMEDCT**

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed\_main.html

Product: Product - UMLS Metathesaurus

State

# eHistory.08 - Medical/Surgical History

### Definition

The patient's pre-existing medical and surgery history of the patient.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

**NOT Values (NV)** 

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

**Pertinent Negatives (PN)** 

8801015 - None Reported 8801019 - Refused 8801023 - Unable to Complete

8801021 - Unresponsive

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Constraints

### **Pattern**

([A-QRSTUZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,3})?)|[0-9A-HJ-NP-Z]{3,7}

### **Data Element Comment**

The Medical/Surgical History pattern has been extended to include ICD-10-CM: Diagnosis Codes and ICD-10-PCS: Procedural Health Intervention Codes.

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

Please reference the NEMSIS Suggested Lists at:

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

ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character).

The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. There are no decimals in ICD-10-PCS.

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a> Product - UMLS Metathesaurus

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	When Medical/Surgical History is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	)2 <mark>Error</mark>	When Medical/Surgical History has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	When Medical/Surgical History has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e00	9 Warning	When Medical/Surgical History has a Not Value, no other value should be recorded.
nemSch_e01	I0 Warning	When Medical/Surgical History has a Pertinent Negative, no other value should be recorded.

# eHistory.09 - Medical History Obtained From

# Definition

Type of person medical history obtained from.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_11	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

**Code** Description 3109001 Bystander/Other

3109003 Family

3109005 Health Care Personnel

3109007 Patient

eHistory.10 NEMSIS Version 3.5.1.240701CR1

# eHistory.10 - The Patient's Type of Immunization

# Definition

# The immunization type of the patient.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E12_12	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

# Pertinent Negatives (PN) 8801025 - Not Immunized

# Code List

Code	Description
9910001	Anthrax
9910003	Cholera
9910005	DPT / TDaP (Diphtheria, Pertussis, Tetanus)
9910007	Hemophilus Influenza B
9910009	Hepatitis A
9910011	Hepatitis B
9910013	Human Papilloma Virus (HPV)
9910015	Influenza-H1N1
9910017	Influenza-Other
9910019	Influenza-Seasonal (In past 12 months)
9910021	Lyme Disease
9910023	Meningococcus
9910025	MMR (Measles, Mumps, Rubella)
9910027	Other-Not Listed
9910029	Plague
9910031	Pneumococcal (Pneumonia)
9910033	Polio
9910035	Rabies
9910037	Rotavirus
9910039	Shingles
9910041	Small Pox
9910043	Tetanus
9910045	Tuberculosis
9910047	Typhoid
9910049	Varicella (Chickenpox)
9910051	Yellow Fever
9910053	None

# eHistory.11 - Immunization Year

# Definition

The year associated with each immunization type.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_13	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

eHistory.12

State

# eHistory.12 - Current Medications

### Definition

The medications the patient currently takes.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_14	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

**NOT Values (NV)** 

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

**Pertinent Negatives (PN)** 

8801015 - None Reported 8801019 - Refused 8801021 - Unresponsive

8801023 - Unable to Complete

### Constraints

Data Type minLength maxLength

string 2 9

### **Data Element Comment**

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

### **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

Rule ID Level	Message
nemSch_e001 Error	When Current Medications is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Current Medications has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008 Error	When Current Medications has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# eHistory.13 - Current Medication Dose

# Definition

The numeric dose or amount of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_15	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypetotalDigitsfractionDigitsdecimal93

# Data Element Comment

Associated with eHistory.12 (Current Medications)

# eHistory.14 - Current Medication Dosage Unit

# Definition

The dosage unit of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_16	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
3114001	Centimeters (cm)
3114003	Grams (gms)
3114005	Drops (gtts)
3114007	Inches (in)
3114009	International Units (IU)
3114011	Keep Vein Open (kvo)
3114013	Liters Per Minute (I/min [fluid])
3114015	Liters (I)
3114017	Liters Per Minute (LPM [gas])
3114019	Micrograms (mcg)
3114021	Micrograms per Kilogram per Minute (mcg/kg/min)
3114023	Micrograms per Minute (mcg/min)
3114025	Milliequivalents (mEq)
3114027	Metered Dose (MDI)
3114029	Milligrams (mg)
3114031	Milligrams per Kilogram (mg/kg)
3114033	Milligrams per Kilogram Per Minute (mg/kg/min)
3114035	Milligrams per Minute (mg/min)
3114037	Milliliters (ml)
3114039	Milliliters per Hour (ml/hr)
3114041	Other
3114043	Puffs
3114045	Units per Hour (units/hr)
3114047	Micrograms per Kilogram (mcg/kg)
3114049	Units
3114051	Units per Kilogram per Hour (units/kg/hr)
3114053	Units per Kilogram (units/kg)

eHistory.15

# eHistory.15 - Current Medication Administration Route

# Definition

The administration route (po, SQ, etc.) of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_17	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
9927001	Blow-By
9927003	Buccal
9927005	Endotracheal Tube (ET)
9927007	Gastrostomy Tube
9927009	Inhalation
9927011	Intraarterial
9927013	Intradermal
9927015	Intramuscular (IM)
9927017	Intranasal
9927019	Intraocular
9927021	Intraosseous (IO)
9927023	Intravenous (IV)
9927025	Nasal Cannula
9927027	Nasogastric
9927029	Nasotracheal Tube
9927031	Non-Rebreather Mask
9927033	Ophthalmic
9927035	Oral
9927037	Other/miscellaneous
9927039	Otic
9927041	Re-breather mask
9927043	Rectal
9927045	Subcutaneous
9927047	Sublingual
9927049	Topical
9927051	Tracheostomy
9927053	Transdermal
9927055	Urethral
9927057	Ventimask
9927059	Wound
9927061	Portacath
9927063	Auto Injector
9927065	BVM
9927067	CPAP
9927069	IV Pump
9927071	Nebulizer
9927073	Umbilical Artery Catheter
9927075	Umbilical Venous Catheter

# eHistory.20 - Current Medication Frequency

# Definition

The frequency of administration of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

<b>Code</b> 3120001	<b>Description</b> q1h (every hour)
3120003	q2h (every 2 hours)
3120005	q3h (every 3 hours)
3120007	q4h (every 4 hours)
3120009	qid (four times a day)
3120011	tid (three times a day)
3120013	ac (before meals)
3120015	pc (after meals)
3120017	bid (twice a day)
3120019	qd (every day)
3120021	qd-am (every day in the morning)
3120023	qd-pm (every day in the evening)
3120025	hs (at bedtime)
3120027	qod (every other day)
3120029	prn (as needed)

eHistory.16 NEMSIS Version 3.5.1.240701CR1

# eHistory.16 - Presence of Emergency Information Form

# Definition

Indication of the presence of the Emergency Information Form associated with patient's with special healthcare needs.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_18	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

**Code** 9923001 Description

No 9923003 Yes

State

**National** 

# eHistory.17 - Alcohol/Drug Use Indicators

### Definition

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

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

# Associated Performance Measure Initiatives

### Trauma

### Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

8801015 - None Reported 8801023 - Unable to Complete

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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
3117013	Physical Exam Indicates Suspected Alcohol or Drug Use
3117015	Bystander/Family reports Drug Use
3117017	Bystander/Family reports Alcohol Use

### Data Element Comment

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When Alcohol/Drug Use Indicators has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B 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).
nemSch_e009	Warning	When Alcohol/Drug Use Indicators has a Not Value, no other value should be recorded.
nemSch_e010	) Warning	When Alcohol/Drug Use Indicators has a Pertinent Negative, no other value should be recorded.

eHistory.18 NEMSIS Version 3.5.1.240701CR1

# eHistory.18 - Pregnancy

# Definition

Indication of the possibility by the patient's history of current pregnancy.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E12_20	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

# Attributes

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

# Code List

Code	Description
3118001	No
3118003	Possible, Unconfirmed
3118005	Yes, Confirmed 12 to 20 Weeks
3118007	Yes, Confirmed Greater Than 20 Weeks
3118009	Yes, Confirmed Less Than 12 Weeks
3118011	Yes. Weeks Unknown

# **Data Element Comment**

Rule ID	Level	Message
nemSch_e00	1 Error	When Pregnancy is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	8 Error	When Pregnancy has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# eHistory.19 - Last Oral Intake

# Definition

### Date and Time of last oral intake.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

### **Pattern**

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

# **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(required) represents the timezone (as described below)

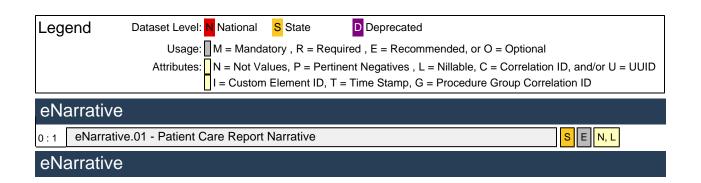
Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

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 last oral intake.

# **eNarrative**



eNarrative.01

State

# eNarrative.01 - Patient Care Report Narrative

### Definition

The narrative of the patient care report (PCR).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element E13_01		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

NOT Values (NV)

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

Constraints

Data TypeminLengthmaxLengthstring110000

# **Data Element Comment**

### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error When Patient Care Report Narrative is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, 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\_e002 Error When Patient Care Report Narrative has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

# **eVitals**

egend	Dataset Level: National S State Deprecated  Usage: M = Mandatory, R = Required, E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives, L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Corre	on ID, and/or U = UUID
Vitals	3	
м eVi	tals.VitalGroup	C
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 C
	1:1 eVitals.04 - ECG Type	N S R N, L
	1: M eVitals.05 - Method of ECG Interpretation	N S R N, L C
1:1	eVitals.BloodPressureGroup	
	1:1 eVitals.06 - SBP (Systolic Blood Pressure)	N S R N, L, P
	0:1 eVitals.07 - DBP (Diastolic Blood Pressure)	S E N, L, P
	0:1 eVitals.08 - Method of Blood Pressure Measurement	S E N, L
	0:1 eVitals.09 - Mean Arterial Pressure	0
1:1	eVitals.HeartRateGroup	
	1:1 eVitals.10 - Heart Rate	N S R N, L, P
	0:1 eVitals.11 - Method of Heart Rate Measurement	0
1:1	eVitals.12 - Pulse Oximetry	N S R N, L, P
0:1	eVitals.13 - Pulse Rhythm	0
1:1	eVitals.14 - Respiratory Rate	N S R N, L, P
0 : 1	eVitals.15 - Respiratory Effort	0
1:1	eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	N S R N, L, P
0 : 1	eVitals.17 - Carbon Monoxide (CO)	S E 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 C
	0:1 eVitals.23 - Total Glasgow Coma Score	S E N, L, P
0:1	eVitals.TemperatureGroup	
	0:1 eVitals.24 - Temperature	S E N, L, P
	0:1 eVitals.25 - Temperature Method	0

\ <del>1:1</del>	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,	
	0:1 eVitals.28 - Pain Scale Type	S E N, L	
1:1	eVitals.StrokeScaleGroup		
	1:1 eVitals.29 - Stroke Scale Score	N S R N, L,	
	1:1 eVitals.30 - Stroke Scale Type	N S R N, L	
	0 : 1 eVitals.34 - Stroke Severity Score	E N, L, P	
1:1	eVitals.31 - Reperfusion Checklist	N S R N, L, P	
0:1	eVitals.32 - APGAR	O L, P	
0 : 1	eVitals.33 - Revised Trauma Score		

eVitals.01

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** 

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

### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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

nemSch\_e001 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).

nemSch_e002 Error	When Date/Time Vital Signs Taken has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e125 Warning	Date/Time Vital Signs Taken should be recorded, unless Obtained Prior to this Unit's EMS Care is "Yes".
nemSch_e126 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".
nemSch_e127 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".
nemSch_e128 Warning	Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e129 Warning	Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.
nemSch_e130 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".

NEMSIS Version 3.5.1.240701CR1 eVitals.02

State

**National** 

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

### Definition

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

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

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

# Attributes

### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

# Code List

Code Description

9923001 No 9923003 Yes

# **Data Element Comment**

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

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 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.
nemSch_e125 Warning	Date/Time Vital Signs Taken should be recorded, unless Obtained Prior to this Unit's EMS Care is "Yes".
nemSch_e126 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".
nemSch_e127 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".
nemSch_e128 Warning	Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e129 Warning	Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.
nemSch_e130 Warning	Date/Time Vital Signs Taken should not be later than Arrived at Patient Date/Time when Obtained Prior to this Unit's EMS Care is "Yes".

eVitals.03

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# 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
9901030	Non-STEMI Septal 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
9901058	STEMI Septal Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation

# Data Element Comment

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B 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).
nemSch_e009	) Warning	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value, no other value should be recorded.
nemSch_e010	) <mark>Warning</mark>	When Cardiac Rhythm / Electrocardiography (ECG) has a Pertinent Negative, no other value should be recorded.
nemSch_e087	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI".
nemSch_e173	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI".

State

**National** 

#### eVitals.04 - ECG Type

#### Definition

The type of ECG associated with the cardiac rhythm.

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

#### Associated Performance Measure Initiatives

STEMI

#### **Attributes**

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

	_	_	_
Code	Desc	rin	tion.

3304000 2 Lead ECG (pads or paddles)

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

#### **Data Element Comment**

#### Version 3 Changes Implemented

Added to better document ECG results.

#### Associated Validation Rules

Dula ID	Laval	M
Rule ID	l evel	Message

nemSch\_e001 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).

nemSch\_e002 Error When ECG Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be

empty.

State

**National** 

#### eVitals.05 - Method of ECG Interpretation

#### Definition

The method of ECG interpretation.

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

## Associated Performance Measure Initiatives

STEM

#### Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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.

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Method of ECG Interpretation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Method of ECG Interpretation has a Not Value, no other value should be recorded.

State

**National** 

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

#### Definition

The patient's systolic blood pressure.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

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

#### Constraints

Data Type minInclusive maxInclusive

integer 0 500

#### Data Element Comment

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

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	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).
nemSch_e00	02 <mark>Error</mark>	When SBP (Systolic Blood Pressure) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	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).

State

#### eVitals.07 - DBP (Diastolic Blood Pressure)

#### Definition

The patient's diastolic blood pressure.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_05	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

**Pertinent Negatives (PN)** 

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

#### Constraints

#### **Pattern**

[5][0][0]|[1-4][0-9][0-9]|[0-9]|[1-9][0-9]|P|p

#### Data Element Comment

Diastolic blood pressure pattern allows for the following values:

1) A number 0 through 500

2) P

3) p

Rule ID	Level	Message
nemSch_e00	1 Error	When DBP (Diastolic 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).
nemSch_e00	2 <mark>Error</mark>	When DBP (Diastolic Blood Pressure) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 Error	When DBP (Diastolic 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).

State

#### eVitals.08 - Method of Blood Pressure Measurement

#### Definition

Indication of method of blood pressure measurement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Attributes

#### NOT Values (NV)

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

#### 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**

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Method of Blood Pressure Measurement has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### eVitals.09 - Mean Arterial Pressure

#### Definition

#### The patient's mean arterial pressure.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusiveinteger1500

# Data Element Comment

# Version 3 Changes Implemented

Added for additional patient monitoring capability.

eVitals.10 NEMSIS Version 3.5.1.240701CR1

**National** 

#### eVitals.10 - Heart Rate

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

**NOT Values (NV)** 

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

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

#### Constraints

**Data Type** minInclusive maxInclusive

integer 500

#### **Data Element Comment**

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

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 <mark>Error</mark>	When Heart Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 <mark>Error</mark>	When Heart Rate has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# eVitals.11 - Method of Heart Rate Measurement

#### Definition

The method in which the Heart Rate was measured. Values include auscultated, palpated, electronic monitor.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code	Description
3311001	Auscultated
3311003	Doppler
3311005	Electronic Monitor - Cardiac
3311007	Electronic Monitor - Pulse Oximeter
3311009	Electronic Monitor (Other)
3311011	Palpated

#### **Data Element Comment**

This data element was added when Pulse Rate and Electronic Monitor Rate were merged as EVitals.10.

#### Version 3 Changes Implemented

This data element was added when Pulse Rate and Electronic Monitor Rate were merged as EVitals.10.

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**

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 <mark>Error</mark>	When Pulse Oximetry has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 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.13 - Pulse Rhythm

#### Definition

# The clinical rhythm of the patient's pulse.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E14_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescription3313001Irregularly Irregular3313003Regular3313005Regularly Irregular

Data Element Comment

State

**National** 

#### eVitals.14 - Respiratory Rate

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

**NOT Values (NV)** 

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

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

#### Constraints

Data Type minInclusive maxInclusive

integer 0 300

#### Data Element Comment

-			
	Rule ID	Level	Message
	nemSch_e001	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).
	nemSch_e002	2 Error	When Respiratory Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
	nemSch_e008	Error 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.15 - Respiratory Effort

# Definition

# The patient's respiratory effort.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E14_12	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
3315001	Apneic
3315003	Labored
3315005	Mechanically Assisted (BVM, CPAP, etc.)
3315007	Normal
3315009	Rapid
3315011	Shallow
3315013	Weak/Agonal

# Data Element Comment

State

**National** 

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

#### Definition

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

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

ETCO2Type

3340001 - mmHg 3340003 - Percentage 3340005 - kPa

#### Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	4	1	0	760

#### **Data Element Comment**

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When End Tidal Carbon Dioxide (ETCO2) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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).
nemSch_e131	Warning	End Tidal Carbon Dioxide (ETCO2) should be no more than 100 when ETCO2 Type is "Percentage".
nemSch_e132	Warning	End Tidal Carbon Dioxide (ETCO2) should be no more than 100 when ETCO2 Type is "kPa".
nemSch_e133	Warning	End Tidal Carbon Dioxide (ETCO2) should be an integer when ETCO2 Type is "mmHg".
nemSch_e134	Warning	ETCO2 Type should be recorded when End Tidal Carbon Dioxide (ETCO2) is recorded.

State

#### eVitals.17 - Carbon Monoxide (CO)

#### Definition

The numeric value of the patient's carbon monoxide level measured as a percentage (%) of carboxyhemoglobin (COHb).

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Constraints

Data Type	minInclusive	maxInclusive	totalDigits	fractionDigits
decimal	0	100	3	1

# **Data Element Comment**

#### Version 3 Changes Implemented

Added to allow use of new patient monitoring devices.

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	When Carbon Monoxide (CO) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	)2 <mark>Error</mark>	When Carbon Monoxide (CO) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	When Carbon Monoxide (CO) 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

#### Pattern

#### **Data Element Comment**

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Blood Glucose Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 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).

State

**National** 

#### 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	Code	Description
------------------	------	-------------

- No eye movement when assessed (All Age Groups)
   Opens Eyes to painful stimulation (All Age Groups)
   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).

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	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).
nemSch_e00	02 <mark>Error</mark>	When Glasgow Coma Score-Eye has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	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).

State

**National** 

#### 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

Cod	е	Desc	rip	otior	١

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).

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Glasgow Coma Score-Verbal has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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).

State

**National** 

#### 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).

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When Glasgow Coma Score-Motor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B 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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### 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).

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Glasgow Coma Score-Qualifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Glasgow Coma Score-Qualifier has a Not Value, no other value should be recorded.
nemSch_e135 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.

State

#### eVitals.23 - Total Glasgow Coma Score

#### Definition

The patient's total Glasgow Coma Score.

National Element No F		Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_19	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

**NOT Values (NV)** 

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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Constraints

Data Type minInclusive maxInclusive

integer 3 15

#### Data Element Comment

Can be documented or calculated from EVitals.19 (GCS-Eye), EVitals.20 (GCS-Verbal), and EVitals.21 (GCS-Motor).

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	When Total Glasgow Coma 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).
nemSch_e00	02 <mark>Error</mark>	When Total Glasgow Coma Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 Error	When Total Glasgow Coma 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

#### eVitals.24 - Temperature

#### Definition

The patient's body temperature in degrees Celsius/centigrade.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_20	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Associated Performance Measure Initiatives

Pediatric

#### Attributes

NOT Values (NV)

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

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	3	1	0	50

## Data Element Comment

Rule ID	Level	Message
nemSch_e001	Error	When Temperature is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Temperature has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B Error	When Temperature has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# eVitals.25 - Temperature Method

#### Definition

The method used to obtain the patient's body temperature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E14_21	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
3325001	Axillary
3325003	Central (Venous or Arterial)
3325005	Esophageal
3325007	Oral
3325009	Rectal
3325011	Temporal Artery
3325013	Tympanic
3325015	Urinary Catheter
3325017	Skin Probe

# Data Element Comment

State

**National** 

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

#### Definition

The patient's highest level of responsiveness.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 770

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.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 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.

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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).
nemSch_e00	02 Error	When Pain Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	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

#### eVitals.28 - Pain Scale Type

#### Definition

#### The type of pain scale used.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Code List

Code Description

3328001 FLACC (Face, Legs, Activity, Cry, Consolability)

3328003 Numeric (0-10)

3328005 Other

3328007 Wong-Baker (FACES)

#### **Data Element Comment**

#### Version 3 Changes Implemented

Added to better document the patient's pain level.

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Pain 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).
nemSch_e002	2 Error	When Pain Scale Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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**

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Stroke Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B 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).
nemSch_e086	6 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Score is "Positive".
nemSch_e172	2 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

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**National** 

# eVitals.30 - Stroke Scale Type

#### Definition

#### The type of stroke scale used.

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

## Associated Performance Measure Initiatives

Stroke

#### Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Description
Cincinnati Prehospital Stroke Scale (CPSS)
Los Angeles Prehospital Stroke Screen (LAPSS)
Massachusetts Stroke Scale (MSS)
Miami Emergency Neurologic Deficit Exam (MEND)
NIH Stroke Scale (NIHSS)
Other Stroke Scale Type
FAST
Boston Stroke Scale (BOSS)
Ontario Prehospital Stroke Scale (OPSS)
Melbourne Ambulance Stroke Screen (MASS)
Rapid Arterial oCclusion Evaluation (RACE)
Los Angeles Motor Score (LAMS)
Vision, Aphasia, Neglect (VAN)
FAST-ED
BEFAST

#### Data Element Comment

#### Version 3 Changes Implemented

Added to include additional detail on the stroke scale used.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Stroke Scale Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# NEMSIS Version 3.5.1.240701CR1

eVitals.34 - Stroke Severity Score

# Definition

The stroke severity value associated with the stroke scale type listed in eVitals.30.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Stroke

#### Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 8801023 - Unable to Complete

#### Constraints

Data Type integer minInclusive maxInclusive

42

#### Data Element Comment

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	When Stroke Severity 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).
nemSch_e00	02 <mark>Error</mark>	When Stroke Severity Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	When Stroke Severity 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.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

Rule ID	Level	Message
nemSch_e00 <sup>2</sup>	1 <mark>Error</mark>	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).
nemSch_e002	2 Error	When Reperfusion Checklist has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	8 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).

#### eVitals.32 - APGAR

#### Definition

The patient's total APGAR score (0-10).

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E14_26	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

#### Attributes

Pertinent Negatives (PN) 8801023 - Unable to Complete

#### Constraints

**Data Type** minInclusive maxInclusive integer 10

#### Data Element Comment

Recommended to be taken at 1 and 5 minutes after the infants birth

Rule ID	Level	Message
nemSch_e00	)1 <mark>Error</mark>	When APGAR is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	08 Error	When APGAR has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# eVitals.33 - Revised Trauma Score

#### Definition

#### The patient's Revised Trauma Score.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E14_27	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

#### Associated Performance Measure Initiatives

Trauma

#### Attributes

#### **Pertinent Negatives (PN)**

8801019 - Refused

8801023 - Unable to Complete

#### Constraints

Data Type minInclusive maxInclusive

integer 0 12

#### **Data Element Comment**

The Unweighted Revised Trauma Score is a physiological scoring system that is based on the first set of vital signs obtained from the patient, and consists of Glasgow Coma Scale, Systolic Blood Pressure and Respiratory Rate.

#### Associated Validation Rules

Rule ID	Level	Message

nemSch\_e001 Error When Revised Trauma Score is empty, it should have a Not Value (Not Applicable, Not

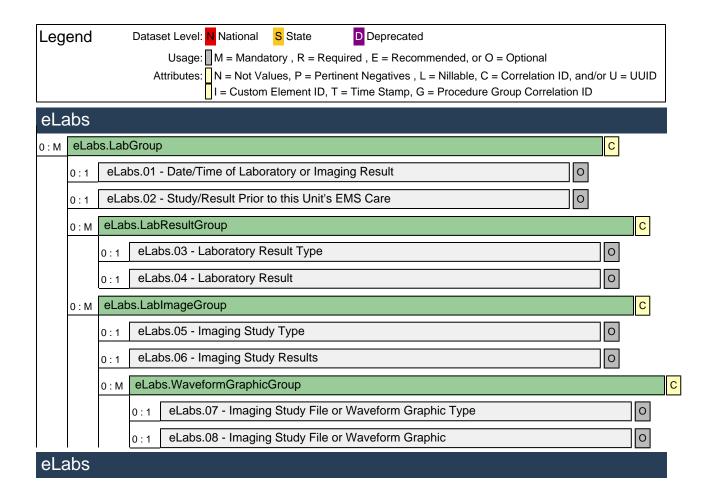
Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the

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

nemSch\_e008 Error When Revised Trauma Score has a Pertinent Negative, it should be empty and it should not

have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# eLabs



eLabs.01

# eLabs.01 - Date/Time of Laboratory or Imaging Result

#### Definition

The date and time for the specific laboratory result.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### **Pattern**

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

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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 patient care.

eLabs.02

## eLabs.02 - Study/Result Prior to this Unit's EMS Care

#### Definition

Indicates that the laboratory result occurred prior to this EMS units care.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code Description

9923001 No 9923003 Yes

#### **Data Element Comment**

#### Version 3 Changes Implemented

Added to better document EMS care.

# eLabs.03 - Laboratory Result Type

# Definition

# The type of the laboratory value.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code	Description
3403001	Alanine Transaminase
3403003	Alcohol-Blood
3403005	Alcohol-Breath
3403007	Alkaline Phosphatase
3403009	Amylase
3403013	Aspartate Transaminase
3403015	B-Type Natriuretic Peptide (BNP)
3403017	Base Excess
3403019	Bilirubin-Direct
3403021	Bilirubin-Total
3403023	BUN
3403025	Calcium-Ionized
3403027	Calcium-Serum
3403029	Carbon Dioxide-Partial Pressure
3403033	Chloride
3403035	Creatine Kinase
3403037	Creatine Kinase-MB
3403039	Creatinine
3403041	Gamma Glutamyl Transpeptidase
3403043	Glucose
3403045	Hematocrit
3403047	Hemoglobin
3403049	Human Chorionic Gonadotropin-Serum
3403051	Human Chorionic Gonadotropin-Urine
3403053	International Normalized Ratio (INR)
3403055	Lactate Dehydrogenase
3403057	Lactate-Arterial
3403059	Lactate-Venous
3403061	Lipase
3403063	Magnesium
3403065	Oxygen-Partial Pressure
3403067	Partial Thromboplastin Time
3403071	pH-ABG
3403073	pH-Venous
3403075	Platelets
3403077	Potassium
3403079	Prothrombin Time
3403081	Red Blood Cells
3403083	Sodium
3403085	Troponin
3403087	White Blood Cells
3403089	Ammonia
3403091	Bicarbonate (HCO3)
3403093	Carboxyhemoglobin
3403095	CO2, Total (Bicarbonate)
3403097	CRP (C-Reactive Protein)
3403099	Dilantin
3403101	Leukocytes
3403103	Nitrates
3403105	Phenobarbital
3/03107	Protein

3403107 Protein

3403109 Salicylate 3403111 Specific Gravity Tylenol 3403113 ACT Celite (ACTc) 3403115 ACT Kaolin (ACTk) 3403117 3403119 Bands 3403121 Basophils 3403123 Creatine Phosphokinase (CK) (DEPRECATED) 3403125 Eosinophils 3403127 Erythrocyte Count **Erythrocyte Morphology** 3403129 Erythrocyte Sedimentation Rate 3403131 3403133 High-Sensitivity C-reactive Protein (hs-CRP) 3403135 Lymphocytes Mean Corpuscular Hemoglobin (MCH) 3403137 Mean Corpuscular Hemoglobin Concentration (MCHC) 3403139 Mean Corpuscular Volume (MCV) 3403141 3403143 Monocytes 3403145 Myoglobin Neutrophils 3403147 3403149 Oxygen Saturation (SaO2) Oxygen Volume/Content (SVO2) 3403151 3403153 Phosphorus (PO4) Prothromblin test time (PT/INR) 3403155 Red Cell Distribution Width (RDW) 3403157 3403159 Reticulocyte Count 3403161 Troponin T (cTnT)

#### **Data Element Comment**

#### Version 3 Changes Implemented

Added to provide for the documentation of laboratory results obtained prior to or during and EMS patient encounter.

eLabs.04

# eLabs.04 - Laboratory Result

### Definition

The value or result of the laboratory test (Units may vary).

National Element	No	No Pertinent Negatives (PN)	
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	1	50

# Data Element Comment

# Version 3 Changes Implemented

Added to better document EMS care.

eLabs.05

# eLabs.05 - Imaging Study Type

### Definition

# The type of x-ray or imaging study.

National Element	No	No Pertinent Negatives (PN)	
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
3405001	Computed tomography (CT) scan
3405003	Magnetic Resonance Imaging (MRI)
3405005	Other
3405007	Positron emission tomography (PET) scan
3405009	Ultrasound
3405011	X-ray
3405013	Angiography

# Data Element Comment

# Version 3 Changes Implemented

Added to better describe the EMS patient care.

### eLabs.06 - Imaging Study Results

### Definition

The description or interpretation of the results of the imaging study.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

Data TypeminLengthmaxLengthstring35000

# Data Element Comment

# Version 3 Changes Implemented

Added to better describe the EMS Patient Care

eLabs.07

#### eLabs.07 - Imaging Study File or Waveform Graphic Type

#### Definition

The description of the image study file or waveform graphic stored in Imaging Study File or Waveform Graphic (eLabs.08).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

#### Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d\_image

Raster Image formats: http://www.fileinfo.com/filetypes/raster\_image Vector Image formats: http://www.fileinfo.com/filetypes/vector\_image

Video formats: http://www.fileinfo.com/filetypes/video Audio formats: http://www.fileinfo.com/filetypes/audio

#### Comparison of formats:

Image: http://en.wikipedia.org/wiki/Comparison\_of\_image\_file\_formats

Audio: http://en.wikipedia.org/wiki/Audio\_file\_format

Container: http://en.wikipedia.org/wiki/Comparison\_of\_container\_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image\_file\_formats

Mime Types: http://en.wikipedia.org/wiki/Internet\_media\_type

eLabs.08

## eLabs.08 - Imaging Study File or Waveform Graphic

### Definition

#### The imaging study file.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

#### Constraints

# **Data Type** base64Binary

### Data Element Comment

Added to allow the imaging file to be uploaded and better document patient care.



Leg	end	Dataset Level: National S State Deprecated  Usage: M = Mandatory, R = Required, E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives, L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation	on ID, and/or U = UUID		
eEx	xam				
0:1	еEх	am.01 - Estimated Body Weight in Kilograms	S E N, L, P		
0:1	eEx	am.02 - Length Based Tape Measure	S E N, L, P		
0 : M	eExa	am.AssessmentGroup	С		
	0:1	eExam.03 - Date/Time of Assessment	0		
	0 : M	eExam.04 - Skin Assessment	OPC		
	0 : M	eExam.05 - Head Assessment	OPC		
	0 : M	eExam.06 - Face Assessment	O P C		
	0 : M	eExam.07 - Neck Assessment	O P C		
	0 : M	eExam.09 - Heart Assessment	O P C		
	0 : M	eExam.AbdomenGroup	C		
		0 : 1 eExam.10 - Abdominal Assessment Finding Location	0		
		0 : M eExam.11 - Abdomen Assessment	O P C		
	0 : M	eExam.12 - Pelvis/Genitourinary Assessment	O P C		
	0 : M	eExam.SpineGroup C			
		0 : 1 eExam.13 - Back and Spine Assessment Finding Location	0		
		0 : M eExam.14 - Back and Spine Assessment	O P C		
	0 : M	eExam.ExtremityGroup	C		
		0:1 eExam.15 - Extremity Assessment Finding Location	0		
		0 : M eExam.16 - Extremities Assessment	OPC		
	0 : M	eExam.EyeGroup	C		
		0:1 eExam.17 - Eye Assessment Finding Location	0		
		0 : M eExam.18 - Eye Assessment	OPC		
	0 : M	eExam.LungGroup	C		
		0 : 1 eExam.22 - Lung Assessment Finding Location	0		
		0 : M eExam.23 - Lung Assessment	O P C		
	0 : M	M eExam.ChestGroup C			
		0 : 1 eExam.24 - Chest Assessment Finding Location	0		
		0 : M eExam.25 - Chest Assessment	OPC		
	0 : M	eExam.19 - Mental Status Assessment	OPC		
	0 : M	eExam.20 - Neurological Assessment	O P C		
0:1	eEx	am.21 - Stroke/CVA Symptoms Resolved	S E N, L, P		

State

# eExam.01 - Estimated Body Weight in Kilograms

#### Definition

The patient's body weight in kilograms either measured or estimated.

National Element	No Pertinent Negatives (PN)		Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E16_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Pediatric

#### Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

Pertinent Negatives (PN)

8801023 - Unable to Complete

#### Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	4	1	0.1	999.9

#### Data Element Comment

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_e00	01 Error	When Estimated Body Weight in Kilograms is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	02 <mark>Error</mark>	When Estimated Body Weight in Kilograms has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 Error	When Estimated Body Weight in Kilograms has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

# eExam.02 - Length Based Tape Measure

#### Definition

The length-based color as taken from the tape.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E16_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Pediatric

#### Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

**Pertinent Negatives (PN)** 

8801019 - Refused

8801023 - Unable to Complete

#### Code List

Code	Description
3502001	Blue
3502003	Green
3502005	Grey
3502007	Orange
3502009	Pink
3502011	Purple
3502013	Red
3502015	White
3502017	Yellow

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_e00	1 Error	When Length Based Tape Measure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	2 Error	When Length Based Tape Measure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 <mark>Error</mark>	When Length Based Tape Measure has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

#### eExam.03 - Date/Time of Assessment

#### Definition

#### The date/time of the assessment.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E16_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Stroke Cardiac Arrest

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### **Pattern**

 $[0-9]\{4\}-[0-9]\{2\}-[0-9][2]-[0-9]-[0-9][2]-[0-9][2]-[0-9]-$ 

#### **Data Element Comment**

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

уууу	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	
Т	separator that indicates time-of-day follows	
hh	a two-digit numeral that represents the hour	
1:1	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	

#### eExam.04 - Skin Assessment

#### Definition

The assessment findings associated with the patient's skin.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_04	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3504001	Clammy
3504003	Cold
3504005	Cyanotic
3504007	Diaphoretic
3504009	Dry
3504011	Flushed
3504013	Hot
3504015	Jaundiced
3504017	Lividity
3504019	Mottled
3504021	Normal
3504023	Not Done
3504025	Pale
3504027	Poor Turgor
3504029	Red (Erythematous)
3504031	Tenting
3504033	Warm
3504035	Capillary Nail Bed Refill less than 2 seconds
3504037	Capillary Nail Bed Refill 2-4 seconds
3504039	Capillary Nail Bed Refill more than 4 seconds

#### **Data Element Comment**

Element eExam.04 - Skin Assessment represents Version 2.2.1 elements E15\_01 NHTSA Injury Matrix External/Skin and E16\_04 Skin Assessment. The element value choices have been combined and expanded.

#### eExam.05 - Head Assessment

#### Definition

The assessment findings associated with the patient's head.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_05	Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code Lis	t .
Code	Description
3505001	Abrasion
3505003	Avulsion
3505005	Bleeding Controlled
3505007	Bleeding Uncontrolled
3505009	Burn-Blistering
3505011	Burn-Charring
3505013	Burn-Redness
3505015	Burn-White/Waxy
3505017	Decapitation
3505019	Deformity
3505021	Drainage
3505023	Foreign Body
3505029	Laceration
3505031	Mass/Lesion
3505033	Normal
3505035	Not Done
3505037	Pain
3505039	Puncture/Stab Wound
3505045	Gunshot Wound
3505047	Crush Injury
3505049	Swelling
3505051	Contusion
3505053	Tenderness

#### **Data Element Comment**

Element eExam.05 - Head Assessment represents Version 2.2.1 elements E15\_02 NHTSA Injury Matrix Head and E16\_05 Head/Face Assessment. The element value choices have been combined and expanded.

# eExam.06 - Face Assessment

#### Definition

The assessment findings associated with the patient's face.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

	Code Lis	ode List		
	Code	Description		
	3506001	Abrasion		
	3506003	Asymmetric Smile or Droop		
	3506005	Avulsion		
	3506007	Bleeding Controlled		
	3506009	Bleeding Uncontrolled		
	3506011	Burn-Blistering		
	3506013	Burn-Charring		
	3506015	Burn-Redness		
	3506017	Burn-White/Waxy		
	3506021	Deformity		
	3506023	Drainage		
	3506025	Foreign Body		
	3506031	Laceration		
	3506033	Mass/Lesion		
	3506035	Normal		
	3506037	Not Done		
	3506039	Pain		
	3506041	Puncture/Stab Wound		
	3506047	Gunshot Wound		
	3506049	Crush Injury		
	3506051	Tenderness		
	3506053	Swelling		
	3506055	Contusion		
1				

#### Data Element Comment

Element eExam.06 - Face Assessment represents Version 2.2.1 element E15\_03 NHTSA Injury Matrix Face The element value choices have been expanded.

#### eExam.07 - Neck Assessment

#### Definition

The assessment findings associated with the patient's neck.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_06	Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

Pertinent Negatives (PN) 8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3507001	Abrasion
3507003	Avulsion
3507005	Bleeding Controlled
3507007	Bleeding Uncontrolled
3507009	Burn-Blistering
3507011	Burn-Charring
3507013	Burn-Redness
3507015	Burn-White/Waxy
3507017	Decapitation
3507019	Foreign Body
3507025	JVD
3507027	Laceration
3507029	Normal
3507031	Not Done
3507033	Pain
3507035	Puncture/Stab Wound
3507037	Stridor
3507039	Subcutaneous Air
3507045	Tracheal Deviation-Left
3507047	Tracheal Deviation-Right
3507049	Gunshot Wound
3507051	Crush Injury
3507053	Swelling
3507055	Contusion
3507057	Deformity
3507059	Tenderness

#### **Data Element Comment**

Element eExam.07 - Neck Assessment represents Version 2.2.1 elements E15\_04 NHTSA Injury Matrix Neck and E16\_06 Neck Assessment. The element value choices have been combined and expanded.

eExam.09 NEMSIS Version 3.5.1.240701CR1

## eExam.09 - Heart Assessment

#### Definition

The assessment findings associated with the patient's heart.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_08	Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

Pertinent Negatives (PN) 8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3509001	Clicks
3509003	Heart Sounds Decreased
3509005	Murmur-Diastolic
3509007	Murmur-Systolic
3509009	Normal
3509011	Not Done
3509013	Rubs
3509015	S1
3509017	S2
3509019	S3
3509021	S4

#### **Data Element Comment**

Element eExam.09 - Heart Assessment represents Version 2.2.1 element E16\_08 Heart Assessment. The element value choices have been expanded.

# eExam.10 - Abdominal Assessment Finding Location

#### Definition

The location of the patient's abdomen assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Description
Generalized
Left Lower Quadrant
Left Upper Quadrant
Periumbilical
Right Lower Quadrant
Right Upper Quadrant
Epigastric

#### Data Element Comment

"Element eExam.10 - Abdominal Assessment Finding Location represents Version 2.2.1 elements E15\_06 NHTSA Injury Matrix Abdomen AND E16\_09 Abdomen Left Upper Assessment, E16\_10 Abdomen Left Lower Assessment, E16\_11 Abdomen Right Upper Assessment, and E16\_12 Abdomen Right Lower Assessment. The element value choices have been combined and expanded."

#### eExam.11 - Abdomen Assessment

#### Definition

The assessment findings associated with the patient's abdomen.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code Lis	t .
Code	Description
3511001	Abrasion
3511003	Avulsion
3511005	Bleeding Controlled
3511007	Bleeding Uncontrolled
3511009	Bowel Sounds-Absent
3511011	Bowel Sounds-Present
3511013	Burn-Blistering
3511015	Burn-Charring
3511017	Burn-Redness
3511019	Burn-White/Waxy
3511021	Distention
3511023	Foreign Body
3511025	Guarding
3511031	Laceration
3511033	Mass/Lesion
3511035	Mass-Pulsating
3511037	Normal
3511039	Not Done
3511041	Pain
3511043	Pregnant-Palpable Uterus
3511045	Puncture/Stab Wound
3511051	Tenderness
3511053	Gunshot Wound
3511055	Crush Injury
3511057	Swelling
3511059	Contusion
3511061	Deformity
3511063	Rebound Tenderness
3511065	Rigidity

#### **Data Element Comment**

"Element eExam.11 - Abdomen Assessment represents Version 2.2.1 elements E15\_06 NHTSA Injury Matrix Abdomen AND E16\_09 Abdomen Left Upper Assessment, E16\_10 Abdomen Left Lower Assessment, E16\_11 Abdomen Right Upper Assessment, and E16\_12 Abdomen Right Lower Assessment. The element value choices have been combined and expanded."

# eExam.12 - Pelvis/Genitourinary Assessment

#### Definition

The assessment findings associated with the patient's pelvis/genitourinary.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_13	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3512001	Abrasion
3512003	Avulsion
3512005	Bleeding Controlled
3512007	Bleeding Uncontrolled
3512009	Bleeding-Rectal
3512011	Bleeding-Urethral
3512013	Bleeding-Vaginal
3512015	Burn-Blistering
3512017	Burn-Charring
3512019	Burn-Redness
3512021	Burn-White/Waxy
3512023	Deformity
3512025	Foreign Body
3512027	Genital Injury
3512033	Laceration
3512035	
3512037	
3512039	Not Done
3512041	Pain
3512043	
3512045	•
3512047	Penile Priapism/Erection
3512049	Pregnant-Crowning
3512051	Puncture/Stab Wound
3512057	Tenderness
3512059	Gunshot Wound
3512061	Crush Injury
3512063	Swelling
3512065	Contusion

#### **Data Element Comment**

Element eExam.12 - Pelvis/Genitourinary Assessment represents Version 2.2.1 elements E15\_09 NHTSA Injury Matrix Pelvis and E16\_13 GU Assessment. The element value choices have been combined and expanded.

### eExam.13 - Back and Spine Assessment Finding Location

#### Definition

The location of the patient's back and spine assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Code List

Code	Description
3513001	Back-General
3513003	Cervical-Left
3513005	Cervical-Midline
3513007	Cervical-Right
3513009	Lumbar-Left
3513011	Lumbar-Midline
3513013	Lumbar-Right
3513015	Thoracic-Left
3513017	Thoracic-Midline
3513019	Thoracic-Right
3513021	Sacral-Left
3513023	Sacral-Midline
3513025	Sacral-Right
3513027	Flank-Left
3513029	Flank-Right

#### **Data Element Comment**

Element eExam.14 - Back and Spine Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15\_07 Spine and E15\_05 Thorax AND E16\_14 Back Cervical Assessment, E16\_15 Back Thoracic Assessment, and E16\_16 Back Lumbar/Sacral Assessment. The element value choices have been combined and expanded.

## eExam.14 - Back and Spine Assessment

#### Definition

The assessment findings associated with the patient's spine (Cervical, Thoracic, Lumbar, and Sacral) and back exam.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_14	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3514001	Abrasion
3514003	Avulsion
3514005	Bleeding Controlled
3514007	Bleeding Uncontrolled
3514009	Burn-Blistering
3514011	Burn-Charring
3514013	Burn-Redness
3514015	Burn-White/Waxy
3514017	Deformity
3514019	Foreign Body
3514025	Laceration
3514027	Normal
3514029	Not Done
3514031	Pain
3514033	Pain with Range of Motion
3514035	Puncture/Stab Wound
3514041	Tenderness Costovertebral Angle
3514043	Tenderness Midline Spinous Process
3514045	Tenderness Paraspinous
3514047	Gunshot Wound
3514049	Crush Injury
3514051	Swelling
3514053	Contusion
3514055	Tenderness

#### **Data Element Comment**

Element eExam.14 - Back and Spine Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15\_07 Spine and E15\_05 Thorax AND E16\_14 Back Cervical Assessment, E16\_15 Back Thoracic Assessment, and E16\_16 Back Lumbar/Sacral Assessment. The element value choices have been combined and expanded.

# eExam.15 - Extremity Assessment Finding Location

### Definition

The location of the patient's extremity assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
3515001	Ankle-Left
3515003	Ankle-Right
3515005	Arm-Upper-Left
3515007	Arm-Upper-Right
3515009	Elbow-Left
3515011	Elbow-Right
3515013	Finger-2nd (Index)-Left
3515015	Finger-2nd (Index)-Right
3515017	Finger-3rd (Middle)-Left
3515019	Finger-3rd (Middle)-Right
3515021	Finger-4th (Ring)-Left
3515023	Finger-4th (Ring)-Right
3515025	Finger-5th (Smallest)-Left
3515027	Finger-5th (Smallest)-Right
3515029	Foot-Dorsal-Left
3515031	Foot-Dorsal-Right
3515033	Foot-Plantar-Left
3515035	Foot-Plantar-Right
3515037	Arm-Lower-Left
3515039	Arm-Lower-Right
3515041	Hand-Dorsal-Left
3515043	Hand-Dorsal-Right
3515045	Hand-Palm-Left
3515047	Hand-Palm-Right
3515049	Hip-Left
3515051	Hip-Right
3515053	Knee-Left
3515055	Knee-Right
3515057	Leg-Lower-Left
3515059	Leg-Lower-Right
3515061	Leg-Upper-Left
3515063	Leg-Upper-Right
3515065	Shoulder-Left
3515067	Shoulder-Right
3515069	Thumb-Left
3515071	Thumb-Right
3515073	Toe-1st (Big)-Left
3515075	Toe-1st (Big)-Right
3515077	Toe-2nd-Left
3515079	Toe-2nd-Right
3515081	Toe-3rd-Left
3515083	Toe-3rd-Right
3515085	Toe-4th-Left
3515087	Toe-4th-Right
3515089	Toe-5th (Smallest)-Left
3515091	Toe-5th (Smallest)-Right
3515093	Wrist-Left
3515095	Wrist-Right
3515097	Arm-Whole Arm and Hand-Left
3515099	Arm-Whole Arm and Hand-Right
3515101	Hand-Whole Hand-Left

3515103 Hand-Whole Hand-Right 3515105 Leg-Whole Leg-Left 3515107 Leg-Whole Leg-Right 3515109 Foot-Whole Foot-Left 3515111 Foot-Whole Foot-Right

#### **Data Element Comment**

Element eExam.16 - Extremities Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15\_08 Upper Extremities and E15\_10 Lower Extremities AND E16\_17 Extremities-Right Upper Assessment, E16\_18 Extremities-Right Lower Assessment, E16\_19 Extremities-Left Upper Assessment, and E16\_20 Extremities-Left Lower Assessment. The element value choices have been combined and expanded.

### eExam.16 - Extremities Assessment

#### Definition

The assessment findings associated with the patient's extremities.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_17	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

Pertinent Negatives (PN) 8801005 - Exam Finding Not Present

#### CorrelationID

3516095 Mottle

Data Type: string minLength: 2 maxLength: 255

### Code List

0000 2.0	' <b>`</b>
Code	Description
3516001	Abrasion
3516003	Amputation-Acute
3516005	Amputation-Previous
3516007	Avulsion
3516009	Bleeding Controlled
3516011	Bleeding Uncontrolled
3516013	Burn-Blistering
3516015	Burn-Charring
3516017	Burn-Redness
3516019	Burn-White/Waxy
3516021	Clubbing (of fingers)
3516023	Crush Injury
3516025	Deformity
3516027	Dislocation
3516029	Edema
3516031	Foreign Body
3516033	Fracture-Closed
3516035	Fracture-Open
3516041	Laceration
3516043	Motor Function-Abnormal/Weakness
3516045	Motor Function-Absent
3516047	Motor Function-Normal
3516049	Normal
3516051	Not Done
3516053	Pain
3516055	Paralysis
3516057	Pulse-Abnormal
3516059	Pulse-Absent
3516061	Pulse-Normal
3516063	Puncture/Stab Wound
3516065	Sensation-Abnormal
3516067	Sensation-Absent
3516069	Sensation-Normal Tenderness
3516075	Gunshot Wound
3516077 3516079	Swelling
3516073	Contusion
3516083	Arm Drift
3516085	Cool/Cold to touch
3516087	Cyanosis
3516089	Erythema/Flushing
3516091	Hot/Warm to touch
3516093	Lividity
2510000	Matta

#### Data Element Comment

Element eExam.16 - Extremities Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15\_08 Upper Extremities and E15\_10 Lower Extremities AND E16\_17 Extremities-Right Upper Assessment, E16\_18 Extremities-Right Lower Assessment, E16\_19 Extremities-Left Upper Assessment, and E16\_20 Extremities-Left Lower Assessment. The element value choices have been combined and expanded.

## eExam.17 - Eye Assessment Finding Location

#### Definition

The location of the patient's eye assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Code List

CodeDescription3517001Bilateral3517003Left3517005Right

#### **Data Element Comment**

Element eExam.17 - Eye Assessment Finding Location represents Version 2.2.1 elements E16\_21 Eyes-Left Assessment and E16\_22 Eyes-Right Assessment. The eye location value choices have been expanded.

### eExam.18 - Eye Assessment

#### Definition

The assessment findings of the patient's eye examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_21	Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code Lis	· ·
Code	Description
3518001	1-mm
3518003	2-mm
3518005	3-mm
3518007	4-mm
3518009	5-mm
3518011	6-mm
3518013	7-mm
3518015	8-mm or >
3518017	Blind
3518019	Cataract Present
3518021	Clouded
3518023	Deformity
3518025	Dysconjugate Gaze
3518027	Foreign Body
3518029	Glaucoma Present
3518031	Hyphema
3518033	Jaundiced Sclera
3518035	Missing
3518037	Non-Reactive
3518039	Not Done
3518041	Non-Reactive Prosthetic
3518043	Nystagmus Noted
3518045	Open Globe
3518047	PERRL
3518049	Pupil-Irregular/Teardrop
3518051	Reactive
3518053	Sluggish
3518055	Swelling
3518057	Contusion
3518059	Puncture/Stab Wound
3518061	Dilated  Pin Paint
3518063	Pin Point

### Data Element Comment

Element eExam.18 - Eye Assessment represents Version 2.2.1 elements E16\_21 Eyes-Left Assessment and E16\_22 Eyes-Right Assessment. The eye assessment value choices have been combined and expanded.

## eExam.22 - Lung Assessment Finding Location

### Definition

### The location of the patient's lung assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescription3522001Left3522003Right3522005Bilateral

eExam.23 NEMSIS Version 3.5.1.240701CR1

# eExam.23 - Lung Assessment

### Definition

The assessment findings associated with the patient's lungs.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

Pertinent Negatives (PN) 8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3523001	Breath Sounds-Absent
3523003	Breath Sounds-Decreased
3523005	Breath Sounds-Equal
3523007	Breath Sounds-Normal
3523009	Foreign Body
3523011	Increased Respiratory Effort
3523013	Normal
3523015	Not Done
3523017	Pain
3523019	Pain with Inspiration/Expiration
3523021	Rales
3523023	Rhonchi
3523025	Rhonchi/Wheezing
3523027	Stridor
3523029	Wheezing-Expiratory
3523031	Wheezing-Inspiratory

# eExam.24 - Chest Assessment Finding Location

### Definition

# The location of the patient's chest assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
3524001	Left - Anterior
3524003	Left - Posterior (DEPRECATED)
3524005	Right - Anterior
3524007	Right - Posterior (DEPRECATED)
3524009	General - Anterior
3524011	General - Posterior
3524013	Left - Side
3524015	Right - Side

eExam.25 NEMSIS Version 3.5.1.240701CR1

### eExam.25 - Chest Assessment

### Definition

The assessment findings associated with the patient's chest.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

Pertinent Negatives (PN) 8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

Code	Description
3525001	Abrasion
3525003	Avulsion
3525005	Accessory Muscles Used with Breathing
3525007	Bleeding Controlled
3525009	Bleeding Uncontrolled
3525011	Burn-Blistering
3525013	Burn-Charring
3525015	Burn-Redness
3525017	Burn-White/Waxy
3525019	Crush Injury
3525021	Deformity
3525023	Flail Segment
3525025	Implanted Device
3525027	Laceration
3525029	Normal
3525031	Not Done
3525033	Pain
3525035	Pain with Inspiration/Expiration
3525037	Puncture/Stab Wound
3525039	Retraction
3525041	Tenderness
3525043	Gunshot Wound
3525045	Swelling
3525047	
3525049	Tenderness-General (DEPRECATED)

# eExam.19 - Mental Status Assessment

#### Definition

The assessment findings of the patient's mental status examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_23	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Associated Performance Measure Initiatives

Cardiac Arrest Stroke

#### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Description
Combative
Confused
Hallucinations
Normal Baseline for Patient
Not Done
Oriented-Person
Oriented-Place
Oriented-Event
Oriented-Time
Unresponsive
Agitation
Somnolent
Stupor
Altered mental status, unspecified
Developmentally Impaired
Disorientation, unspecified
Pharmacologically Paralyzed
Pharmacologically Sedated
Psychologically Impaired
Slowness and poor responsiveness
State of emotional shock and stress, unspecified
Strange and inexplicable behavior
Uncooperative
Unspecified coma

#### **Data Element Comment**

Element eExam.19 - Mental Status Assessment represents Version 2.2.1 element E16\_23 Mental Status Assessment. The element value choices have been expanded.

# eExam.20 - Neurological Assessment

#### Definition

The assessment findings of the patient's neurological examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_24	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Associated Performance Measure Initiatives

Cardiac Arrest Stroke

#### Attributes

#### **Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
3520001	Aphagia
3520003	Aphasia
3520005	Cerebellar Function-Abnormal
3520007	Cerebellar Function-Normal
3520009	Decerebrate Posturing
3520011	Decorticate Posturing
3520013	Gait-Abnormal
3520015	Gait-Normal
3520017	Hemiplegia-Left
3520019	Hemiplegia-Right
3520021	Normal Baseline for Patient
3520023	Not Done
3520026	Status Seizure
3520055	Other Seizures
3520027	Speech Normal
3520029	Speech Slurring
3520031	Strength-Asymmetric
3520033	Strength-Normal
3520035	Strength-Symmetric
3520037	Tremors
3520039	Weakness-Facial Droop-Left
3520041	Weakness-Facial Droop-Right
3520043	Weakness-Left Sided
3520045	Weakness-Right Sided
3520051	Arm Drift-Left
3520053	Arm Drift-Right

#### **Data Element Comment**

Element eExam.20 - Neurological Assessment represents Version 2.2.1 element E16\_24 Neurological Assessment. The element value choices have been expanded.

# eExam.21 - Stroke/CVA Symptoms Resolved

#### Definition

Indication if the Stroke/CVA Symptoms resolved and when.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Associated Performance Measure Initiatives

Stroke

#### Attributes

NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Pertinent Negatives (PN) 8801023 - Unable to Complete

#### Code List

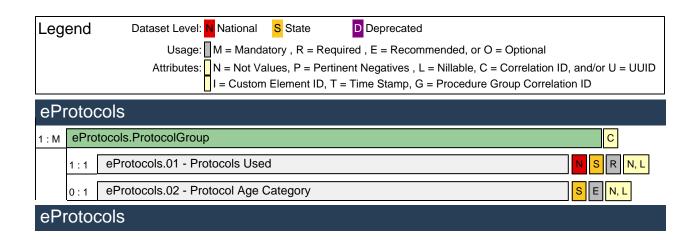
Code	Description
3521001	No
3521003	Yes-Resolved Prior to EMS Arrival
3521005	Yes-Resolved in EMS Presence

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	When Stroke/CVA Symptoms Resolved is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	02 Error	When Stroke/CVA Symptoms Resolved has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	When Stroke/CVA Symptoms Resolved has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

# **eProtocols**



eProtocols.01 NEMSIS Version 3.5.1.240701CR1

**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

000.0 =.0	•
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 Injury-Diving Emergencies 9914091 Injury-Drowning/Near Drowning 9914093 9914095 Injury-Electrical Injuries Injury-Extremity 9914097 Injury-Eye 9914099 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 Medical-ST-Elevation Myocardial Infarction (STEMI) 9914143 9914145 Medical-Stroke/TIA 9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation) 9914149 Medical-Syncope Medical-Ventricular Tachycardia (With Pulse) 9914151 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 Cardiac Arrest-Special Resuscitation Orders 9914171 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 General-Neglect or Abuse Suspected 9914187 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 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts 9914201 Injury-Conducted Electrical Weapon (e.g., Taser) 9914203 9914205 Injury-Facial Trauma 9914207 Injury-General Trauma Management 9914209 Injury-Lightning/Lightning Strike 9914211 Injury-SCUBA Injury/Accidents 9914213 Injury-Topical Chemical Burn Medical-Beta Blocker Poisoning/Overdose 9914215 Medical-Calcium Channel Blocker Poisoning/Overdose 9914217 Medical-Opioid Poisoning/Overdose 9914219 9914221 Medical-Respiratory Distress-Bronchiolitis

# **Data Element Comment**

Protocols are grouped into Airway, Cardiac, 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

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 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	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

# Attributes

#### **NOT Values (NV)**

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

#### Code List

Code	Description
3602001	Adult Only
3602003	General
3602005	Pediatric Only

# **Data Element Comment**

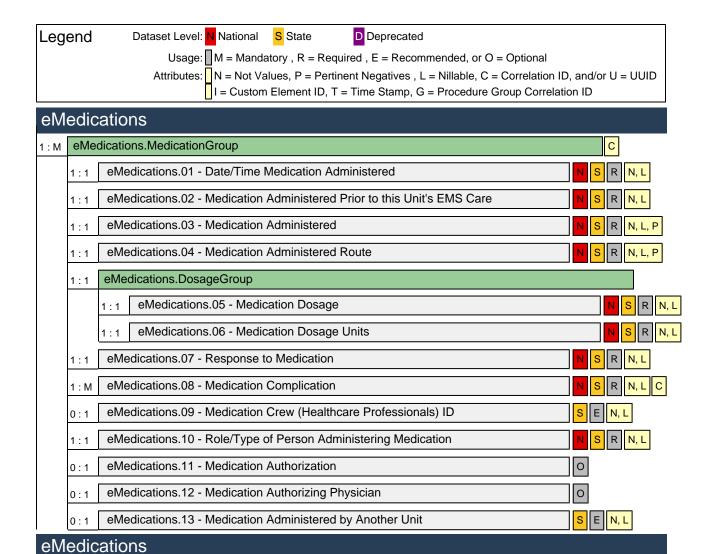
Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN. -There is a new data element to indicate whether the protocol is Adult, Pediatric, or General (both).

#### Version 3 Changes Implemented

Added to better document protocol use.

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Protocol Age Category has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# **eMedications**



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** 

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

#### **Data Element Comment**

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

уууу	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
Т	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
zzzzz	(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

nemSch\_e001 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).

nemSch_e002 Error	When Date/Time Medication Administered has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e136 Warning	Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e137 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".
nemSch_e138 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".
nemSch_e139 Warning	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e140 Warning	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.
nemSch_e141 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".

**National** 

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

#### Definition

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

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

# Associated Performance Measure Initiatives

Airway	Cardiac Arrest	Pediatric	STEMI	Stroke	Trauma

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code Description

9923001 No 9923003 Yes

# Data Element Comment

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

Associated Valida	Associated Validation Rules			
Rule ID Le	evel	Message		
nemSch_e001 Err		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).		
nemSch_e002 Err		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.		
nemSch_e136 Wa		Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".		
nemSch_e137 Wa		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".		
nemSch_e138 Wa		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".		
nemSch_e139 Wa	3	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.		
nemSch_e140 Wa	arning	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.		
nemSch_e141 Wa	_	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".		
nemSch_e146 Wa		Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".		
nemSch_e147 Wa	_	Medication Dosage should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".		
nemSch_e148 Wa	_	Medication Dosage Units should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".		

**National** 

# eMedications.03 - Medication Administered

#### Definition

The medication administered 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

8801027 - Order Criteria Not Met

**Code Type** 

9924003 - RxNorm 9924005 - SNOMED-CT

#### Constraints

Data TypeminLengthmaxLengthstring29

#### **Data Element Comment**

List of medications based on RxNorm (RXCUI) code and SNOMED-CT codes for blood products.

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.

#### Allowable SNOMED-CT codes are:

116762002 Administration of blood product

116795008 Transfusion of cryoprecipitate

116861002 Transfusion of fresh frozen plasma

116865006 Administration of albumin

180208003 Intravenous blood transfusion of platelets

33389009 Transfusion of whole blood

71493000 Transfusion of packed red blood cells

Rule ID	Level	Message
nemSch_e001	Error	When 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).
nemSch_e002	Error	When Medication Administered has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e006	Error	When Medication Administered has a Pertinent Negative, it should have a value and it should

not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

nemSch\_e142 Warning

Medication Administered should be recorded when a medication is administered.

Medication Administered should be a code of between 2 and 7 digits when Code Type is "RxNorm".

nemSch\_e144 Error

Medication Administered should be a SNOMED code specifically allowed in the data dictionary

nemSch\_e145 Error Medication Administered should be an RxNorm code of between 2 and 7 digits or a SNOMED code specifically allowed in the data dictionary.

when Code Type is "SNOMED".

**National** 

# eMedications.04 - Medication Administered Route

#### Definition

The route medication was administered to the patient.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element Yes		NOT Values	Yes
Version 2 Element	E18_04	Is Nillable	Yes
Usage Required		Recurrence	1:1

# Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Pertinent Negatives (PN) 8801023 - Unable to Complete

#### Code List

Code	Description
9927001	Blow-By
9927003	Buccal
9927005	Endotracheal Tube (ET)
9927007	Gastrostomy Tube
9927009	Inhalation
9927011	Intraarterial
9927013	Intradermal
9927015	Intramuscular (IM)
9927017	Intranasal
9927019	Intraocular
9927021	Intraosseous (IO)
9927023	Intravenous (IV)
9927025	Nasal Cannula
9927027	Nasogastric
9927029	Nasotracheal Tube
9927031	Non-Rebreather Mask
9927033	Ophthalmic
9927035	Oral
9927037	Other/miscellaneous
9927039	Otic
9927041	Re-breather mask
9927043	Rectal
9927045	Subcutaneous
9927047	Sublingual
9927049	Topical
9927051	Tracheostomy
9927053	Transdermal
9927055	Urethral
9927057	Ventimask
9927059	Wound
9927061	Portacath
9927063	Auto Injector
9927065	BVM
9927067	CPAP
9927069	IV Pump
9927071	Nebulizer
9927073	Umbilical Artery Catheter
9927075	Umbilical Venous Catheter

#### **Data Element Comment**

This medication route list represents a sub-group of values from the Data Elements for Emergency Department Systems (DEEDS), pertaining to prehospital care.

DEEDS Version 1.0 was utilized for this list: <a href="http://www.sciencedirect.com/science/article/pii/S0196064498703178">http://www.sciencedirect.com/science/article/pii/S0196064498703178</a>. The list can be found on page 152 of 274 of the PDF document in Section 5, 5.13 Current Therapeutic Medication Route.

Rule ID	Level	Message
nemSch_e00	1 Error	When Medication Administered Route is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 <mark>Error</mark>	When Medication Administered Route has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	8 <mark>Error</mark>	When Medication Administered Route has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e146	6 Warning	Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

**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 TypetotalDigitsfractionDigitsdecimal93

# **Data Element Comment**

nemSch\_e147 Warning

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Medication Dosage has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

Medication Dosage should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

National

# 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	1 1 1 7
3706009	Liters (I)
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)
3706055	Milligrams per Hour (mg/hr)

# Data Element Comment

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Medication Dosage Units has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e148	Warning	Medication Dosage Units should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

National

# eMedications.07 - Response to Medication

# Definition

The patient's response to the medication.

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

# Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

# Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

# Data Element Comment

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Response to Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

**National** 

# eMedications.08 - Medication Complication

# Definition

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

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

#### Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code Lis	t .
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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Medication Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Medication Complication has a Not Value, no other value should be recorded.
nemSch_e149	Warning Warning	When Medication Complication is "None", no other value should be recorded.

# eMedications.09 - Medication Crew (Healthcare Professionals) ID

#### Definition

The statewide assigned ID number of the EMS crew member giving the treatment to the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_09	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

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

# Constraints

Data TypeminLengthmaxLengthstring250

# **Data Element Comment**

How should the state ID for an EMS professional be record when working on an event in 2 states. The ID used would typically be based on the EMS agency's state license specific to each EMS professional. Used for eProcedures.09 (Procedure Crew Members ID) as well.

Rule ID Level	Message
nemSch_e001 Error	When Medication Crew (Healthcare Professionals) ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Medication Crew (Healthcare Professionals) ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

National

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

#### Definition

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

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

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description
9905001	Advanced Emergency Medical Technician (AEMT)
9905002	Emergency Medical Technician - Intermediate
9905003	Emergency Medical Responder (EMR)
9905005	Emergency Medical Technician (EMT)
9905007	Paramedic
9905019	Other Healthcare Professional
9905021	Other Non-Healthcare Professional
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
9905043	Patient
9905045	Lay Person
9905047	Law Enforcement
9905049	Family Member
9905051	Fire Personnel (non EMS)

#### **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.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Role/Type of Person Administering Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e150	) Warning	Role/Type of Person Administering Medication should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

# eMedications.11 - Medication Authorization

# Definition

# The type of treatment authorization obtained.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E18_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
------	-------------

9918001 On-Line (Remote Verbal Order)

9918003 On-Scene

9918005 Protocol (Standing Order) 9918007 Written Orders (Patient Specific)

# Data Element Comment

# eMedications.12 - Medication Authorizing Physician

# Definition

The name of the authorizing physician ordering the medication administration if the order was provided by any manner other than protocol (standing order) in eMedications.11.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E18_11	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring1255

Data Element Comment

# eMedications.13 - Medication Administered by Another Unit

#### Definition

Indicates the medication was administered by someone other than the EMS clinicians in this EMS unit. This is not for prior to arrival medications, but for medications administered when multiple units/caregivers are on scene simultaneously providing patient care.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### **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
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nemSch\_e001 Error When Medication Administered by Another Unit is empty, it should have a Not Value (Not

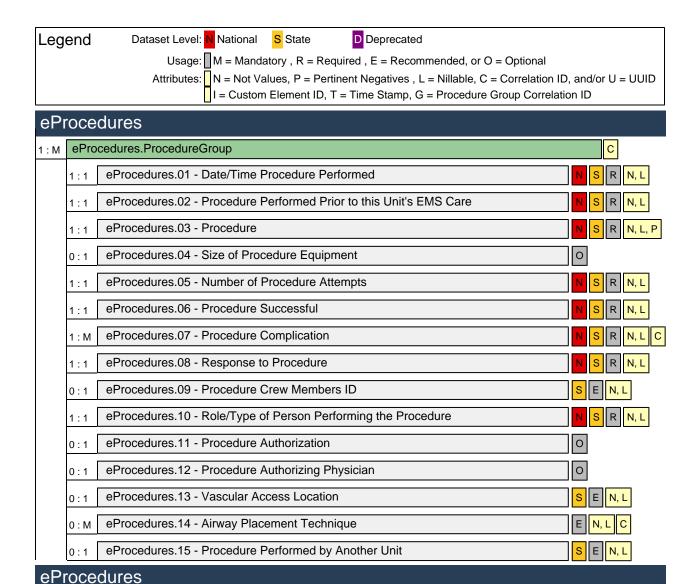
Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if

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

nemSch\_e002 Error When Medication Administered by Another Unit has a Not Value (Not Applicable, Not Recorded,

or Not Reporting), it should be empty.

# **eProcedures**



National

#### 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** 

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

#### **Data Element Comment**

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

уууу	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
Т	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
zzzzz	(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

nemSch\_e001 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).

nemSch_e002 Error	When Date/Time Procedure Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e151 Warning	Date/Time Procedure Performed should be recorded, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
nemSch_e152 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".
nemSch_e153 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".
nemSch_e154 Warning	Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e155 Warning	Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time.
nemSch_e156 Warning	Date/Time Procedure Performed should not be later than Arrived at Patient Date/Time when Procedure Performed Prior to this Unit's FMS Care is "Yes"

**National** 

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

# Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code Description

9923001 No

9923003 Yes

# Data Element Comment

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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	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.
nemSch_e151	Warning	Date/Time Procedure Performed should be recorded, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
nemSch_e152	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".
nemSch_e153	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".
nemSch_e154	Warning	Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e155	Warning	Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time.
nemSch_e156	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".
nemSch_e159	Warning	Role/Type of Person Performing the Procedure should be recorded, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".

**National** 

#### 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 8801027 - Order Criteria Not Met

#### Constraints

#### **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-resource-repository/

#### **SNOMEDCT**

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed\_main.html

Product: Product - UMLS Metathesaurus

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e007 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).
nemSch_e157 Warning	Procedure should be recorded when a procedure is performed.

# eProcedures.04 - Size of Procedure Equipment

# Definition

The size of the equipment used in the procedure on the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E19_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring120

# Data Element Comment

Need business logic to require detail of size appropriate for the procedure.

**National** 

# eProcedures.05 - Number of Procedure Attempts

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

# Constraints

Data Type minInclusive maxInclusive

integer 1 10

#### Data Element Comment

#### Associated Validation Rules

Rule ID L	evel	Message
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nemSch\_e001 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).

nemSch\_e002 Error When Number of Procedure Attempts has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

**National** 

#### eProcedures.06 - Procedure Successful

#### Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code Description

9923001 No 9923003 Yes

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID	Lovol	Message
Kule ID	Level	wessage

nemSch\_e001 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).

nemSch\_e002 Error When Procedure Successful has a Not Value (Not Applicable, Not Recorded, or Not Reporting),

it should be empty.

**National** 

# eProcedures.07 - Procedure Complication

#### Definition

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

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

# Associated Performance Measure Initiatives

Airway Pediatric Trauma

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Description
Altered Mental Status
Apnea
Bleeding
Bradypnea
Diarrhea
Esophageal Intubation-immediately
Esophageal Intubation-other
Extravasation
Hypertension
Hyperthermia
Hypotension
Hypothermia
Hypoxia
Injury
Nausea
None
Other
Respiratory Distress
Tachycardia
Tachypnea
Vomiting
Bradycardia
Itching
Urticaria

#### **Data Element Comment**

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Procedure Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Procedure Complication has a Not Value, no other value should be recorded.

National

# eProcedures.08 - Response to Procedure

# Definition

The patient's response to the procedure.

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

# Attributes

# NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

# Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

# Data Element Comment

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e00	2 Error	When Response to Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### eProcedures.09 - Procedure Crew Members ID

#### Definition

The statewide assigned ID number of the EMS crew member performing the procedure on the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_09	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway	Cardiac Arrest	Pediatric	STEMI	Stroke	Trauma

# Attributes

#### **NOT Values (NV)**

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

#### Constraints

Data Type	minLength	maxLength
string	2	50

#### **Data Element Comment**

For an incident that occurs in multiple states, the certification ID number the EMS agency would typically use is based on the EMS agency's state license specific to each EMS professional. If the incident needs to be reported to each state, then the EMS Agency Number for each state should be submitted as well as the certification ID numbers for each EMS professional on the unit.

Rule ID	Level	Message
nemSch_e00	1 Error	When Procedure Crew Members ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	2 <mark>Error</mark>	When Procedure Crew Members ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

**National** 

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

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code	Description
9905001	Advanced Emergency Medical Technician (AEMT)
9905002	Emergency Medical Technician - Intermediate
9905003	Emergency Medical Responder (EMR)
9905005	Emergency Medical Technician (EMT)
9905007	Paramedic
9905019	Other Healthcare Professional
9905021	Other Non-Healthcare Professional
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
9905043	Patient
9905045	Lay Person

# Data Element Comment

9905047 Law Enforcement 9905049 Family Member

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

9905051 Fire Personnel (non EMS)

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

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e002	2 <mark>Error</mark>	When Role/Type of Person Performing the Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eProcedures.11 - Procedure Authorization

# Definition

# The type of treatment authorization obtained.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E19_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

9918001 On-Line (Remote Verbal Order)

9918003 On-Scene

9918005 Protocol (Standing Order) 9918007 Written Orders (Patient Specific)

# eProcedures.12 - Procedure Authorizing Physician

# Definition

The name of the authorizing physician ordering the procedure, if the order was provided by any manner other than protocol (standing order) in eProcedures.11.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E19_11	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring1255

# eProcedures.13 - Vascular Access Location

# Definition

The location of the vascular access site attempt on the patient, if applicable.

National Element No		Pertinent Negatives (PN)	No
State Element Yes		NOT Values	Yes
Version 2 Element E19_12		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

# NOT Values (NV)

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

# Code List

0000 2.0	•
Code	Description
3913001	Antecubital-Left
3913003	Antecubital-Right
3913005	External Jugular-Left
3913007	External Jugular-Right
3913009	Femoral-Left IV
3913011	Femoral-Right IV
3913013	Foot-Right
3913015	Foot-Left
3913017	Forearm-Left
3913019	Forearm-Right
3913021	Hand-Left
3913023	Hand-Right
3913025	Internal Jugular-Left
3913027	Internal Jugular-Right
3913029	IO-Iliac Crest-Left
3913031	IO-Iliac Crest-Right
3913033	IO-Femoral-Left Distal
3913035	IO-Femoral-Right Distal
3913037	IO-Humeral-Left
3913039	IO-Humeral-Right
3913041	IO-Tibia-Left Distal
3913043	IO-Sternum
3913045	IO-Tibia-Right Distal
3913047	IO-Tibia-Left Proximal
3913049 3913051	IO-Tibia-Right Proximal Lower Extremity-Left
3913051	Lower Extremity-Left Lower Extremity-Right
3913055	Other Peripheral
3913057	Other Central (PICC, Portacath, etc.)
3913059	Scalp
3913061	Subclavian-Left
3913063	Subclavian-Right
3913065	Umbilical
3913067	Venous Cutdown-Left Lower Extremity
3913069	Venous Cutdown-Right Lower Extremity
3913071	Upper Arm-Left
3913073	Upper Arm-Right
3913075	Radial-Left
3913077	Radial-Right
3913079	Wrist-Left
3913081	Wrist-Right
30.0001	

# **Data Element Comment**

This is now associated with the Date/Time of the procedure and therefore changed to single choice. This allows the location to

be documented with each procedure and attempt. If the vascular access has been established prior to EMS, this should be documented as such.

Rule ID	Level	Message
nemSch_e00	1 Error	When Vascular Access 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).
nemSch_e00	2 Error	When Vascular Access Location has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eProcedures.14

# eProcedures.14 - Airway Placement Technique

#### Definition

The manner/equipment used during the placement of the advanced airway.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
4012001	Blind Digital Technique
4012003	Cross Finger Technique
4012005	Direct Laryngoscopy
4012007	Fiberoptic Laryngoscopy
4012009	Indirect Laryngoscopy
4012011	Video Laryngoscopy

# Data Element Comment

# Version 3 Changes Implemented

Added to better document airway management.

Rule ID	Level	Message
nemSch_e001	Error	When Airway Placement Technique is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Airway Placement Technique has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Airway Placement Technique has a Not Value, no other value should be recorded.

# eProcedures.15 - Procedure Performed by Another Unit

# Definition

Indicates the procedure was performed by someone other than the EMS clinicians in this EMS unit. This is not for prior to arrival procedures, but for procedures performed when multiple units/caregivers are on scene simultaneously providing patient care.

National Element No		Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage Recommended		Recurrence	0:1

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

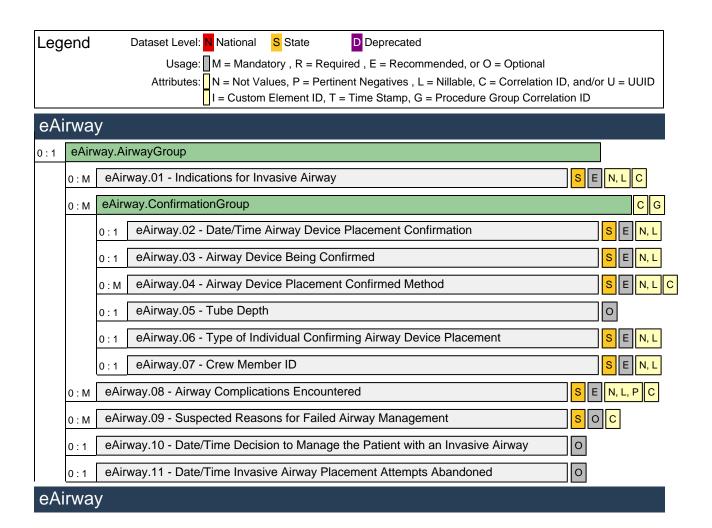
CodeDescription9923001No9923003Yes

#### **Data Element Comment**

This is the method to document when care is provided by others when multiple units are present at the scene.

Rule ID	Level	Message
nemSch_e001	Error	When Procedure Performed by Another Unit is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Procedure Performed by Another Unit has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eAirway



# eAirway.01 - Indications for Invasive Airway

#### Definition

The clinical indication for performing invasive airway management.

National Element	onal Element No		No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage Recommended		Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway

# Attributes

**NOT Values (NV)** 

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4001001	Adequate Airway Reflexes/Effort, Potential for Compromise
4001003	Airway Reflex Compromised
4001005	Apnea or Agonal Respirations
4001007	Illness Involving Airway
4001009	Injury Involving Airway
4001011	Other
4001013	Ventilatory Effort Compromised

# Data Element Comment

# Version 3 Changes Implemented

Added to better document airway management.

Rule ID	Level	Message
nemSch_e001	Error	When Indications for Invasive Airway is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Indications for Invasive Airway has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning Warning	When Indications for Invasive Airway has a Not Value, no other value should be recorded.

### eAirway.02 - Date/Time Airway Device Placement Confirmation

#### Definition

The date and time the airway device placement was confirmed.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway

#### **Attributes**

**NOT Values (NV)** 

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

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

# **Data Element Comment**

SAD=Supraglottic Airway Device

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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 airway management.

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Date/Time Airway Device Placement Confirmation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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\_e002 Error When Date/Time Airway Device Placement Confirmation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eAirway.03

# eAirway.03 - Airway Device Being Confirmed

# Definition

The airway device in which placement is being confirmed.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway

# Attributes

NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

# Code List

Code	Description
4003001	Cricothyrotomy Tube
4003003	Endotracheal Tube
4003005	Other-Invasive Airway
4003007	SAD-Combitube
4003009	SAD-King
4003011	SAD-LMA
4003013	SAD-Other
4003015	Tracheostomy Tube

# **Data Element Comment**

# Version 3 Changes Implemented

Added to better document airway management. SAD means Supraglottic Airway Device.

Rule ID	Level	Message
nemSch_e00	1 Error	When Airway Device Being Confirmed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e00	2 Error	When Airway Device Being Confirmed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eAirway.04 - Airway Device Placement Confirmed Method

#### Definition

The method used to confirm the airway device placement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway

# Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4004001	Auscultation
4004003	Bulb/Syringe Aspiration
4004005	Colorimetric ETCO2
4004007	Condensation in Tube
4004009	Digital (Numeric) ETCO2
4004011	Direct Re-Visualization of Tube in Place
4004013	Endotracheal Tube Whistle (BAAM, etc.)
4004015	Other
4004017	Visualization of Vocal Cords
4004019	Waveform ETCO2
4004021	Chest Rise

# **Data Element Comment**

If the invasive airway is confirmed via multiple methods each method should be documented individually by time, method, and type of individual.

# Version 3 Changes Implemented

Added to better document airway management.

Rule ID	Level	Message
nemSch_e001	Error	When Airway Device Placement Confirmed 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).
nemSch_e002	Error	When Airway Device Placement Confirmed Method has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Airway Device Placement Confirmed Method has a Not Value, no other value should be recorded.

NEMSIS Version 3.5.1.240701CR1 eAirway.05

# eAirway.05 - Tube Depth

# Definition

The measurement at the patient's teeth/lip of the tube depth in centimeters (cm) of the invasive airway placed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway

# Constraints

Data TypeminInclusivemaxInclusiveinteger432

# Data Element Comment

Tube Depth added to better document the initial placement of the airway device and subsequent assessments.

# eAirway.06 - Type of Individual Confirming Airway Device Placement

#### Definition

The type of individual who confirmed the airway device placement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway

# Attributes

#### **NOT Values (NV)**

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

#### Code List

Code	Description

4006001 Another Person on the Same Crew

4006003 Other

4006005 Person Performing Intubation 4006007 Receiving Air Medical/EMS Crew

4006009 Receiving Hospital Team

# **Data Element Comment**

#### Version 3 Changes Implemented

Added to better document airway management.

Rule ID Level	Message
nemSch_e001 Error	When Type of Individual Confirming Airway Device Placement is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Type of Individual Confirming Airway Device Placement has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eAirway.07 - Crew Member ID

#### Definition

The statewide assigned ID number of the EMS crew member confirming the airway placement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway

# Attributes

NOT Values (NV)

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

#### Constraints

Data TypeminLengthmaxLengthstring250

# **Data Element Comment**

# Version 3 Changes Implemented

Added to better document airway management.

Rule ID L	Level	Message
nemSch_e001 <mark>E</mark>		When Crew Member ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 <mark>E</mark>	<b>Error</b>	When Crew Member ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eAirway.08 - Airway Complications Encountered

#### Definition

The airway management complications encountered during the patient care episode.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway

# Attributes

**NOT Values (NV)** 

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

Pertinent Negatives (PN) 8801015 - None Reported

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
4008001	Adverse Event from Facilitating Drugs
4008003	Bradycardia (<50)
4008005	Cardiac Arrest
4008007	Esophageal Intubation-Delayed Detection (After Tube Secured)
4008009	Esophageal Intubation-Detected in Emergency Department
4008011	Failed Intubation Effort
4008013	Injury or Trauma to Patient from Airway Management Effort
4008015	Other
4008017	Oxygen Desaturation (<90%)
4008019	Patient Vomiting/Aspiration
4008021	Tube Dislodged During Transport/Patient Care
4008023	Tube Was Not in Correct Position when EMS Crew/Team Assumed Care of the Patient

# **Data Element Comment**

# Version 3 Changes Implemented

Added to better document airway management.

Rule ID	Level	Message
nemSch_e001	Error	When Airway Complications Encountered is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Airway Complications Encountered has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Airway Complications Encountered has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Airway Complications Encountered has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Airway Complications Encountered has a Pertinent Negative, no other value should be recorded.

eAirway.09

State

# eAirway.09 - Suspected Reasons for Failed Airway Management

# Definition

The reason(s) the airway was unable to be successfully managed.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4009001	Difficult Patient Airway Anatomy
4009003	ETI Attempted, but Arrived At Destination Facility Before Accomplished
4009005	Facial or Oral Trauma
4009007	Inability to Expose Vocal Cords
4009009	Inadequate Patient Relaxation/Presence of Protective Airway Reflexes
4009011	Jaw Clenched (Trismus)
4009013	Other
4009015	Poor Patient Access
4009017	Secretions/Blood/Vomit
4009019	Unable to Position or Access Patient

# Data Element Comment

# Version 3 Changes Implemented

Added to better document airway management.

NEMSIS Version 3.5.1.240701CR1 eAirway.10

# eAirway.10 - Date/Time Decision to Manage the Patient with an Invasive Airway

#### Definition

The date and time the decision was made to manage the patient's airway with an invasive airway device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### **Pattern**

 $[0-9]\{4\}-[0-9]\{2\}-[0-9]\{2\}+[0-9]\{2\}-[0-9][2]-[0-9][2]-[0-9][2]-[0-9][2]-[0-9][2]-[0-9][2]-[0-9]-[0-9][2]-[0-9][2]-[0-9]-$ 

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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 airway management.

NEMSIS Version 3.5.1.240701CR1 eAirway.11

# eAirway.11 - Date/Time Invasive Airway Placement Attempts Abandoned

#### Definition

The date and time that the invasive airway attempts were abandoned for the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

 $[0-9]\{4\}-[0-9]\{2\}-[0-9]\{2\}+[0-9][2]+$ 

#### **Data Element Comment**

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

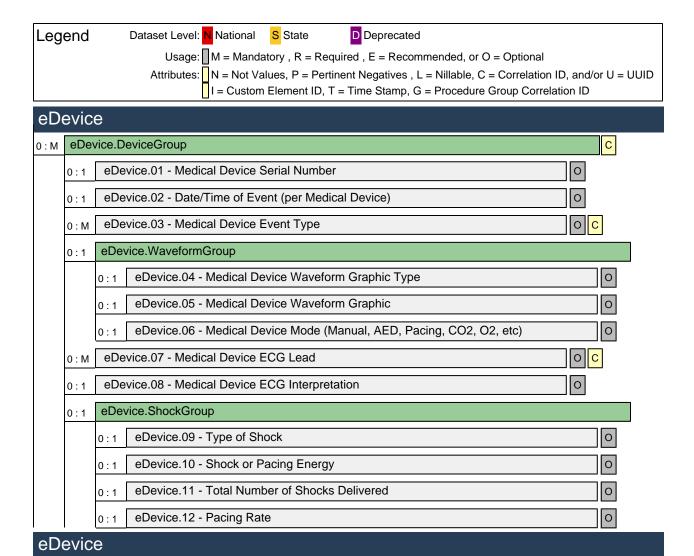
уууу	a four-digit numeral that represents the year
'_'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	a separator 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
zzzzz	(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 airway management.



# eDevice.01 - Medical Device Serial Number

# Definition

The unique manufacturer's serial number associated with a medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data Type	minLength	maxLength
string	2	50

# eDevice.02 - Date/Time of Event (per Medical Device)

#### Definition

The time of the event recorded by the device's internal clock.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_01	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

 $[0-9]\{4\}-[0-9]\{2\}-[0-9][2]-[0-9]-[0-9][2]-[0-9][2]-[0-9]-$ 

#### **Data Element Comment**

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

уууу	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
Т	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

# eDevice.03 - Medical Device Event Type

# Definition

The type of event documented by the medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_02	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

# Attributes

# CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4103001	12-Lead ECG
4103003	Analysis (Button Pressed)
4103005	CO2
4103007	Data Transmitted
4103009	Defibrillation
4103011	ECG-Monitor
4103013	Heart Rate
4103015	Invasive Pressure 1
4103017	Invasive Pressure 2
4103019	No Shock Advised
4103021	Non-Invasive BP
4103023	Other
4103025	Pacing Electrical Capture
4103027	Pacing Started
4103029	Pacing Stopped
4103031	Patient Connected
4103033	Power On
4103035	Pulse Oximetry
4103037	
4103039	Respiratory Rate
4103041	Shock Advised
4103043	Sync Off
4103045	Sync On
4103047	Temperature 1
4103049	Temperature 2

# Data Element Comment

Can be displayed in the Vital Signs or Procedure Sections.

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# eDevice.04 - Medical Device Waveform Graphic Type

#### Definition

The description of the waveform file stored in Waveform Graphic (eDevice.05).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

#### Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d\_image Raster Image formats: http://www.fileinfo.com/filetypes/raster\_image Vector Image formats: http://www.fileinfo.com/filetypes/vector\_image

Video formats: http://www.fileinfo.com/filetypes/video Audio formats: http://www.fileinfo.com/filetypes/audio

#### Comparison of formats:

Image: http://en.wikipedia.org/wiki/Comparison\_of\_image\_file\_formats

Audio: http://en.wikipedia.org/wiki/Audio file format

Container: http://en.wikipedia.org/wiki/Comparison\_of\_container\_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image\_file\_formats

Mime Types: http://en.wikipedia.org/wiki/Internet\_media\_type

# eDevice.05 - Medical Device Waveform Graphic

# Definition

The graphic waveform file.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

**Data Type** base64Binary

# eDevice.06 - Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc)

# Definition

The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event).

National Element	No Pertinent Negatives (PN)		No
State Element	No NOT Values		No
Version 2 Element	E21_05	Is Nillable	No
Usage	Optional Recurrence		0:1

# Code List

Code	Description
4106001	Advisory
4106003	Automated
4106005	Demand
4106007	Manual
4106009	Mid-Stream
4106011	Sensing
4106013	Side-Stream

# eDevice.07 - Medical Device ECG Lead

# Definition

The lead or source which the medical device used to obtain the rhythm (if appropriate for the event).

National Element	No Pertinent Negatives (PN)		No
State Element	No NOT Values		No
Version 2 Element	E21_06	Is Nillable	No
Usage	Optional Recurrence		0 : M

# Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

# Attributes

# CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4107001	1
4107003	II
4107005	III
4107007	AVR
4107009	AVL
4107011	AVF
4107013	Paddle
4107015	Pads
4107017	V1
4107019	V2
4107021	V3
4107023	V3r
4107025	V4
4107027	V4r
4107029	V5
4107031	V5r
4107033	V6
4107035	V6r
4107037	V7
4107039	V8
4107041	V9

# **Data Element Comment**

Can be displayed in the Vital Signs or Procedure Sections.

# eDevice.08 - Medical Device ECG Interpretation

# Definition

The interpretation of the rhythm by the device (if appropriate for the event).

National Element	No Pertinent Negatives (PN)		No
State Element	No NOT Values		No
Version 2 Element	E21_07	Is Nillable	No
Usage	Optional Recurrence		0:1

# Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data TypeminLengthmaxLengthstring12000

# Data Element Comment

The rhythm interpretation text imported from the device.

# eDevice.09 - Type of Shock

# Definition

The type of shock used by the device for the defibrillation (if appropriate for the event).

National Element	No Pertinent Negatives (PN)		No
State Element	No NOT Values		No
Version 2 Element	E21_08	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Cardiac Arrest

# Code List

CodeDescription4109001Biphasic4109003Monophasic

# eDevice.10 - Shock or Pacing Energy

# Definition

The energy (in joules) used for the shock or pacing (if appropriate for the event).

National Element	No Pertinent Negatives (PN)		No
State Element	No NOT Values		No
Version 2 Element	E21_09	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Cardiac Arrest

# Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	5	1	1	9000

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# eDevice.11 - Total Number of Shocks Delivered

# Definition

The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Associated Performance Measure Initiatives

Cardiac Arrest

Constraints

Data TypeminInclusivemaxInclusiveinteger1100

eDevice.12

# eDevice.12 - Pacing Rate

# Definition

The rate the device was calibrated to pace during the event, if appropriate.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_11	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminInclusivemaxInclusiveinteger11000

# **eDisposition**

Leg	end	Dataset Level: 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  I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation	
eDi	ispo	sition	
1:1	eDis	position.DestinationGroup	
	0:1	eDisposition.01 - Destination/Transferred To, Name	S E N, L
	0:1	eDisposition.02 - Destination/Transferred To, Code	S E N, L
	0:1	eDisposition.03 - Destination Street Address	SO
	0:1	eDisposition.04 - Destination City	SO
	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
	0:1	eDisposition.08 - Destination Country	0
	0:1	eDisposition.09 - Destination GPS Location	0
	0 : 1	eDisposition.10 - Destination Location US National Grid Coordinates	0
0:1	eDis	sposition.11 - Number of Patients Transported in this EMS Unit	S E N, L
1:1	eDis	position.IncidentDispositionGroup	
	1:1	eDisposition.27 - Unit Disposition	N S M
	1:1	eDisposition.28 - Patient Evaluation/Care	N S R N, L
	1:1	eDisposition.29 - Crew Disposition	N S R N, L
	1:1	eDisposition.30 - Transport Disposition	N S R N, L
	0 : M	eDisposition.31 - Reason for Refusal/Release	O C
0 : M	eDis	sposition.13 - How Patient Was Moved to Ambulance	o <mark>c</mark>
0 : M	eDis	sposition.14 - Position of Patient During Transport	O C
0 : M	eDis	sposition.15 - How Patient Was Moved From Ambulance	O C
1:1	eDis	sposition.16 - EMS Transport Method	N S R N, L
1:1	eDis	sposition.17 - Transport Mode from Scene	N S R N, L
1 : M	eDis	sposition.18 - Additional Transport Mode Descriptors	N S R N, L C
1:1	eDis	sposition.19 - Acuity Upon EMS Release of Patient	N S R N, L
1 : M	eDis	sposition.20 - Reason for Choosing Destination	N S R N, L C
1:1	eDis	sposition.21 - Type of Destination	N S R N, L
1:1	eDis	sposition.22 - Hospital In-Patient Destination	N S R N, L
1 : M	eDis	sposition.23 - Hospital Capability	N S R N, L C
1 : M	eDis	position.HospitalTeamActivationGroup	С
	1:1	eDisposition.24 - Destination Team Pre-Arrival Alert or Activation	N S R N, L

eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation

o:M eDisposition.26 - Disposition Instructions Provided

o:M eDisposition.32 - Level of Care Provided per Protocol

eDisposition

# eDisposition.01 - Destination/Transferred To, Name

## Definition

The destination the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

# Attributes

## **NOT Values (NV)**

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

## Constraints

Data TypeminLengthmaxLengthstring2100

## **Data Element Comment**

Recommended State data element since no national code for destination. May be populated from the list in dFacility.02 (Facility Name).

Rule ID	Level	Message
nemSch_e001	Error	When Destination/Transferred To, 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_e002	Error	When Destination/Transferred To, Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eDisposition.02 - Destination/Transferred To, Code

#### Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

#### **NOT Values (NV)**

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

## Constraints

Data TypeminLengthmaxLengthstring250

## **Data Element Comment**

May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility.

## Associated Validation Rules

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

nemSch\_e001 Error When Destination/Transferred To, 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).

nemSch\_e002 Error When Destination/Transferred To, Code has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

# eDisposition.03 - Destination Street Address

# Definition

The street address of the destination the patient was delivered or transferred to.

National Element	No Pertinent Negatives (PN)		No
State Element	Yes	NOT Values	No
Version 2 Element	E20_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

# StreetAddress2

Data Type: string minLength: 1 maxLength: 255

# Constraints

Data TypeminLengthmaxLengthstring1255

# **Data Element Comment**

May be auto-populated if list created in dFacility.07 (Facility Street Address).

# eDisposition.04 - Destination City

# Definition

The city of the destination the patient was delivered or transferred to (physical address).

National Element	No	Pertinent Negatives (PN)	No	
State Element	Yes	NOT Values	No	
Version 2 Element	E20_04	Is Nillable	No	
Usage	Optional	Recurrence	0:1	

# Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

National

# eDisposition.05 - Destination State

## Definition

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

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

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

## **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

## Constraints

#### Pattern

[0-9]{2}

# **Data Element Comment**

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Destination State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e160	<mark>Warning</mark>	Destination State should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e162	Warning	Destination County should belong within the Destination State.

**National** 

# eDisposition.06 - Destination County

#### Definition

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

National Element	Yes Pertinent Negatives (F		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

Rule ID L	Level	Message
nemSch_e001 <mark>E</mark>	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).
nemSch_e002 E	Error	When Destination County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e161 <mark>\</mark>	Warning	Destination County should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e162 V	Warning	Destination County should belong within the Destination State.

National

# eDisposition.07 - Destination ZIP Code

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Attributes

## **NOT Values (NV)**

7701001 - Not Applicable 77

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

Rule ID	Level	Message
nemSch_e00	1 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).
nemSch_e002	2 Error	When Destination ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e163	3 Warning	Destination ZIP Code should be recorded when Transport Disposition is "Transport by This EMS Unit".

# eDisposition.08 - Destination Country

# Definition

# The country of the destination.

National Element	No	Pertinent Negatives (PN) No	
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type length string 2

# Data Element Comment

May be auto-populated if list created in dFacility.12 (Facility Country).

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

# Version 3 Changes Implemented

Added for improved international compatibility.

# eDisposition.09 - Destination GPS Location

## Definition

The destination GPS Coordinates to which the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_08	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

## Pattern

 $(+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?), (+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9])(\.[0-9]{1,6})?)$ 

## **Data Element Comment**

May be auto-populated if list created in dFacility.13 (Facility GPS Location).

The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places
   longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

# eDisposition.10 - Destination Location US National Grid Coordinates

# Definition

The US National Grid Coordinates for the Destination Location. This may be the Healthcare Facility US National Grid Coordinates.

National Element	No	No Pertinent Negatives (PN)	
State Element	No NOT Values		No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

#### Pattern

 $([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]\{10\}$ 

# Data Element Comment

Standard found at www.fgdc.gov/usng.

Through programming this may be partially auto-populated if the list is created in dFacility.14 (Facility US National Grid Coordinates).

# eDisposition.11 - Number of Patients Transported in this EMS Unit

## Definition

The number of patients transported by this EMS crew and unit.

National Element	No Pertinent Negatives (PN)		No
State Element	Yes NOT Values		Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

# NOT Values (NV)

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

## Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1100

# **Data Element Comment**

Added to document multiple patients being transported with the same vehicle and crew.

# Version 3 Changes Implemented

Added to document multiple patients being transported with the same vehicle and crew.

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Number of Patients Transported in this EMS Unit is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	2 Error	When Number of Patients Transported in this EMS Unit has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

**National** 

# eDisposition.27 - Unit Disposition

# Definition

The unit disposition for an EMS event identifying whether patient contact was made by this EMS Unit/Crew.

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

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

## Code List

Code	Description
4227001	Patient Contact Made
4227003	Cancelled on Scene
4227005	Cancelled Prior to Arrival at Scene
4227007	No Patient Contact
4227009	No Patient Found

4227011 Non-Patient Incident (Not Otherwise Listed)

# **Data Element Comment**

Grouped with Incident and Transport dispositions. Who provided care or services is defined in Incident Dispostion.

# Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID	Level	Message
nemSch_e018	8 Warning	Unit En Route Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e020	0 Warning	Unit Arrived on Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e020	3 <mark>Warning</mark>	Arrived at Patient Date/Time should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e02	5 Warning	Unit Left Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e067	7 <mark>Warning</mark>	Number of Patients at Scene should be "Multiple" or "Single" when Unit Disposition is "Patient Contact Made".
nemSch_e070	0 <mark>Warning</mark>	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e07	1 Warning	Incident State should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e072	2 <mark>Warning</mark>	Incident ZIP Code should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e073	3 Warning	Incident County should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e180	0 <mark>Warning</mark>	Unit Disposition should be "Patient Contact Made" when Patient Evaluation/Care is "Patient Evaluated" or "Patient Refused Evaluation/Care".

nemSch_e181 Warning	Unit Disposition should be "Patient Contact Made" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
nemSch_e182 Warning	Unit Disposition should be "Patient Contact Made" when Transport Disposition is a value other than "Non-Patient Transport (Not Otherwise Listed)" or "No Transport".
nemSch_e183 Warning	Patient Evaluation/Care should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e185 Warning	Crew Disposition should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e186 Warning	Transport Disposition should be recorded when Unit Disposition is "Patient Contact Made".

**National** 

# eDisposition.28 - Patient Evaluation/Care

#### Definition

The patient disposition for an EMS event identifying whether a patient was evaluated and care or services were provided.

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
4228001	Patient Evaluated and Care Provided
4228003	Patient Evaluated and Refused Care
4228005	Patient Evaluated, No Care Required
4228007	Patient Refused Evaluation/Care
4228009	Patient Support Services Provided

#### **Data Element Comment**

Grouped with Incident and Transport Dispositions. Who provided care or services is defined in Incident Disposition.

## Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID	Level	Message
nemSch_e001	Error	When Patient Evaluation/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).
nemSch_e002	Error	When Patient Evaluation/Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e057	Warning	Patient's Home County should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e059	Warning	Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e060	Warning	Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e061	Warning	Gender should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e062	Warning	Race should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e063	Warning	Age should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e064	Warning	Age Units should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care

Provided".

nemSch_e075 <mark>Warning</mark>	Date/Time of Symptom Onset should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e076 Warning	Possible Injury should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e080 Warning	Primary Symptom should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e082 Warning	Provider's Primary Impression should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e084 Warning	Initial Patient Acuity should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e085 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e086 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Score is "Positive".
nemSch_e087 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI".
nemSch_e089 Warning	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e093 Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e095 Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e100 Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e103 Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".
nemSch_e108 Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e115 Warning	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e168 Warning	Acuity Upon EMS Release of Patient should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e180 Warning	Unit Disposition should be "Patient Contact Made" when Patient Evaluation/Care is "Patient Evaluated" or "Patient Refused Evaluation/Care".
nemSch_e183 Warning	Patient Evaluation/Care should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e184 Warning	Patient Evaluation/Care should be "Patient Evaluated and Care Provided" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
nemSch_e187 Warning	Level of Care Provided per Protocol should be recorded (with a value other than "No Care Provided") when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

**National** 

# eDisposition.29 - Crew Disposition

## Definition

The crew disposition for this EMS event identifying which crew provided primary patient care or whether support services were required.

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
4229001	Initiated and Continued Primary Care
4229003	Initiated Primary Care and Transferred to Another EMS Crew
4229005	Provided Care Supporting Primary EMS Crew
4229007	Assumed Primary Care from Another EMS Crew
4229009	Incident Support Services Provided (Including Standby)
4229011	Back in Service, No Care/Support Services Required
4229013	Back in Service, Care/Support Services Refused

## **Data Element Comment**

Grouped with Patient and Transport Dispositions. Depending on context of the Value, "Unit" could be Vehicle or Service/Agency.

# Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID Level	Message
nemSch_e001 Error	When Crew 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).
nemSch_e002 Error	When Crew Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e181 Warni	Unit Disposition should be "Patient Contact Made" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
nemSch_e184 Warni	Patient Evaluation/Care should be "Patient Evaluated and Care Provided" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
nemSch_e185 Warni	og Crew Disposition should be recorded when Unit Disposition is "Patient Contact Made".

**National** 

# eDisposition.30 - Transport Disposition

#### Definition

The transport disposition for an EMS event identifying whether a transport occurred and by which 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
4000004	Tuesees and leve

4230001 Transport by This EMS Unit (This Crew Only)

4230003 Transport by This EMS Unit, with a Member of Another Crew

4230005 Transport by Another EMS Unit/Agency

4230007 Transport by Another EMS Unit/Agency, with a Member of This Crew

4230009 Patient Refused Transport

4230011 Non-Patient Transport (Not Otherwise Listed)

4230013 No Transport

#### **Data Element Comment**

Grouped with Patient and Incident Dispositions. Provides a rapid filter for transport or no transport for incident evaluation, business entry rules and Schematron rules.

#### Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID L	_evel	Message
nemSch_e001 E	Error	When Transport 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).
nemSch_e002 <mark>E</mark>	Error	When Transport Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e030 <mark>V</mark>	<b>Varning</b>	Patient Arrived at Destination Date/Time should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e036 <mark>V</mark>	<u>Warning</u>	Destination Patient Transfer of Care Date/Time should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e113 <mark>V</mark>	<u>Warning</u>	Cardiac Rhythm on Arrival at Destination should be recorded when Transport Disposition is "Transport by This EMS Unit" and Cardiac Arrest is "Yes".
nemSch_e160 <mark>V</mark>	<u>Warning</u>	Destination State should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e161 <mark>V</mark>	<u>Warning</u>	Destination County should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e163 <mark>V</mark>	<u>Warning</u>	Destination ZIP Code should be recorded when Transport Disposition is "Transport by This EMS Unit".

nemSch_e164 Warning	EMS Transport Method should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e165 Warning	EMS Transport Method should not be recorded when Transport Disposition is "Patient Refused Transport" or "No Transport".
nemSch_e166 Warning	Transport Mode from Scene should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e167 Warning	Transport Mode from Scene should not be recorded when Transport Disposition is "Patient Refused Transport" or "No Transport".
nemSch_e169 Warning	Reason for Choosing Destination should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e170 Warning	Type of Destination should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e182 Warning	Unit Disposition should be "Patient Contact Made" when Transport Disposition is a value other than "Non-Patient Transport (Not Otherwise Listed)" or "No Transport".
nemSch_e186 Warning	Transport Disposition should be recorded when Unit Disposition is "Patient Contact Made".

## eDisposition.31 - Reason for Refusal/Release

# Definition

Describes reason(s) for the patient's refusal of care/transport OR the EMS clinician's decision to release the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Associated Performance Measure Initiatives

Airway Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma
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## **Attributes**

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Code List

Code	Description
4231001	Against Medical Advice
4231003	Patient/Guardian Indicates Ambulance Transport is Not Necessary
4231005	Released Following Protocol Guidelines
4231007	Released to Law Enforcement
4231009	Patient/Guardian States Intent to Transport by Other Means
4231011	DNR
4231013	Medical/Physician Orders for Life Sustaining Treatment
4231015	Other, Not Listed
4231017	Patient Elopement

## **Data Element Comment**

This works in combination with the dispositions and signatures to provide general categories for the patient refusal. Specific legal refusal language should be developed by the agency's legal counsel and provided to the patient or guardian upon refusal per local policies.

## Version 3 Changes Implemented

Element added with the release of v3.5.0

# eDisposition.13 - How Patient Was Moved to Ambulance

# Definition

The method by which the patient was moved to the ambulance from the scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_11	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

# CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
9909001	Assisted/Walk
9909003	Backboard
9909005	Chair
9909007	Carried
9909009	Other
9909011	Stairchair
9909013	Stretcher
9909015	Wheelchair

# eDisposition.14 - Position of Patient During Transport

# Definition

The position of the patient during transport from the scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_12	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

# CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4214001	Car Seat
4214003	Fowlers (Semi-Upright Sitting)
4214005	Lateral Left
4214007	Lateral Right
4214009	Other
4214011	Prone
4214013	Semi-Fowlers
4214015	Sitting
4214017	Supine
4214019	Trendelenburg
4214021	Pediatric Ambulance Restraint Device
4214023	Neonatal Ambulance Restraint Device
4214025	Patient's Car Seat
4214027	Ambulance Integrated Car Seat

# eDisposition.15 - How Patient Was Moved From Ambulance

# Definition

The method by which the patient was moved from the ambulance to the destination.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_13	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

# CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
9909001	Assisted/Walk
9909003	Backboard
9909005	Chair
9909007	Carried
9909009	Other
9909011	Stairchair
9909013	Stretcher
9909015	Wheelchair

**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	De	scr	ipti	on

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.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When EMS Transport Method has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e164	Warning	EMS Transport Method should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e165	Warning	EMS Transport Method should not be recorded when Transport Disposition is "Patient Refused Transport" or "No Transport".

**National** 

# eDisposition.17 - Transport Mode from Scene

#### Definition

Indication whether the transport was emergent or non-emergent.

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

## Code List

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.

Rule ID	Level	Message
nemSch_e00 <sup>2</sup>	1 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).
nemSch_e002	2 <mark>Error</mark>	When Transport Mode from Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e166	6 Warning	Transport Mode from Scene should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e167	7 Warning	Transport Mode from Scene should not be recorded when Transport Disposition is "Patient Refused Transport" or "No Transport".

**National** 

# eDisposition.18 - Additional Transport Mode Descriptors

## Definition

The documentation of transport mode techniques for this EMS response.

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

#### Attributes

**NOT Values (NV)** 

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## 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.

Rule ID Level	Message
nemSch_e001 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).
nemSch_e002 Error	When Additional Transport Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Additional Transport Mode Descriptors has a Not Value, no other value should be recorded.

**National** 

# eDisposition.19 - Acuity Upon EMS Release of Patient

#### Definition

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

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)
4219009	Dead with Resuscitation Efforts (Black)
4219011	Non-Acute/Routine

#### **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

https://www.ems.gov/assets/National EMS Core Content.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.

"Non-Acute/Routine" added for use with patients with no clinical issues-such as a refusal for a lift assist-or for routine transfers. "Dead with Resuscitation Efforts (Black)" added for EMS units that arrived and provided resuscitation to a critical patient, but who was deceased at the end of the event (such as in a cardiac arrest).

## Version 3 Changes Implemented

With the release of v3.5.0 additional values were added to meet the needs of EMS.

Rule ID	Level	Message
nemSch_e001	Error	When Acuity Upon EMS Release of 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).
nemSch_e002	2 Error	When Acuity Upon EMS Release of Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e168	3 Warning	Acuity Upon EMS Release of Patient should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

**National** 

# eDisposition.20 - Reason for Choosing Destination

## Definition

The reason(s) this EMS Unit delivered or transferred 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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## 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. This NEMSIS data element has no relationship to the 5010 CMS claim file data element. Please refer to ePayment.44 Ambulance Transport Reason Code for billing purposes.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	2 Error	When Reason for Choosing Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Reason for Choosing Destination has a Not Value, no other value should be recorded.
nemSch_e169	Warning	Reason for Choosing Destination should be recorded when Transport Disposition is "Transport by This EMS Unit".

**National** 

# eDisposition.21 - Type of Destination

## Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

## **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

# Code List

Code	Description
4221001	Home
4221003	Hospital-Emergency Department
4221005	Hospital-Non-Emergency Department Bed
4221007	Clinic
4221009	Morgue/Mortuary
4221013	Other
4221015	Other EMS Responder (air)
4221017	Other EMS Responder (ground)
4221019	Police/Jail
4221021	Urgent Care
4221023	Freestanding Emergency Department
4221025	Dialysis Center
4221027	Diagnostic Services
4221029	Assisted Living Facility
4221031	Mental Health Facility
4221033	Nursing Home
4221035	Other Recurring Care Center
4221037	Physical Rehabilitation Facility
4221039	Drug and/or Alcohol Rehabilitation Facility

# **Data Element Comment**

4221041

Required if Patient Transported by EMS.

Skilled Nursing Facility

## Version 3 Changes Implemented

With the release of v3.5.0 additional values were added to meet the needs of EMS.

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Type of Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e170	Warning	Type of Destination should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e171	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".

nemSch\_e172 Warning Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

nemSch\_e173 Warning Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

**National** 

# eDisposition.22 - Hospital In-Patient Destination

# Definition

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

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

# Attributes

# NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
4222001	Hospital-Burn
4222003	Hospital-Cath Lab
4222005	Hospital-CCU
4222007	Hospital-Endoscopy
4222009	Hospital-Hospice
4222011	Hospital-Hyperbaric Oxygen Treatment
4222013	Hospital-ICU
4222015	Hospital-Labor 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.

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When Hospital In-Patient Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

**National** 

# eDisposition.23 - Hospital Capability

#### Definition

The primary hospital capability associated with the patient's condition for this transport (e.g., Trauma, STEMI, Peds, etc.).

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

## Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric 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
9908037	Stroke-Acute Stroke Ready Hospital (ASRH)
9908039	Stroke-Primary Stroke Center (PSC)
9908041	Stroke-Thrombectomy-Capable Stroke Center (TSC)
9908043	Stroke-Comprehensive Stroke Center (CSC)
9908045	Cancer Center
9908047	Labor and Delivery

#### 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.

Stroke Center classifications based on Join Commission stroke certification: <a href="https://www.jointcommission.org/facts">https://www.jointcommission.org/facts</a> about joint commission stroke certification/

### Version 3 Changes Implemented

Added to aid in determining if patients are transported to the appropriate hospital based on provider impression, assessment, and treatment.

Rule ID	Level	Message
nemSch_e001	1 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).
nemSch_e002	2 Error	When Hospital Capability has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

nemSch_e009 Warning	When Hospital Capability has a Not Value, no other value should be recorded.
nemSch_e171 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".
nemSch_e172 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".
nemSch_e173 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI".

State

**National** 

# eDisposition.24 - Destination Team Pre-Arrival Alert or Activation

#### Definition

Indication that an alert (or activation) was called by EMS to the appropriate destination healthcare facility team. The alert (or activation) should occur prior to the EMS Unit arrival at the destination with the patient.

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

#### Associated Performance Measure Initiatives

Cardiac Arrest STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701

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)

4224019 Yes-Sepsis

# **Data Element Comment**

## Version 3 Changes Implemented

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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Destination Team Pre-Arrival Alert or Activation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e174	Warning	When Destination Team Pre-Arrival Alert or Activation is "No", no other value should be recorded.
nemSch_e175	Warning	Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded.
nemSch_e176	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".

State

National

# 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**

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

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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.

Rule ID Leve	el	Message
nemSch_e001 Erro	r	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).
nemSch_e002 Erro	o <mark>r</mark>	When Date/Time of Destination Prearrival Alert or Activation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e175 Warı	ning	Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded.
nemSch_e176 Warı	ning	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".
nemSch_e177 Warı	ning	Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e178 Warı	ning	Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e179 Warı	ning	Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time.

# eDisposition.26 - Disposition Instructions Provided

# Definition

Information provided to patient during disposition for patients not transported or treated.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

## CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
4226001	Contact 911 or see your Doctor if problem returns
4226003	Contact 911 or see your Doctor if problem worsens
4226005	Other Not Listed (Described in Narrative)
4226007	Problem Specific Instructions Provided
4226009	See Your Doctor or the Emergency Department immediately
4226011	See Your Doctor or the Emergency Department in the next 24 hours
4226013	See Your Doctor or the Emergency Department in the next 4 hours
4226015	See Your Doctor within the next one week

# Data Element Comment

# Version 3 Changes Implemented

Added to better document instructions given to patients not transported by EMS.

State

**National** 

# eDisposition.32 - Level of Care Provided per Protocol

#### Definition

The general level of care provided to this patient as defined per provider level in local EMS protocols or clinical guidelines.

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
4232001	BLS - All Levels

4232003 ALS - AEMT/Intermediate

4232005 ALS - Paramedic

4232007 EMS and Other Health-Care Staff

4232009 Critical Care

4232011 Integrated Health Care 4232013 No Care Provided

#### **Data Element Comment**

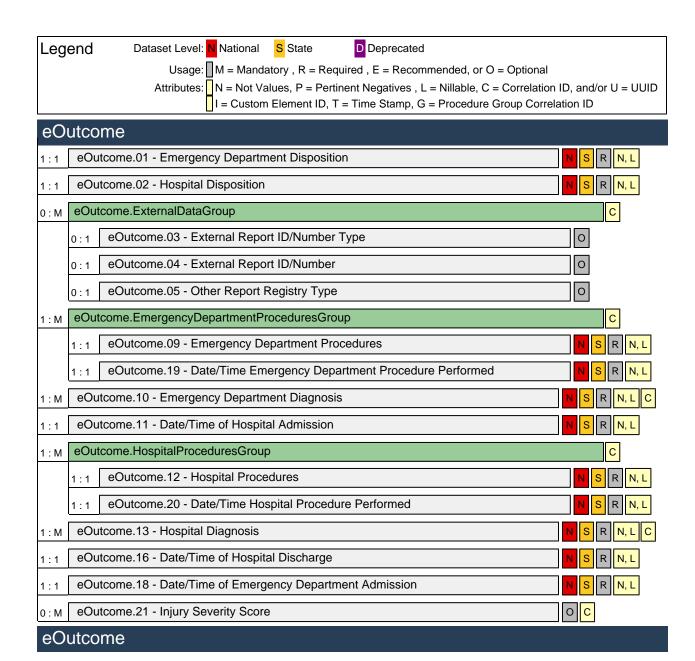
The level of care should be defined by the situation, medications, and procedures provided to the patient based on what is allowed in the local EMS protocols. This definition can vary between regions; what may be allowed for BLS providers in one region may be considered ALS care in another. This is not a reflection of the provider levels providing care, but the actual care given-for example, BLS care provided by a paramedic would be entered as "BLS". This element benefits reviews of performance, resource demand and utilization, and reimbursement coding.

# Version 3 Changes Implemented

Element added wit the release of v3.5.0

Rule ID	Level	Message
nemSch_e001	Error	When Level of Care Provided per Protocol is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Level of Care Provided per Protocol has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e187	Warning	Level of Care Provided per Protocol should be recorded (with a value other than "No Care Provided") when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

# **eOutcome**



State

**National** 

## eOutcome.01 - Emergency Department Disposition

#### Definition

The known disposition of the patient from the Emergency Department (ED).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E22_01	Is Nillable	Yes
Usage	Required	Recurrence	1:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of
	covered skills care
07	Left against medical advice or discontinued care
09	Admitted as an inpatient to this hospital.
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to a inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

#### **Data Element Comment**

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and FL 17 - Patient Discharge Status.

https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c25.pdf (see "FL 17 – Patient Discharge Status")

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

# Associated Validation Rules

Rule ID L	_evel l	Message
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nemSch\_e001 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).

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 FL 17 - Patient Discharge Status.

https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c25.pdf (see "FL 17 – Patient Discharge Status")

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

Rule ID	Level	Message
nemSch_e001	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).
nemSch_e002	Error	When Hospital Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

# eOutcome.03 - External Report ID/Number Type

# Definition

The Type of External Report or Record associated with the Report/ID Number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
4303001	Disaster Tag
4303003	Fire Incident Report
4303005	Hospital-Receiving
4303007	Hospital-Transferring
4303009	Law Enforcement Report
4303011	Other
4303013	Other Registry
4303015	Other Report
4303017	Patient ID
4303019	Prior EMS Patient Care Repor
4303021	STEMI Registry
4303023	Stroke Registry
4303025	Trauma Registry

# Data Element Comment

This data element is a merge based on the following Version 2.2.1 elements: E22\_03, E22\_04, E22\_05, and E22\_06

# Version 3 Changes Implemented

Added to allow documentation of external record and identification numbers.

# eOutcome.04 - External Report ID/Number

# Definition

The ID or Number of the external report or record in eOutcome.03.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring2100

# Data Element Comment

This data element is a merge based on the following Version 2.2.1 elements: E22\_03, E22\_04, E22\_05, and E22\_06

# Version 3 Changes Implemented

Added to allow documentation of external record and identification numbers.

# eOutcome.05 - Other Report Registry Type

# Definition

The type of external report/registry that was documented as "other" in eOutcome.03

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring250

# Data Element Comment

This element should be used only when other-report or other-registry is used eOutcome.03.

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State

National

# eOutcome.09 - Emergency Department Procedures

#### Definition

The procedures performed on the patient during the emergency department visit.

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

#### Constraints

#### **Pattern**

[0-9A-HJ-NP-Z]{3,7}

## **Data Element Comment**

ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1.

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

## Version 3 Changes Implemented

Added to better evaluate EMS care.

Rule ID Level	Message
nemSch_e001 Error	When Emergency Department Procedures is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Emergency Department Procedures has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

National

# eOutcome.19 - Date/Time Emergency Department Procedure Performed

#### Definition

The date/time the emergency department procedure was performed on 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

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** 

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

## **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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
'_'	

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Date/Time Emergency Department 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).

State

National

# eOutcome.10 - Emergency Department Diagnosis

## Definition

The practitioner's description of the condition or problem for which Emergency Department services were provided.

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

## Constraints

#### **Pattern**

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

#### **Data Element Comment**

Code list is represented in ICD-10-CM: Diagnosis Codes.

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

# Version 3 Changes Implemented

Added to better evaluate EMS care.

Rule ID Level	Message
nemSch_e001 Error	When Emergency Department Diagnosis is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Emergency Department Diagnosis has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Emergency Department Diagnosis has a Not Value, no other value should be recorded.

State

National

# eOutcome.11 - Date/Time of Hospital Admission

#### Definition

The date and time the patient was admitted to the hospital.

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

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

Pattern

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

#### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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 evaluate EMS care.

# Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Date/Time of Hospital Admission is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

State

National

# eOutcome.12 - Hospital Procedures

#### Definition

Hospital Procedures performed on the patient during the hospital admission.

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

# Constraints

#### **Pattern**

[0-9A-HJ-NP-Z]{3,7}

## **Data Element Comment**

ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1.

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

## Version 3 Changes Implemented

Added to better evaluate EMS care.

Rule ID	Level	Message
nemSch_e001	Error	When Hospital Procedures is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When Hospital Procedures has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

National

# eOutcome.20 - Date/Time Hospital Procedure Performed

#### Definition

The date/time the hospital procedure was performed on 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

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**

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

## **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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		
'_'			

#### Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Date/Time Hospital 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).

State

National

# eOutcome.13 - Hospital Diagnosis

## Definition

The hospital diagnosis of the patient associated with the hospital admission.

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Constraints

#### **Pattern**

 $[A-Z][0-9][0-9A-Z]((\backslash [0-9A-Z]\{1,4\})?)$ 

# **Data Element Comment**

Code list is represented in ICD-10-CM: Diagnosis Codes.

Website - <a href="http://uts.nlm.nih.gov">http://uts.nlm.nih.gov</a>
Product - UMLS Metathesaurus

## Version 3 Changes Implemented

Added to better evaluate EMS care.

Rule ID Level	Message
nemSch_e001 Error	When Hospital Diagnosis is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Hospital Diagnosis has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 Warning	When Hospital Diagnosis has a Not Value, no other value should be recorded.

State

National

# eOutcome.16 - Date/Time of Hospital Discharge

#### Definition

The date the patient was discharged from the hospital.

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

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

Patterr

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

#### **Data Element Comment**

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

уууу	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		
Т	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		
zzzzz	(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 measure patient outcome.

# Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error

When Date/Time of Hospital Discharge is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

State

National

# eOutcome.18 - Date/Time of Emergency Department Admission

#### Definition

The date and time the patient was admitted to the emergency department.

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

#### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

#### **Data Element Comment**

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

уууу	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		
Т	separator that indicates time-of-day follows		
hh	a two-digit numeral that represents the hour		
1:1	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		
zzzzz	(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		

Message

## Associated Validation Rules

Level

Rule ID

nemSch e001 Error	When Date/Time of Emergency Department Admission is empty, it should have a Not Value (Not
	Applicable, Not Recorded, or Not Reporting, 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\_e002 Error When Date/Time of Emergency Department Admission has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eOutcome.21 - Injury Severity Score

# Definition

The patient's total Injury Severity Score.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

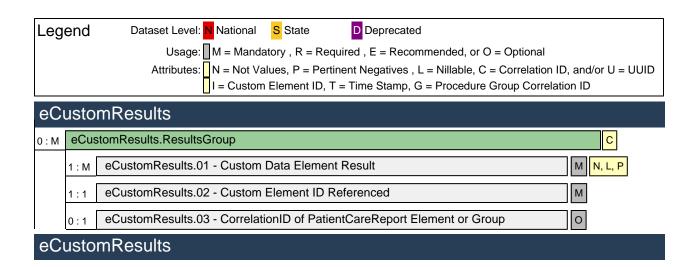
Constraints

Data Type minInclusive maxInclusive

integer 0 75

Data Element Comment

# **eCustomResults**



# eCustomResults.01 - Custom Data Element Result

## Definition

The actual value or values chosen (if values listed in eCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element.

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

## Attributes

## NOT Values (NV)

## **Pertinent Negatives (PN)**

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

8801001 - Contraindication Noted
8801003 - Denied By Order
8801007 - Medication Allergy
8801005 - Medication Allergy
8801015 - None Reported
8801007 - Not Performed by EMS
8801021 - Unresponsive
8801023 - Unable to Complete
8801005 - Exam Finding Not Present
8801001 - No Known Drug Allergy
8801001 - Not Performed by EMS
8801001 - Not Performed by EMS
8801001 - Not Present

8801027 - Order Criteria Not Met 8801029 - Approximate 8801031 - Symptom Not Present

#### Constraints

Data Type	minLength	maxLength
string	1	100000

## **Data Element Comment**

# Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

# eCustomResults.02 - Custom Element ID Referenced

# Definition

References the CustomElementID attribute for eCustomConfiguration.CustomGroup.

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

S

Data TypeminLengthmaxLengthstring2255

Data Element Comment

# eCustomResults.03 - CorrelationID of PatientCareReport Element or Group

# Definition

References the CorrelationID attribute of an element or group in the PatientCareReport section.

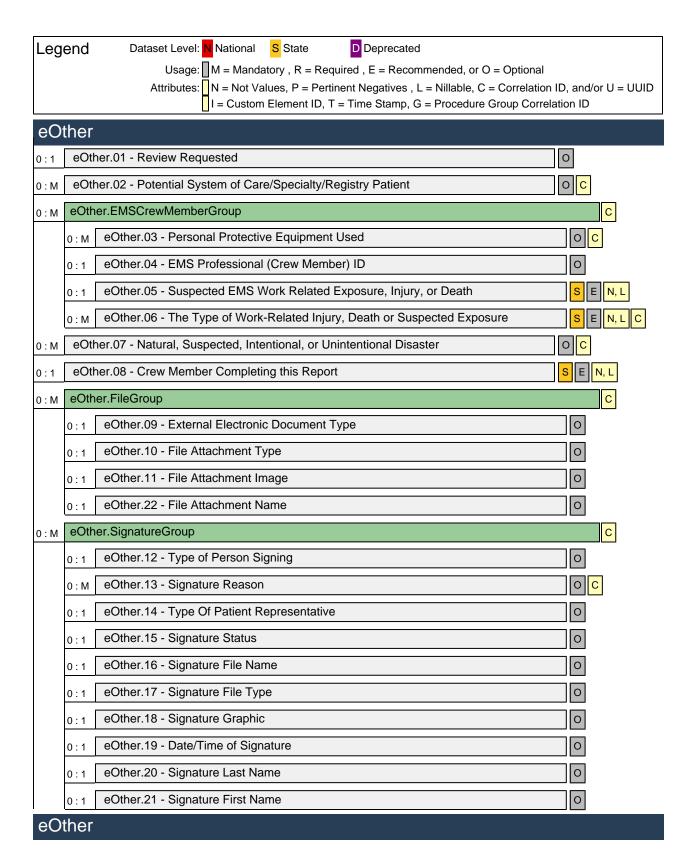
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminLengthmaxLengthstring2255

Data Element Comment

# **eOther**



# eOther.01 - Review Requested

### Definition

Indication of whether the PCR needs review by anyone.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_01	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Description

**Code Des** 9923001 No 9923003 Yes

### eOther.02 - Potential System of Care/Specialty/Registry Patient

### Definition

An indication if the patient may meet the entry criteria for an injury or illness specific registry.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_02	Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

### Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

 Code
 Description

 4502001
 Airway

 4502003
 Burn

 4502005
 Cardiac/MI

 4502007
 CVA/Stroke

 4502009
 Drowning

 4502011
 Other

 4502013
 Spinal Cord Injury

 4502015
 STEMI/Acute Cardiac

 4502017
 Trauma

4502019 Traumatic Brain Injury

### eOther.03 - Personal Protective Equipment Used

### Definition

The personal protective equipment which was used by EMS personnel during this EMS patient contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	sion 2 Element E23_03		No
Usage	Optional	Recurrence	0 : M

### Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

Code	Description
4503001	Eye Protection
4503003	Gloves
4503005	Helmet
4503007	Level A Suit
4503009	Level B Suit
4503011	Level C Suit
4503013	Level D Suit (Turn out gear)
4503015	Mask-N95
4503017	Mask-Surgical (Non-Fitted)
4503019	Other
4503021	PAPR
4503023	Reflective Vest

# eOther.04 - EMS Professional (Crew Member) ID

### Definition

The ID number of the EMS Crew Member associated with eOther.03, eOther.05, eOther.06.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

Data Type	minLength	maxLength
string	2	50

# **Data Element Comment**

Added to allow documentation of PPE and work related health and safety down to the individual level within each EMS crew.

### Version 3 Changes Implemented

Added to better document EMS workplace health and safety issues.

State

# 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	No	Pertinent Negatives (PN)	No	
State Element	e Element Yes		Yes	
Version 2 Element	E23_05	Is Nillable	Yes	
Usage	Recommended	Recurrence	0:1	

### Attributes

### NOT Values (NV)

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

### 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
nemSch_e001	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).
nemSch_e002	2 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.

State

# eOther.06 - The Type of Work-Related Injury, Death or Suspected Exposure

### Definition

The type of EMS crew member work-related injury, death, or suspected exposure related to the EMS response.

National Element	No	Pertinent Negatives (PN)	No
State Element	ate Element Yes		Yes
Version 2 Element	E23_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

Code	Description
4506001	Death-Cardiac Arrest
4506003	Death-Injury Related
4506005	Death-Other
4506007	Exposure-Airborne Respiratory/Biological/Aerosolized Secretions
4506009	Exposure-Body Fluid Contact to Broken Skin
4506011	Exposure-Body Fluid Contact with Eye
4506013	Exposure-Body Fluid Contact with Intact Skin
4506015	Exposure-Body Fluid Contact with Mucosal Surface
4506017	Exposure-Needle Stick with Body Fluid Injection
4506019	Exposure-Needle Stick without Body Fluid Injection
4506021	Exposure-Toxin/Chemical/Hazmat
4506023	Injury-Lifting/Back/Musculoskeletal
4506025	Injury-Other
4506027	None
4506029	Other
4506031	Violence - Offensive, intimidating, or hateful language
4506033	Violence - Physical threat, or threatening behavior
4506035	Violence - Physical attack or attempt to attack
4506037	Violence - Unwelcome sexual attention, remarks, jokes or gestures
4506039	Violence - Unwanted touching of a sexual nature
4506041	Struck-by - Struck by vehicle along roadway

### Data Element Comment

Associated witheOther.04 (EMS Professional (Crew Member) ID).

# Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When The Type of Work-Related Injury, Death or Suspected Exposure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002	Error	When The Type of Work-Related Injury, Death or Suspected Exposure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When The Type of Work-Related Injury, Death or Suspected Exposure has a Not Value, no other value should be recorded.

# eOther.07 - Natural, Suspected, Intentional, or Unintentional Disaster

### Definition

Event caused by natural forces or Suspected and Intentional/Unintentional Disasters (terrorism).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_04	Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Associated Performance Measure Initiatives

Trauma

### Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

Code	Description
4507001	Biologic Agent
4507003	Building Failure
4507005	Chemical Agent
4507007	Explosive Device
4507009	Fire
4507011	Hostage Event
4507013	Mass Gathering
4507015	Mass Illness
4507017	Nuclear Agent
4507019	Radioactive Device
4507021	Secondary Destructive Device
4507023	Shooting/Sniper
4507025	Vehicular
4507027	Weather (Other)
4507029	Earthquake
4507031	Flood
4507033	Land Slide
4507035	Winter Storm
4507037	Tornado
4507039	Hurricane

### Data Element Comment

Based on FEMA website

State

# eOther.08 - Crew Member Completing this Report

### Definition

The statewide assigned ID number of the EMS crew member which completed this patient care report.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E23_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

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

### Constraints

Data TypeminLengthmaxLengthstring250

### **Data Element Comment**

If the EMS Professional has a specific ID associated with two states, the ID used would typically be based on the EMS Agencies state license.

### Associated Validation Rules

Rule ID Level	Message
nemSch_e001 Error	When Crew Member Completing this Report is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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_e002 Error	When Crew Member Completing this Report has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eOther.09 - External Electronic Document Type

### Definition

Document type which has been electronically stored with PCR.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Code List

Code	Description
4509001	Other Audio Recording
4509003	Billing Information
4509005	Diagnostic Image (CT, X-ray, US, etc.)
4509006	DNR
4509008	Living Will
4509009	ECG/Lab Results
4509011	Guardianship/Power of Attorney
4509013	Other Healthcare Record
4509015	Other
4509017	Patient Identification
4509019	Patient Refusal Sheet
4509021	Other Picture/Graphic
4509025	Other Video/Movie
4509027	ePCR

### **Data Element Comment**

Added to allow an improved implementation of electronic healthcare records.

# Version 3 Changes Implemented

Added to allow an improved implementation of electronic healthcare records.

### eOther.10 - File Attachment Type

### Definition

The description of the file attachment stored in File Attachment Image (eOther.11).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

Data TypeminLengthmaxLengthstring1255

### **Data Element Comment**

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d\_image Raster Image formats: http://www.fileinfo.com/filetypes/raster\_image Vector Image formats: http://www.fileinfo.com/filetypes/vector\_image

Video formats: http://www.fileinfo.com/filetypes/video Audio formats: http://www.fileinfo.com/filetypes/audio

### Comparison of formats:

Image: http://en.wikipedia.org/wiki/Comparison\_of\_image\_file\_formats

Audio: http://en.wikipedia.org/wiki/Audio\_file\_format

Container: http://en.wikipedia.org/wiki/Comparison\_of\_container\_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image\_file\_formats

Mime Types: http://en.wikipedia.org/wiki/Internet\_media\_type

### Version 3 Changes Implemented

Added to allow an improved implementation of electronic healthcare records.

# eOther.11 - File Attachment Image

### Definition

The file that is attached electronically to the patient care report.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

### **Data Type** base64Binary

# Data Element Comment

Associated with eOther.09 (External Electronic Documents) and eOther.10 (File Attachment Type).

### Version 3 Changes Implemented

Added to allow an improved implementation of electronic healthcare records.

# eOther.22 - File Attachment Name

### Definition

### The name of the attached file.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type<br/>stringmaxLength<br/>255

# eOther.12 - Type of Person Signing

### Definition

The individual's signature associated with eOther.15 (Signature Status).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
4512001	EMS Crew Member (Other)
4512003	EMS Primary Care Provider (for this event)
4512005	Healthcare Provider
4512007	Medical Director
4512009	Non-Healthcare Provider
4512011	Online Medical Control Healthcare Practitioner
4512013	Other
4512015	Patient
4512017	Patient Representative
4512019	Witness

### Data Element Comment

### Version 3 Changes Implemented

Added to better document disposition and billing information.

# eOther.13 - Signature Reason

### Definition

# The reason for the individuals signature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

4513003 Permission to Treat 4513005 Release for Billing 4513007 Transfer of Patient Care	
4513009 Refusal of Care	
4513011 Controlled Substance, Administration	
4513013 Controlled Substance, Waste	
4513015 Airway Verification	
4513017 Patient Belongings (Receipt)	
4513019 Permission to Transport	
4513021 Refusal of Transport	
4513023 Other	

# eOther.14 - Type Of Patient Representative

### Definition

If Patient Representative is chosen as the owner of the signature, this documents the relationship of the individual signing to the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Code List

Description
Aunt
Brother
Daughter
Discharge Planner
Domestic Partner
Father
Friend
Grandfather
Grandmother
Guardian
Husband
Law Enforcement
MD/DO
Mother
Nurse (RN)
Nurse Practitioner (NP)
Other Care Provider (Home health, hospice, etc.)
Other
Physician's Assistant (PA)
Power of Attorney
Other Relative
Self
Sister
Son
Uncle
Wife

### Data Element Comment

Required for Billing.

# Version 3 Changes Implemented

Added to improve documentation on disposition and billing.

# eOther.15 - Signature Status

### Definition

Indication that the signature for the Type of Person Signing and Signature Reason has been collected or attempted to be collected.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Code List

Code	Description
4515001	Not Signed - Crew Called out to another call
4515003	Not Signed - Deceased
4515005	Not Signed - Due to Distress Level
4515007	Not Signed - Equipment Failure
4515009	Not Signed - In Law Enforcement Custody
4515011	Not Signed - Language Barrier
4515013	Not Signed - Mental Status/Impaired
4515015	Not Signed - Minor/Child
4515017	Not Signed - Physical Impairment of Extremities
4515019	Not Signed - Refused
4515021	Not Signed - Transferred Care/No Access to Obtain Signature
4515023	Not Signed - Unconscious
4515025	Not Signed -Visually Impaired
4515027	Physical Signature/Paper Copy Obtained
4515031	Signed
4515033	Signed-Not Patient
4515035	Not Signed-Illiterate (Unable to Read)
4515037	Not Signed-Restrained
4515039	Not Signed-Combative or Uncooperative

# Data Element Comment

# Version 3 Changes Implemented

# eOther.16 - Signature File Name

### Definition

The name of the graphic file for the signature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type<br/>stringmaxLength<br/>255

### eOther.17 - Signature File Type

### Definition

The description of the file attachment stored in Signature Graphic (eOther.18).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

Data TypeminLengthmaxLengthstring1255

### **Data Element Comment**

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d\_image Raster Image formats: http://www.fileinfo.com/filetypes/raster\_image Vector Image formats: http://www.fileinfo.com/filetypes/vector\_image

Video formats: http://www.fileinfo.com/filetypes/video Audio formats: http://www.fileinfo.com/filetypes/audio

### Comparison of formats:

Image: http://en.wikipedia.org/wiki/Comparison\_of\_image\_file\_formats

Audio: http://en.wikipedia.org/wiki/Audio\_file\_format

Container: http://en.wikipedia.org/wiki/Comparison\_of\_container\_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image\_file\_formats

Mime Types: http://en.wikipedia.org/wiki/Internet\_media\_type

# eOther.18 - Signature Graphic

### Definition

The graphic file for the signature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

**Data Type** base64Binary

# Data Element Comment

# Version 3 Changes Implemented

### eOther.19 - Date/Time of Signature

### Definition

The date and time crew member, or patient, patient representative, or facility representative signature was captured.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

Data Type minInclusive maxInclusive

dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

**Pattern** 

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

### **Data Element Comment**

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

уууу	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
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
1:1	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
zzzzz	(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

# eOther.20 - Signature Last Name

### Definition

The last name of the crew member, patient, patient representative, or facility representative associated with the associated signature group.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

### Constraints

Data TypeminLengthmaxLengthstring160

### Data Element Comment

### Version 3 Changes Implemented

# eOther.21 - Signature First Name

### Definition

The first name of the crew member, patient, patient representative, or facility representative associated with the associated signature group.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

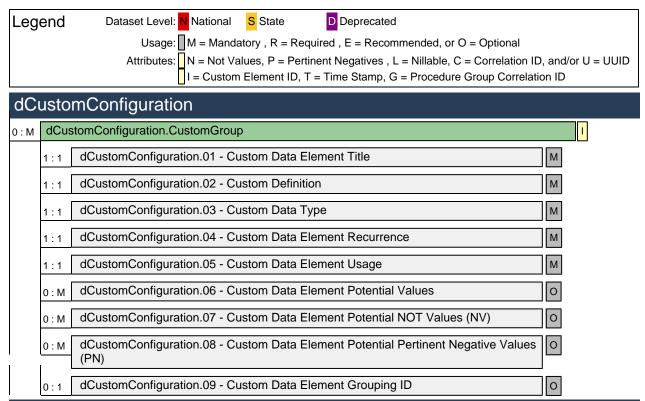
### Constraints

Data TypeminLengthmaxLengthstring150

### Data Element Comment

### Version 3 Changes Implemented

# dCustomConfiguration



### dCustomConfiguration.01 - Custom Data Element Title

### Definition

This is the title of the custom data element created to collect information that is not defined formally in NEMSIS Version 3.

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

### Attributes

### nemsisElement

Data Type: anySimpleType whiteSpace: preserve

### Constraints

Data Type	minLength	maxLength
string	2	100

### Data Element Comment

This is grouped with all data elements in this section and can have multiple instances.

# Version 3 Changes Implemented

# dCustomConfiguration.02 - Custom Definition

### Definition

The definition of the custom element and how it should be used.

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

### Constraints

Data Type	minLength	maxLength
string	2	255

# dCustomConfiguration.03 - Custom Data Type

### Definition

# The data type of the custom element.

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

# Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other
9902009	Text/String
9902011	Boolean

# dCustomConfiguration.04 - Custom Data Element Recurrence

### Definition

Indication if the data element will accept multiple values.

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

### Code List

**Code** Description 9923001 No

9923003 Yes

Data Element Comment

# Version 3 Changes Implemented

### dCustomConfiguration.05 - Custom Data Element Usage

### Definition

The Usage (Mandatory, Required, Recommended, or Optional) for the Custom Data Element.

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

### Code List

CodeDescription9903001Mandatory9903003Required9903005Recommended9903007Optional

### **Data Element Comment**

Mandatory = Must be completed and will not accept null values
Required = Must be completed but will accept null values
Recommended = Not required but if collected will accept null values
Optional = Not required but if collected, it cannot be a null value.

### Version 3 Changes Implemented

### dCustomConfiguration.06 - Custom Data Element Potential Values

### Definition

The values which are associated with the Custom Data Element. Values would be the choices provided to the user when they document the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Attributes

### nemsisCode

Data Type: anySimpleType whiteSpace: preserve

customValueDescription

Data Type: anySimpleType whiteSpace: preserve

### Constraints

Data TypeminLengthmaxLengthstring1100

### **Data Element Comment**

### Version 3 Changes Implemented

# dCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)

### Definition

### NOT Values (NV) associated with the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

# dCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)

### Definition

# Pertinent Negative Values (PN) associated with the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

### Code List

Code 8801001 8801003 8801005 8801007 8801009	Description Contraindication Noted Denied By Order Exam Finding Not Present Medication Allergy Medication Already Taken
8801013 8801015 8801017 8801019 8801021 8801023 8801025 8801027 8801029	No Known Drug Allergy None Reported Not Performed by EMS Refused Unresponsive Unable to Complete Not Immunized Order Criteria Not Met Approximate
8801031	Symptom Not Present

# dCustomConfiguration.09 - Custom Data Element Grouping ID

### Definition

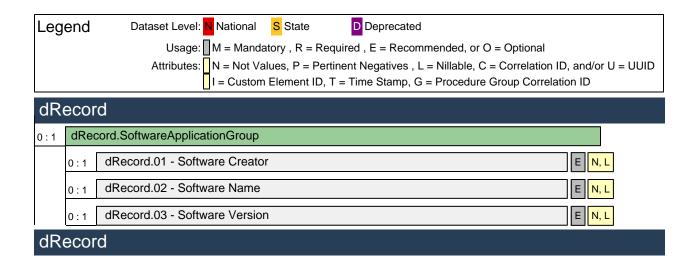
# ID for custom element grouping.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring2255

# dRecord



NEMSIS Version 3.5.1.240701CR1 dRecord.01

### dRecord.01 - Software Creator

### Definition

The name of the vendor who designed the application that created the record for the agency listed in dAgency02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

### Constraints

Data TypeminLengthmaxLengthstring150

# Data Element Comment

This was added to document the software used to generate the Demographic XML file. This is not the last software which sent the demographic file from another software.

### Associated Validation Rules

Rule ID	Level	Message
nemSch_d00	)1 <mark>Error</mark>	When Software Creator is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 Error	When Software Creator has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dRecord.02 NEMSIS Version 3.5.1.240701CR1

# dRecord.02 - Software Name

### Definition

The name of the application used to create the record for the agency listed in dAgency.02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

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

### Constraints

**Data Type** minLength maxLength string 50

### **Data Element Comment**

This was added to document the software used to generate the Demographic XML file. This is not the last software which sent the demographic file from another software.

Rule ID	Level	Message
nemSch_d00 <sup>2</sup>	1 Error	When Software Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 <mark>Error</mark>	When Software Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dRecord.03 NEMSIS Version 3.5.1.240701CR1

# dRecord.03 - Software Version

### Definition

The version of the application used to create the record for the agency listed in dAgency.02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

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

Constraints

minLength **Data Type** maxLength string 50

### **Data Element Comment**

This was added to document the software version used to generate the Demographic XML file. This is not the last software which sent the demographic file from another software.

Rule ID	Level	Message
nemSch_d00	1 Error	When Software Version is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 <mark>Error</mark>	When Software Version has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# dAgency

Lege						
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional					
	Attributes: N = Not Values, P = Pertinent Negatives, L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation					
dAg	gency					
1:1	dAgency.01 - EMS Agency Unique State ID	N S M				
1:1	dAgency.02 - EMS Agency Number	N S M				
0:1	dAgency.03 - EMS Agency Name	S E N, L				
1:1	dAgency.04 - EMS Agency State	N S M				
1 : M	dAgency.AgencyServiceGroup	CU				
	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 C				
	1: M dAgency.07 - EMS Agency Census Tracts	N S R N, L C				
	1 : M dAgency.08 - EMS Agency Service Area ZIP Codes	N S R N,L C				
1:1	dAgency.09 - Primary Type of Service	N S M				
0 : M	dAgency.10 - Other Types of Service	S E N, L C				
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				
0 : M	dAgency.AgencyYearGroup	CU				
	0 : 1 dAgency.15 - Statistical Calendar Year	S E N, L				
	0:1 dAgency.16 - Total Primary Service Area Size	S E N, L				
	0:1 dAgency.17 - Total Service Area Population	S E N, L				
	0:1 dAgency.18 - 911 EMS Call Center Volume per Year	S E N, L				
	0:1 dAgency.19 - EMS Dispatch Volume per Year	S E N, L				
	0:1 dAgency.20 - EMS Patient Transport Volume per Year	S E N, L				
	0:1 dAgency.21 - EMS Patient Contact Volume per Year	S E N, L				
	0:1 dAgency.22 - EMS Billable Calls per Year	S E N, L				
0:1	dAgency.23 - EMS Agency Time Zone	0				
0:1	dAgency.24 - EMS Agency Daylight Savings Time Use	0				
1 : M	dAgency.25 - National Provider Identifier	N S R N, L C				
1 : M	dAgency.26 - Fire Department ID Number	N S R N, L C				
0:1	dAgency.27 - Licensed Agency	0				
dAg	gency					
Asso	ociated Validation Rules					

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

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

Associat	ed Performance I	Measure Initi	atives				
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 TypeminLengthmaxLengthstring115

### **Data Element Comment**

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

### dAgency.03 - EMS Agency Name

### Definition

The formal name of the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

# NOT Values (NV)

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

### Constraints

Data TypeminLengthmaxLengthstring2100

### **Data Element Comment**

### Associated Validation Rules

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

nemSch\_d001 Error When EMS Agency Name is empty, it should have a Not Value (Not Applicable, Not Recorded,

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

nemSch\_d002 Error When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

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 associated with the EMS Agency number listed in dAgency.02 – EMS Agency Number.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID	Level	Message
nemSch_d01	0 Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d01	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.
nemSch_d01	3 Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.

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

Rule ID	Level	Message
nemSch_d006	6 Error	EMS Agency Service Area County(ies) should belong to the state with which it is grouped.
nemSch_d007	7 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

### Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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	l evel	Message

nemSch\_d006 Error EMS Agency Service Area County(ies) should belong to the state with which it is grouped.

nemSch\_d007 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.



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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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-files/2010/geo/relationship-files.html

Rule ID	Level	Message
nemSch_d001	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 it should be omitted (if the element is optional).
nemSch_d002	2 Error	When EMS Agency Census Tracts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMS Agency Census Tracts has a Not Value, no other value should be recorded.
nemSch_d007	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.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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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: <a href="https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/">https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</a> Product: USA - 5-digit ZIP Code Database, Commercial Edition

Rule ID	Level	Message
nemSch_d00′	1 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 it should be omitted (if the element is optional).
nemSch_d002	2 Error	When EMS Agency Service Area ZIP Codes has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	3 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

Airwav	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

# **Data Element Comment**

9920019 Critical Care (Ground)

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

# dAgency.10 - Other Types of Service

### Definition

The other service type(s) which are provided by the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Associated Performance Measure Initiatives

Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

### Attributes

**NOT Values (NV)** 

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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

If no other services are provided beyond the Primary Service Type, Not Applicable should be used. This should include all of the types of services not listed in (dAgency.09) Primary Type of Service.

Rule ID	Level	Message
nemSch_d001	1 Error	When Other Types of Service is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 <mark>Error</mark>	When Other Types of Service has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	3 Warning	When Other Types of Service has a Not Value, no other value should be recorded.

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	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	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.

Rule ID	Level	Message
nemSch_d01	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.
nemSch_d01	3 Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.

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

Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

### Code List

CodeDescription1016001Mixed1016003Non-Volunteer1016005Volunteer

### Data Element Comment

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

dAgency.13 NEMSIS Version 3.5.1.240701CR1

**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

Airwav	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	
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Fire Department ID Number should be recorded when Organizational Type is "Fire Department". nemSch\_d008 Warning

nemSch\_d009 Warning Fire Department ID Number should only be recorded when Organizational Type is "Fire

Department".

State

**National** 

# dAgency.14 - EMS Agency Organizational Tax Status

### Definition

The EMS Agencies business/corporate organizational tax status.

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Code List

**Code** Description 1018001 For Profit

1018003 Other (e.g., Government)

1018005 Not For Profit

### **Data Element Comment**

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

### dAgency.15 - Statistical Calendar Year

### Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

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

### 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 entry to allow data to be stored on several years. This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02) and elements dAgency.16 through dAgency.22.

Rule ID	Level	Message
nemSch_d00	1 <mark>Error</mark>	When Statistical Calendar Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 Error	When Statistical Calendar Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# dAgency.16 - Total Primary Service Area Size

### Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_12	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

### **NOT Values (NV)**

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

### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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

Rule ID	Level	Message
nemSch_d00	1 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 it should be omitted (if the element is optional).
nemSch_d00	2 <mark>Error</mark>	When Total Primary Service Area Size has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

### dAgency.17 - Total Service Area Population

### Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_13	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

# NOT Values (NV)

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

### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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

tule ID Level	Message
emSch_d001 <mark>Error</mark>	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 it should be omitted (if the element is optional).

nemSch\_d002 Error When Total Service Area Population has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dAgency.18

State

### 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	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_14	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

### **NOT Values (NV)**

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

### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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"

Rule ID	Level	Message
nemSch_d001	1 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 it should be omitted (if the element is optional).
nemSch_d002	2 Error	When 911 EMS Call Center Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

### dAgency.19 - EMS Dispatch Volume per Year

### Definition

The number of EMS dispatches during the last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

### **NOT Values (NV)**

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

### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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.

Rule ID	Level	Message
nemSch_d00	1 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 it should be omitted (if the element is optional).
nemSch_d002	2 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	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_16	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

### **NOT Values (NV)**

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

# Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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
nemSch_d001 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 it should be omitted (if the element is optional).

nemSch\_d002 Error When EMS Patient Transport Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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

### Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_17	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

### **NOT Values (NV)**

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

### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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

Dula ID	Lavial	M
Rule ID	Level	Message

nemSch\_d001 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 it should be omitted (if

the element is optional).

nemSch\_d002 Error When EMS Patient Contact Volume per Year has a Not Value (Not Applicable, Not Recorded, or

Not Reporting), it should be empty.

# dAgency.22 - EMS Billable Calls per Year

### Definition

The number of EMS patient encounters which are billable based on the last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_18	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

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

### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger1400,000,000

### **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.

Rule ID	Level	Message
nemSch_d00′	1 Error	When EMS Billable Calls per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 <mark>Error</mark>	When EMS Billable Calls per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# dAgency.23 - EMS Agency Time Zone

# Definition

# The time zone for the EMS Agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D01_19	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
1027001	All other time zones
1027003	GMT-04:00 Atlantic Time
1027005	GMT-05:00 Eastern Time
1027007	GMT-06:00 Central Time
1027009	GMT-07:00 Mountain Time
1027011	GMT-08:00 Pacific Time
1027013	GMT-09:00 Alaska
1027015	GMT-10:00 Hawaii
1027017	GMT-11:00 Midway Island, Samoa

### Data Element Comment

Associated with each of the EMS Agency Number (dAgency.02). If more than one Time Zone is located within the EMS Agency service area, please chose the time zone covering the greatest volume of EMS events.

# dAgency.24 - EMS Agency Daylight Savings Time Use

### Definition

Indicate if the EMS Agency conforms to Daylight Savings Time.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D01_20	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

# Code List

Code Description 9923001 No 9923003 Yes

### **Data Element Comment**

Associated with each of the EMS Agency Number (dAgency.02). If the EMS Agency service area contains areas with variations in Daylight Savings Time implementation, choose the response which best represents the majority of the EMS events.

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Constraints

Data Type length string 10

### **Data Element Comment**

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

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

Rule ID	Level	Message
nemSch_d00	1 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 it should be omitted (if the element is optional).
nemSch_d00	2 <mark>Error</mark>	When National Provider Identifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d00	3 Warning	When National Provider Identifier has a Not Value, no other value should be recorded.

State

**National** 

### dAgency.26 - Fire Department ID Number

### Definition

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

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

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Constraints

Data TypeminLengthmaxLengthstring120

### **Data Element Comment**

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

### Version 3 Changes Implemented

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

Rule ID	Level	Message
nemSch_d001	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 it should be omitted (if the element is optional).
nemSch_d002	Error	When Fire Department ID Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Fire Department ID Number has a Not Value, no other value should be recorded.
nemSch_d008	Warning	Fire Department ID Number should be recorded when Organizational Type is "Fire Department".
nemSch_d009	Warning	Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".

# dAgency.27 - Licensed Agency

# Definition

Indication if the agency is licensed by the state that issued the EMS Agency Number (dAgency.02).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

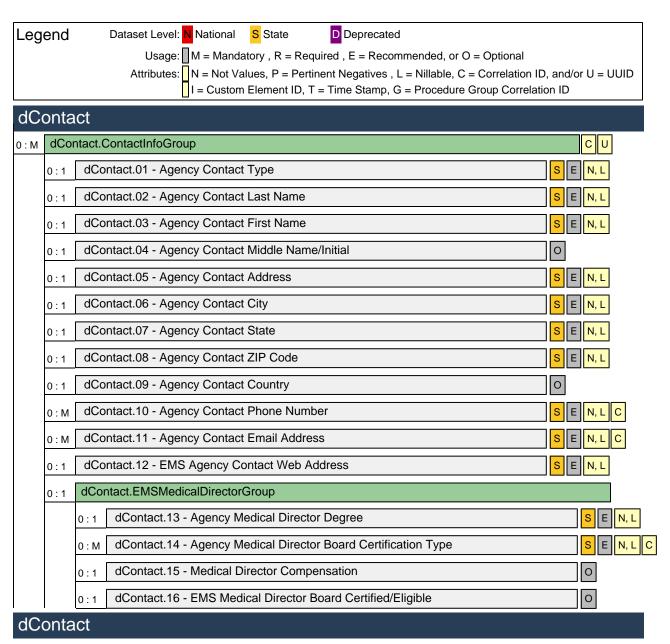
# Code List

CodeDescription9923001No9923003Yes

### **Data Element Comment**

Associated with each of the EMS Agency Number (dAgency.02).

# dContact



# Associated Validation Rules

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

# dContact.01 - Agency Contact Type

# Definition

The contact type within the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

# Attributes

# NOT Values (NV)

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

### Code List

Code	Description
1101001	Administrative Assistant
1101003	EMS Agency Director/Chief/Lead Administrator/CEO
1101005	EMS Assistant Agency Director/Chief/Administrator/CEO
1101007	EMS Assistant Medical Director
1101009	EMS IT/Data Specialist
1101011	EMS Medical Director
1101013	EMS Quality/Performance Improvement Specialist
1101015	EMS Training/Education Specialist
1101017	Other

# Data Element Comment

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

### dContact.02 - Agency Contact Last Name

### Definition

The last name of the agency's primary contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

NOT Values (NV)

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

Constraints

Data TypeminLengthmaxLengthstring160

## **Data Element Comment**

### Associated Validation Rules

Rule ID	Level	Message
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nemSch\_d001 Error When Agency Contact Last Name is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is

optional).

nemSch\_d002 Error When Agency Contact Last Name has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

State

### dContact.03 - Agency Contact First Name

### Definition

The first name of the agency's primary contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

NOT Values (NV)

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

Constraints

Data TypeminLengthmaxLengthstring150

### **Data Element Comment**

### Associated Validation Rules

Rule ID	Level	Message
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nemSch\_d001 Error When Agency Contact First Name is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is

optional).

nemSch\_d002 Error When Agency Contact First Name has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

NEMSIS Version 3.5.1.240701CR1 dContact.04

# dContact.04 - Agency Contact Middle Name/Initial

# Definition

The middle name or initial of the agency's primary contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D02_02	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

Data	Element	Comment
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# dContact.05 - Agency Contact Address

### Definition

The street address of the agency contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_04	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

NOT Values (NV)

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

StreetAddress2

Data Type: string minLength: 1 maxLength: 255

### Constraints

Data TypeminLengthmaxLengthstring1255

### **Data Element Comment**

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Rule ID	Level	Message
nemSch_d00	1 Error	When Agency Contact Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 <mark>Error</mark>	When Agency Contact Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

### dContact.06 - Agency Contact City

### Definition

The city of the EMS contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_05	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

### **Data Element Comment**

The city should be the mailing address for each contact type for the EMS agency. The EMS agency primary address information (e.g., City) should be entered for the Agency Contact Type (dContact.05) "EMS Agency Director/Chief/Lead Administrator/CEO".

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID	Level	Message
nemSch_d00	1 Error	When Agency Contact City is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 Error	When Agency Contact City has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# dContact.07 - Agency Contact State

### Definition

The state of the Agency contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

NOT Values (NV)

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

### Constraints

### **Pattern**

[0-9]{2}

### **Data Element Comment**

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency. Based on the state ANSI Code. For individuals living outside the USA full address to be entered in the address line.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Rule ID Level	Message
nemSch_d001 Error	When Agency Contact State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002 Error	When Agency Contact State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# dContact.08 - Agency Contact ZIP Code

### Definition

The ZIP code of the Agency's contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

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

### 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**

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

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

Rule II	D Lev	vel Me	essage
nemSc	ch_d001 <mark>Erro</mark>	Re	nen Agency Contact ZIP Code is empty, it should have a Not Value (Not Applicable, Not corded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is tional).
nemSc	ch_d002 Erro		nen Agency Contact ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not porting), it should be empty.

NEMSIS Version 3.5.1.240701CR1 dContact.09

# dContact.09 - Agency Contact Country

### Definition

The Country code of the Agency's contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescriptionCACanadaMXMexicoUSUnited States

### **Data Element Comment**

The International Organization for Standardization (ISO) ISO 3166-1-alpha-2 code element for the country. The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency. For individuals living outside the USA full address to be entered in the address line.

ANSI Country Codes (ISO 3166): https://www.iso.org/iso-3166-country-codes.html

State

# dContact.10 - Agency Contact Phone Number

### Definition

### Agency contact phone number.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

PhoneNumberType

9913001 - Fax 9913003 - Home 9913005 - Mobile

9913007 - Pager 9913009 - Work

# Constraints

### Pattern

### **Data Element Comment**

Rule ID Level	Message
nemSch_d001 Error	When Agency Contact Phone Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002 Error	When Agency Contact Phone Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003 Warning	When Agency Contact Phone Number has a Not Value, no other value should be recorded.

State

# dContact.11 - Agency Contact Email Address

### Definition

The primary email address of the Agency contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

**EmailAddressType** 

9904001 - Personal 9904003 - Work

### Constraints

Data TypeminLengthmaxLengthstring3100

Pattern

.+@.+

### **Data Element Comment**

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Email Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	? Error	When Agency Contact Email Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning Warning	When Agency Contact Email Address has a Not Value, no other value should be recorded.

State

# dContact.12 - EMS Agency Contact Web Address

### Definition

The primary website address of the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

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

### Constraints

Data TypeminLengthmaxLengthstring3255

### **Data Element Comment**

The EMS agency website address should be entered for the Agency Contact Type (dContact.05) "EMS Agency Director/Chief/Lead Administrator/CEO". The EMS agency website address or other websites are optional for other contact types (e.g., Administrative Assistant, EMS Medical Director, etc.).

Rule ID	Level	Message
nemSch_d00	1 Error	When EMS Agency Contact Web Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 Error	When EMS Agency Contact Web Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

NEMSIS Version 3.5.1.240701CR1 dContact.13

State

# dContact.13 - Agency Medical Director Degree

### Definition

The medical school degree type of the EMS Medical Director.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

### Attributes

### NOT Values (NV)

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

### Code List

Code	Description
1113001	Doctor of Medicine
1113003	Doctor of Osteopathy

### Data Element Comment

The Medical Director Information has been merged into Section dContact. This data element is now associated with the Medical Director and Assistant Medical Director Contacts in Section dContact.

Rule ID	Level	Message
nemSch_d00	1 Error	When Agency Medical Director Degree is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 Error	When Agency Medical Director Degree has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

### dContact.14 - Agency Medical Director Board Certification Type

### Definition

Documentation of the type of board certification of the EMS Agency Medical Director.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Code List

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Code	Description Allerent and Impune land
1114001	Allergy and Immunology
1114003	Anesthesiology
1114005	Colon and Rectal Surgery
1114007	Dermatology
1114009	Emergency Medicine
1114011	Family Medicine
1114013	Internal Medicine
1114015	Neurological Surgery
1114017	Neurology
1114019	None (Not Board Certified)
1114021	Obstetrics and Gynecology
1114023	Ophthalmology
1114025	Orthopedic Surgery
1114027	Otolaryngology
1114029	Pediatrics
1114031	Physical Medicine and Rehabilitation
1114033	Plastic Surgery
1114035	Psychiatry
1114037	Surgery
1114039	Thoracic Surgery
1114041	Urology
1114043	Vascular Surgery

### Data Element Comment

This is based on the American Board of Medical Specialties List of Certifications. The Medical Director Information from Section D02 of NEMSIS Version 2.2.1 has been merged into Version 3 Section dContact.

Rule ID	Level	Message
nemSch_d00	1 <mark>Error</mark>	When Agency Medical Director Board Certification Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 Error	When Agency Medical Director Board Certification Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	3 Warning	When Agency Medical Director Board Certification Type has a Not Value, no other value should be recorded.

NEMSIS Version 3.5.1.240701CR1 dContact.15

# dContact.15 - Medical Director Compensation

### Definition

### Indication of Medical Director's Compensation.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescription1115001Compensated1115003Non-Compensated

### Data Element Comment

This element applies to the Medical Director(s) for an EMS agency (EMS Medical Director and EMS Assistant Medical Director).

NEMSIS Version 3.5.1.240701CR1 dContact.16

# dContact.16 - EMS Medical Director Board Certified/Eligible

### Definition

Indication if the EMS Medical Director has advanced training through a formal fellowship or through another practice pathway.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

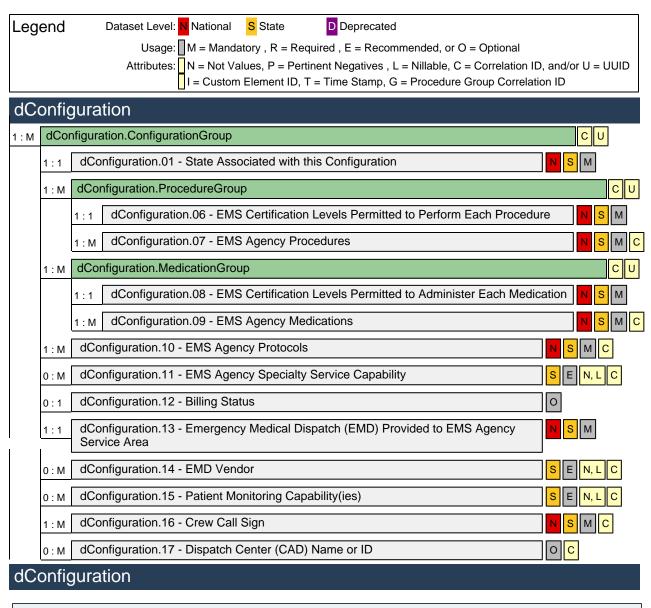
# Code List

Code Description

9923001 No 9923003 Yes

**Data Element Comment** 

# dConfiguration



### Associated Validation Rules

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

National

# dConfiguration.01 - State Associated with this Configuration

### Definition

The state associated with this configuration.

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.

Rule ID	Level	Message
nemSch_d010	) Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d011	l <mark>Warning</mark>	State Associated with this Configuration should be unique (the same state should not be listed more than once).
nemSch_d012	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.
nemSch_d013	3 Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.

**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

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

### Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	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.

Rule ID	Level	Message
nemSch_d012	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.
nemSch_d013	Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.

**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

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

Constraints

### **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: <a href="https://nemsis.org/technical-resources/version-3/version-3-resource-repository/">https://nemsis.org/technical-resources/version-3/version-3-resource-repository/</a>

### **SNOMEDCT**

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

Product: Product - UMLS Metathesaurus

**National** 

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

### Definition

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

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

Airwa	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

### Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	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.

Rule ID	Level	Message
nemSch_d01	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.
nemSch_d01	3 Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.

**National** 

### dConfiguration.09 - EMS Agency Medications

### Definition

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

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

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### **Attributes**

Code Type

9924003 - RxNorm 9924005 - SNOMED-CT

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Constraints

Data Type minLength maxLength

string 2

### **Data Element Comment**

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) code and SNOMED-CT codes for blood products.

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.

### Allowable SNOMED-CT codes are:

116762002 Administration of blood product

116795008 Transfusion of cryoprecipitate

116861002 Transfusion of fresh frozen plasma

116865006 Administration of albumin

180208003 Intravenous blood transfusion of platelets

33389009 Transfusion of whole blood

71493000 Transfusion of packed red blood cells

Rule ID	Level	Message
nemSch_d014	Error	EMS Agency Medications should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_d015	Error	EMS Agency Medications should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".
nemSch_d016	Error	EMS Agency Medications should be an RxNorm code of between 2 and 7 digits or a SNOMED code specifically allowed in the data dictionary.

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

# Attributes

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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 Injury-Diving Emergencies 9914091 Injury-Drowning/Near Drowning 9914093 9914095 Injury-Electrical Injuries Injury-Extremity 9914097 Injury-Eye 9914099 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 Medical-ST-Elevation Myocardial Infarction (STEMI) 9914143 9914145 Medical-Stroke/TIA 9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation) 9914149 Medical-Syncope Medical-Ventricular Tachycardia (With Pulse) 9914151 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 Cardiac Arrest-Special Resuscitation Orders 9914171 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 General-Neglect or Abuse Suspected 9914187 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 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts 9914201 Injury-Conducted Electrical Weapon (e.g., Taser) 9914203 9914205 Injury-Facial Trauma 9914207 Injury-General Trauma Management 9914209 Injury-Lightning/Lightning Strike 9914211 Injury-SCUBA Injury/Accidents 9914213 Injury-Topical Chemical Burn Medical-Beta Blocker Poisoning/Overdose 9914215 Medical-Calcium Channel Blocker Poisoning/Overdose 9914217 Medical-Opioid Poisoning/Overdose 9914219 9914221 Medical-Respiratory Distress-Bronchiolitis

# 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	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

# Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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

Rule ID	Level	Message
nemSch_d00	1 Error	When EMS Agency Specialty Service Capability is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 Error	When EMS Agency Specialty Service Capability has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d00	3 Warning	When EMS Agency Specialty Service Capability has a Not Value, no other value should be recorded.

# dConfiguration.12 - Billing Status

# Definition

Indication of whether the EMS agency routinely bills for any segment of the patient population.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element D04_10		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

**Code** Description 9923001 No

9923001 No 9923003 Yes

### **Data Element Comment**

Billing status is associated with each EMS Agency for the specific EMS Agency Number (dAgency.02).

**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

Airwav	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.14 - EMD Vendor

### Definition

The vendor or company associated with the EMD Card set and algorithms.

National Element No		Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element D04_17		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

Constraints

Data Type minLength maxLength

string 2 100

### **Data Element Comment**

### Associated Validation Rules

Rule ID Level Message

nemSch\_d001 Error When EMD Vendor is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not

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

nemSch\_d002 Error When EMD Vendor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should

be empty.

nemSch\_d003 Warning When EMD Vendor has a Not Value, no other value should be recorded.

### 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	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

**NOT Values (NV)** 

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

### 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.

Rule ID Level	Message
nemSch_d001 Error	When Patient Monitoring Capability(ies) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002 Error	When Patient Monitoring Capability(ies) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003 <mark>Warni</mark>	Mhen Patient Monitoring Capability(ies) has a Not Value, no other value should be recorded.

National

# dConfiguration.16 - Crew Call Sign

### Definition

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

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

### Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

Constraints

Data TypeminLengthmaxLengthstring150

**Data Element Comment** 

### Associated Validation Rules

Rule ID Level Message

nemSch\_d017 Warning Crew Call Sign should be unique (the same call sign should not be listed more than once).

### dConfiguration.17 - Dispatch Center (CAD) Name or ID

### Definition

The name or ID of the dispatch center (Primary or Secondary Service Answering Point - PSAP) that dispatches the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

### **Attributes**

### CorrelationID

Data Type: string minLength: 2 maxLength: 255

### Constraints

Data TypeminLengthmaxLengthstring2100

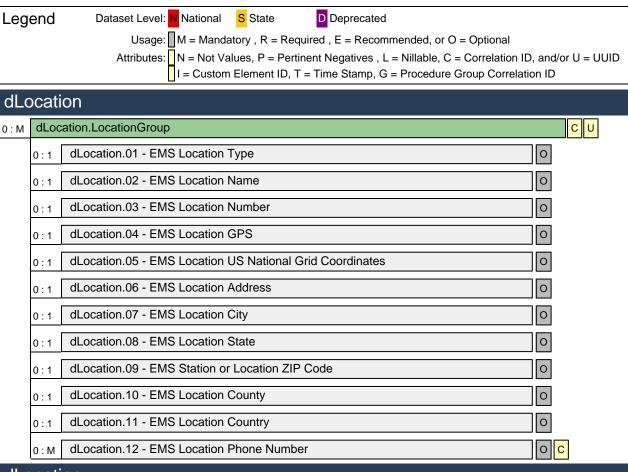
### **Data Element Comment**

This element can be used to identify the dispatch center (Primary or Secondary Service Answering Point - PSAP) that dispatches the EMS agency. If the EMS agency is able to populate the Patient Care Report (PCR) with CAD specific details (times, incident address information, crew information, EMD, etc.) the name or ID of the dispatch center should be documented. Information in dConfiguration.17 may be used to populate eDispatch.04 - Computer Aided Dispatch (CAD) Name or ID if a CAD integration exists.

### Version 3 Changes Implemented

Added to the dataset to assist in identifying the CAD / dispatch center providing information to the EMS agency and ePCR when there are multiple dispatch centers sending resources to the same EMS incident.

# dLocation



# dLocation

# Associated Validation Rules

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

NEMSIS Version 3.5.1.240701CR1 dLocation.01

# dLocation.01 - EMS Location Type

### Definition

The type of EMS Location which could be a fixed station or a pre-determined staging area.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
1301001	<b>EMS Agency Headquarters</b>
1301003	EMS Staging Area
1301005	EMS Station
1301007	Other

# Data Element Comment

This is associated with the EMS Agency associated with the EMS Agency Number (dAgency.02).

### Version 3 Changes Implemented

Added to allow multiple locations to be documented for an EMS Agency.

NEMSIS Version 3.5.1.240701CR1 dLocation.02

# dLocation.02 - EMS Location Name

# Definition

# The name of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_01	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	100

# Data Element Comment

NEMSIS Version 3.5.1.240701CR1 dLocation.03

# dLocation.03 - EMS Location Number

# Definition

# The ID number of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_02	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

# Data Element Comment

# dLocation.04 - EMS Location GPS

#### Definition

#### The GPS coordinate of the EMS location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

#### Pattern

 $(+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?), (+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9])(\.[0-9]{1,6})?)$ 

#### Data Element Comment

The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

# dLocation.05 - EMS Location US National Grid Coordinates

# Definition

# The US National Grid Coordinates of the EMS location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

#### Pattern

([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{10}

# Data Element Comment

For more information go to www.fgdc.gov/usng.

# dLocation.06 - EMS Location Address

# Definition

#### The address of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

Attributes

StreetAddress2

Data Type: string minLength: 1 maxLength: 255

Constraints

Data Type minLength maxLength

string 1 255

Data Element Comment

# dLocation.07 - EMS Location City

#### Definition

The city of the EMS location type (e.g., Fixed station, sub-station, staging area, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# dLocation.08 - EMS Location State

# Definition

#### The state of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_07	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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

#### dLocation.09 - EMS Station or Location ZIP Code

#### Definition

#### The ZIP code of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_08	Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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: <a href="https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/">https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</a> Product: USA - 5-digit ZIP Code Database, Commercial Edition

# dLocation.10 - EMS Location County

# Definition

# The county of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# dLocation.11 - EMS Location Country

#### Definition

#### The country of the EMS location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescriptionCACanadaMXMexicoUSUnited States

#### **Data Element Comment**

The International Organization for Standardization (ISO) ISO 3166-1-alpha-2 code element for the country.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

# Version 3 Changes Implemented

Added to improve international implementations.

dLocation.12 NEMSIS Version 3.5.1.240701CR1

# dLocation.12 - EMS Location Phone Number

#### Definition

# The phone number of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

PhoneNumberType

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

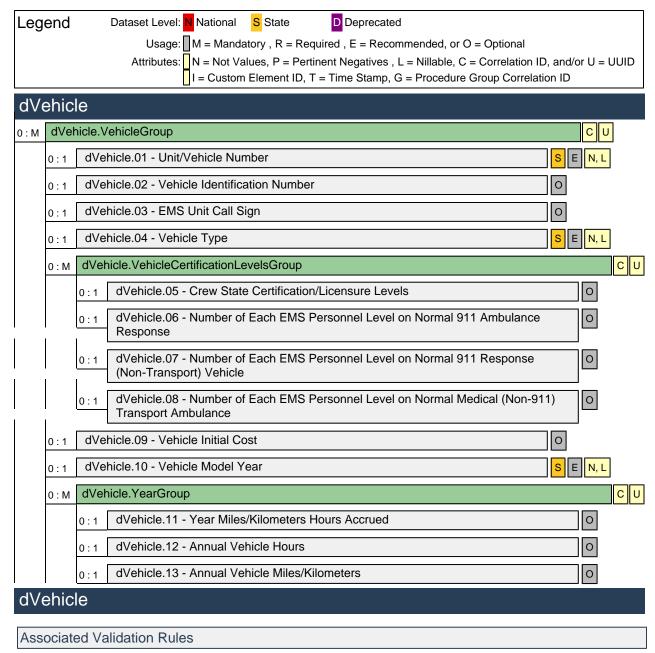
9913009 - Work

# Constraints

#### Pattern

#### Data Element Comment

# dVehicle



Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

dVehicle.01

State

# dVehicle.01 - Unit/Vehicle Number

#### Definition

The unique ID number for the unit which is specific for each vehicle. This ID number may be the state's vehicle's permit number.

National Element	No Pertinent Negatives (PN) No		No
State Element	Yes	NOT Values	Yes
Version 2 Element	D06_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Constraints

Data Type	minLength	maxLength
string	1	25

#### Data Element Comment

This element can be used in EMS PCR documentation to document the vehicle. This element should be used to populate eResponse.13 (EMS Vehicle (Unit) Number).

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d00 <sup>2</sup>	1 Error	When Unit/Vehicle Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 Error	When Unit/Vehicle Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# dVehicle.02 - Vehicle Identification Number

# Definition

The manufacturer's VIN associated with the vehicle.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminLengthmaxLengthstring1717

# Data Element Comment

Consider VIN standard ISO-3779 and ISO-3780.

# dVehicle.03 - EMS Unit Call Sign

# Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	1	50

Data Element Comment

dVehicle.04

State

# dVehicle.04 - Vehicle Type

# Definition

The vehicle type of the unit (ambulance, fire, truck, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D06_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

# NOT Values (NV)

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

#### Code List

Code	Description
1404001	Ambulance
1404003	ATV
1404005	Bicycle
1404007	Fire Apparatus
1404009	Fixed Wing
1404011	Motorcycle
1404013	Other
1404015	Personal Vehicle
1404017	Quick Response Vehicle (Non-Transport Vehicle other than Fire Apparatus)
1404019	Rescue
1404021	Rotor Craft
1404023	Snow Vehicle
1404025	Watercraft

# Data Element Comment

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	1 Error	When Vehicle Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 Error	When Vehicle Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### dVehicle.05 - Crew State Certification/Licensure Levels

#### Definition

The certification/licensure level of the ambulance by the state or the certification/licensure level at which the vehicle is most commonly staffed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	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 category Emergency Medical Technician - Intermediate includes EMS professionals with an "85" or "99" certification level.

#### dVehicle.06 - Number of Each EMS Personnel Level on Normal 911 Ambulance Response

#### Definition

The number of each personnel level associated with the vehicle crew.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger112

#### Data Element Comment

Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

## dVehicle.07 - Number of Each EMS Personnel Level on Normal 911 Response (Non-Transport) Vehicle

#### Definition

The number of each personnel level for your EMS Agency's Medical (Non-911) Non-Transport Ambulance.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger112

#### Data Element Comment

Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

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## dVehicle.08 - Number of Each EMS Personnel Level on Normal Medical (Non-911) Transport Ambulance

#### Definition

The number of each personnel level for your EMS Agency's Medical (Non-911) Transport Ambulance.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivepositiveInteger112

#### Data Element Comment

Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05(Crew State Certification/Licensure Levels).

# dVehicle.09 - Vehicle Initial Cost

# Definition

Initial costs of vehicles held by agency excluding all medical and other equipment not associated with the vehicle. This cost should be inclusive of all sources of funding including grants, donations, and any other capital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minInclusive	maxInclusive
positiveInteger	1	10,000,000

# Data Element Comment

dVehicle.10

State

#### dVehicle.10 - Vehicle Model Year

#### Definition

The year the vehicle was manufactured.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D06_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

Constraints

Data TypeminInclusivemaxInclusiveinteger19002050

**Data Element Comment** 

#### Associated Validation Rules

Rule ID I	_evel	Message
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nemSch\_d001 Error When Vehicle Model Year is empty, it should have a Not Value (Not Applicable, Not Recorded,

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

nemSch\_d002 Error When Vehicle Model Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

# dVehicle.11 - Year Miles/Kilometers Hours Accrued

#### Definition

The year the hours and miles/kilometers were accumulated.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_08	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusiveinteger19002050

#### Data Element Comment

The grouping dVehicle. Year Group, allows multiple year information to be stored for each EMS vehicle. This includes elements dVehicle. 11 - Year Miles/Kilometers Hours Accrued, dVehicle. 12 - Annual Vehicle Hours, and dVehicle. 13 - Annual Vehicle Miles/Kilometers.

# dVehicle.12 - Annual Vehicle Hours

# Definition

The number of hours the vehicle was in service for the agency for the defined year.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_09	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminInclusivemaxInclusivepositiveInteger110,000

# Data Element Comment

Associated with each year of element dVehicle.11 (Year Miles/Hours Accrued).

dVehicle.13 NEMSIS Version 3.5.1.240701CR1

# dVehicle.13 - Annual Vehicle Miles/Kilometers

#### Definition

The number of miles/kilometers the vehicle accumulated in service for the agency for the defined year (Odometer Reading).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_10	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

DistanceUnit

9929001 - Kilometers 9929003 - Miles

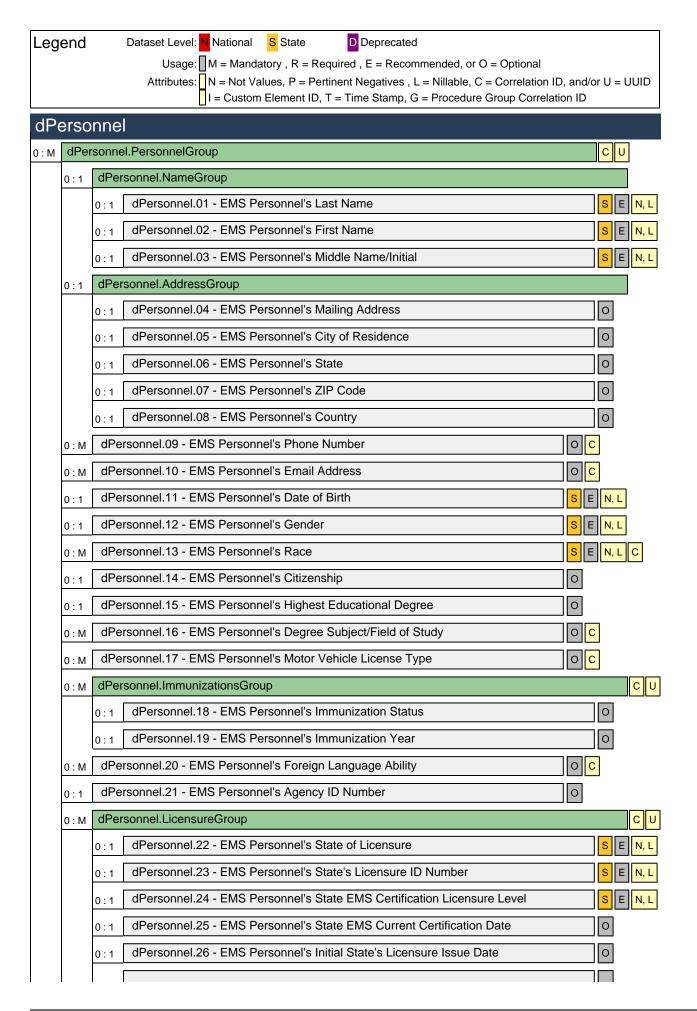
Constraints

Data Type decimal totalDigits fractionDigits

# **Data Element Comment**

Associated with each year of (dVehicle.11) Year Miles/Kilometers Hours Accrued.

# dPersonnel



 	dPersonnel.27 - EMS Personnel's Current State's Licensure Expiration Date	لها
0:1	dPersonnel.28 - EMS Personnel's National Registry Number	0
0:1	dPersonnel.29 - EMS Personnel's National Registry Certification Level	0
0:1	dPersonnel.30 - EMS Personnel's Current National Registry Expiration Date	0
0:1	dPersonnel.31 - EMS Personnel's Employment Status	S E N, L
0:1	dPersonnel.32 - EMS Personnel's Employment Status Date	S E N, L
0:1	dPersonnel.33 - EMS Personnel's Hire Date	0
0:1	dPersonnel.34 - EMS Personnel's Primary EMS Job Role	S E N, L
0 : M	dPersonnel.35 - EMS Personnel's Other Job Responsibilities	S E N, L
0:1	dPersonnel.36 - EMS Personnel's Total Length of Service in Years	0
0:1	dPersonnel.37 - EMS Personnel's Date Length of Service Documented	0
0 : M	dPersonnel.CertificationLevelGroup	
	0:1 dPersonnel.38 - EMS Personnel's Practice Level	0
	0:1 dPersonnel.39 - Date of Personnel's Certification or Licensure for Agency	0
erso	nnel	

# dPersonnel

# Associated Validation Rules

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

State

#### dPersonnel.01 - EMS Personnel's Last Name

#### Definition

The last name of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

Constraints

Data TypeminLengthmaxLengthstring160

## **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_d001 Error When EMS Personnel's Last Name is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is

optional).

nemSch\_d002 Error When EMS Personnel's Last Name has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

State

#### dPersonnel.02 - EMS Personnel's First Name

#### Definition

#### The first name of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

#### Constraints

Data TypeminLengthmaxLengthstring150

## **Data Element Comment**

#### Associated Validation Rules

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

nemSch\_d001 Error When EMS Personnel's First Name is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is

optional).

nemSch\_d002 Error When EMS Personnel's First Name has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

State

#### dPersonnel.03 - EMS Personnel's Middle Name/Initial

#### Definition

The middle name or initial of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

Constraints

Data TypeminLengthmaxLengthstring150

## **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_d001 Error When EMS Personnel's Middle Name/Initial is empty, it should have a Not Value (Not Applicable,

Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the

element is optional).

nemSch\_d002 Error When EMS Personnel's Middle Name/Initial has a Not Value (Not Applicable, Not Recorded, or

Not Reporting), it should be empty.

# dPersonnel.04 - EMS Personnel's Mailing Address

# Definition

The Street or PO Box of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

StreetAddress2

Data Type: string minLength: 1 maxLength: 255

Constraints

Data TypeminLengthmaxLengthstring1255

#### Data Element Comment

For individuals living outside the USA the full address can be entered in the address line.

# dPersonnel.05 - EMS Personnel's City of Residence

#### Definition

The city of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# dPersonnel.06 - EMS Personnel's State

# Definition

The state of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

**Pattern** [0-9]{2}

# Data Element Comment

Based on ANSI Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

## dPersonnel.07 - EMS Personnel's ZIP Code

#### Definition

The ZIP code of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_07	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

# 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: <a href="https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/">https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</a> Product: USA - 5-digit ZIP Code Database, Commercial Edition

# dPersonnel.08 - EMS Personnel's Country

# Definition

The country of the personnel mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescriptionCACanadaMXMexicoUSUnited States

# Data Element Comment

Based on ANSI Code.

ANSI Country Codes (ISO 3166) Website: <a href="https://www.iso.org/iso-3166-country-codes.html">https://www.iso.org/iso-3166-country-codes.html</a>

dPersonnel.09 NEMSIS Version 3.5.1.240701CR1

## dPersonnel.09 - EMS Personnel's Phone Number

#### Definition

# The phone number for the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_08	Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

PhoneNumberType

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

9913009 - Work

# Constraints

#### Pattern

#### Data Element Comment

## dPersonnel.10 - EMS Personnel's Email Address

#### Definition

The primary email address of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_10	Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

EmailAddressType 9904001 - Personal

9904001 - Personal 9904003 - Work

Constraints

Data Type minLength maxLength

string 3 100

Pattern .+@.+

#### dPersonnel.11 - EMS Personnel's Date of Birth

#### Definition

#### The personnel's date of birth.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

#### **Data Element Comment**

#### Associated Validation Rules

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

nemSch\_d001 Error When EMS Personnel's Date of Birth is empty, it should have a Not Value (Not Applicable, Not

Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is

optional).

nemSch\_d002 Error When EMS Personnel's Date of Birth has a Not Value (Not Applicable, Not Recorded, or Not

Reporting), it should be empty.

# dPersonnel.12 - EMS Personnel's Gender

#### Definition

# The personnel's gender.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_12	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Code List

Code	Description
9906001	Female
9906003	Male
9906007	Female-to-Male, Transgender Male
9906009	Male-to-Female, Transgender Female
9906011	Other, neither exclusively male or female
9906005	Unknown (Unable to Determine)

#### **Data Element Comment**

Code list referenced from: https://www.healthit.gov/isa/sex-birth-sexual-orientation-and-gender-identity

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d00	)1 <mark>Error</mark>	When EMS Personnel's Gender is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	)2 <mark>Error</mark>	When EMS Personnel's Gender has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### dPersonnel.13 - EMS Personnel's Race

#### Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_13	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

#### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
1513001	American Indian or Alaska Native
1513003	Asian
1513005	Black or African American
1513007	Hispanic or Latino
1513009	Native Hawaiian or Other Pacific Islander
1513011	White
1513013	Middle Eastern or North African

#### Data Element Comment

OMB requirements are provided at: <a href="https://www.federalregister.gov/d/2024-06469">https://www.federalregister.gov/d/2024-06469</a>. A single multiple choice question methodology is being implemented to improve the completion of ethnicity information. Ethnicity (Version 2.1.1: D08\_14) has been merged with this data element and retired.

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d00 <sup>2</sup>	1 Error	When EMS Personnel's Race is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	2 Error	When EMS Personnel's Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	3 <mark>Warning</mark>	When EMS Personnel's Race has a Not Value, no other value should be recorded.

## dPersonnel.14 - EMS Personnel's Citizenship

#### Definition

# The documentation of the personnel's citizenship.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type<br/>stringlength<br/>2

# Data Element Comment

Website: https://www.iso.org/iso-3166-country-codes.html

# dPersonnel.15 - EMS Personnel's Highest Educational Degree

#### Definition

The highest educational degree completed by the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
1515001	No Schooling Completed
1515003	Nursery School to 4th Grade
1515005	5th Grade or 6th Grade
1515007	7th Grade or 8th Grade
1515009	9th Grade
1515011	10th Grade
1515013	11th Grade
1515015	12th Grade, No Diploma
1515017	High School Graduate-Diploma or the Equivalent (GED)
1515019	Some College Credit, but Less than 1 Year
1515021	1 or More Years of College, No Degree
1515023	Associate Degree
1515025	Bachelor's Degree
1515027	Master's Degree
1515029	Professional Degree (i.e. MD, DDS, DVM, LLB, JD)
1515031	Doctorate Degree (i.e. PhD, EdD)

#### Data Element Comment

Based on Census 2000 Educational Attainment Question.

# dPersonnel.16 - EMS Personnel's Degree Subject/Field of Study

#### Definition

The area of the personnel's post high-school (post-secondary) degree.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
1516001	Agriculture and Natural Resources
1516003	Architecture and Related Services
1516005	Area, Ethnic, Cultural, and Gender Studies
1516007	Biological and Biomedical Sciences
1516009	Business
1516011	Communication, Journalism, and Related Programs
1516013	Communications Technologies
1516015	Computer and Information Sciences
1516017	Education
1516019	Emergency Medical Services
1516021	Engineering
1516023	Engineering Technologies
1516025	English Language and Literature/Letters
1516027	Family and Consumer Sciences/Human Sciences
1516029	Fire Science
1516031	Foreign Languages, Literatures, and Linguistics
1516033	Health Professions and Related Clinical Sciences, Not Including Emergency Medical Services
1516035	Legal Professions and Studies
1516037	Liberal Arts and Sciences, General Studies, and Humanities
1516039	Library Science
1516041	Mathematics and Statistics
1516043	Military Technologies
1516045	Multi/Interdisciplinary Studies
1516047	Not Classified by Field of Study
1516049	None
1516051	Parks, Recreation, Leisure and Fitness Studies
1516053	Philosophy and Religious Studies
1516055	Physical Sciences and Science Technologies
1516057	Precision Production
1516059	Psychology
1516061	Public Administration and Social Services
1516063	Security and Protective Services, Not Including Fire Science
1516065	Social Sciences and History
1516067	Theology and Religious Vocations
1516069	Transportation and Materials Moving
1516071	Visual and Performing Arts

# dPersonnel.17 - EMS Personnel's Motor Vehicle License Type

#### Definition

The type of motor vehicle license (i.e. Class A, B, Pilot, etc.) of the EMS personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
1517001	All-Terrain Vehicle (ATV)
1517003	Commercial Class A
1517005	Commercial Class B
1517007	Commercial Class C
1517009	Motorcycle-Class M
1517011	None
1517013	Operator Class D (Normal)
1517015	Other
1517017	Pilot-Rotor Wing Air
1517019	Pilot-Fixed Wing Air
1517021	Snowmobile
1517023	Taxi and Livery Class E

# dPersonnel.18 - EMS Personnel's Immunization Status

#### Definition

# The type of immunization status.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
9910001	Anthrax
9910003	Cholera
9910005	
9910007	Hemophilus Influenza B
9910009	Hepatitis A
9910011	Hepatitis B
9910013	Human Papilloma Virus (HPV)
9910015	Influenza-H1N1
9910017	Influenza-Other
9910019	Influenza-Seasonal (In past 12 months)
9910021	Lyme Disease
9910023	Meningococcus
9910025	MMR (Measles, Mumps, Rubella)
9910027	Other-Not Listed
9910029	Plague
9910031	Pneumococcal (Pneumonia)
9910033	Polio
9910035	Rabies
9910037	Rotavirus
9910039	Shingles
9910041	Small Pox
9910043	Tetanus
9910045	Tuberculosis
9910047	Typhoid
9910049	Varicella (Chickenpox)
9910051	Yellow Fever
9910053	None

# dPersonnel.19 - EMS Personnel's Immunization Year

#### Definition

The year associated with each immunization type.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminInclusivemaxInclusiveinteger19002050

dPersonnel.20 NEMSIS Version 3.5.1.240701CR1

#### dPersonnel.20 - EMS Personnel's Foreign Language Ability

#### Definition

The languages spoken (other than English) by the personnel with at least an elementary level of proficiency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Thai (Laotian)

tha

Data Type: string minLength: 2 maxLength: 255

## Code List

Code List	
Code	Description
amh	Amharic
ara	Arabic
arm	Armenian
ben	Bengali
crp	Cajun (Creole and Pidgins)
chi	Chinese
hrv	Croatian
cze	Czech
dan	Danish
dut	Dutch
fin	Finnish
tai	Formosan
fre	French
cpf	French Creole
ger	German
gre	Greek
guj	Gujarati
heb	Hebrew
hin	Hindi (Urdu)
hun	Hungarian
ilo	llocano
itl	Italian
jpn	Japanese
kor	Korean
kro	Kru
lit	Lithuanian
mal	Malayalam
hmn	Miao (Hmong)
mkh	Mon-Khmer (Cambodian)
nav	Navaho
nno	Norwegian
pan	Panjabi
gem	Pennsylvania Dutch (Germanic Other)
per	Persian
pol	Polish
por	Portuguese
rum	Romanian
rus	Russian
sgn	Sign Languages
smo	Samoan
srp	Serbo-Croatian
slo	Slovak
spa	Spanish Swedish
swe	Swedish
syr	Syriac
tgl tha	Tagalog Thai (Lagrian)
111124	

tur Turkish ukr Ukrainian vie Vietnamese yid Yiddish

# Data Element Comment

# Version 3 Changes Implemented

Added to better describe the EMS workforce.

#### dPersonnel.21 - EMS Personnel's Agency ID Number

#### Definition

The local agency ID number for the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D07_01	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	minLength	maxLength
string	2	50

#### Data Element Comment

This is a local ID and not the ID associated with the state credential. This may be the same as the state credential ID depending on the state and local implementation. This should be a unique number and not reused.

#### dPersonnel.22 - EMS Personnel's State of Licensure

#### Definition

The state of the certification/licensure ID number assigned to the personnel member.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

#### Constraints

#### **Pattern**

[0-9]{2}

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's State of Licensure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).

nemSch\_d002 Error When EMS Personnel's State of Licensure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### dPersonnel.23 - EMS Personnel's State's Licensure ID Number

#### Definition

The state's licensure/certification ID number for the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D07_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

Constraints

Data TypeminLengthmaxLengthstring250

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_d001 Error When EMS Personnel's State's Licensure ID Number is empty, it should have a Not Value (Not

Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if

the element is optional).

nemSch\_d002 Error When EMS Personnel's State's Licensure ID Number has a Not Value (Not Applicable, Not

Recorded, or Not Reporting), it should be empty.

#### dPersonnel.24 - EMS Personnel's State EMS Certification Licensure Level

#### Definition

The personnel's state EMS certification level.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Code List

Description
Advanced Emergency Medical Technician (AEMT)
Emergency Medical Technician - Intermediate
Emergency Medical Responder (EMR)
Emergency Medical Technician (EMT)
Paramedic
Other Healthcare Professional
Other Non-Healthcare Professional
Physician
Respiratory Therapist
Student
Critical Care Paramedic
Community Paramedicine
Nurse Practitioner
Physician Assistant
Licensed Practical Nurse (LPN)
Registered Nurse

#### **Data Element Comment**

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

Some listed health care providers may not have an EMS certification/licensure number, however their level should be indicated from the list above and the state licensure number should be indicated in dPersonnel.23 - EMS Personnel's State's Licensure ID Number.

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d00	1 Error	When EMS Personnel's State EMS Certification Licensure Level is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d00	2 Error	When EMS Personnel's State EMS Certification Licensure Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### dPersonnel.25 - EMS Personnel's State EMS Current Certification Date

#### Definition

The date of the personnel's current EMS certification/licensure.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_17	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

#### Data Element Comment

Clarified as the current certification/licensure.

#### dPersonnel.26 - EMS Personnel's Initial State's Licensure Issue Date

#### Definition

The date on which the EMS personnel's state's EMS certification/licensure was originally issued. This is the date of the first certification/licensure for the EMS level.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_18	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

#### Data Element Comment

Clarified as the FIRST (original) certification/licensure date.

# dPersonnel.27 - EMS Personnel's Current State's Licensure Expiration Date

#### Definition

The date on which the EMS personnel's (highest) state EMS certification/licensure expires.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

S

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

# dPersonnel.28 - EMS Personnel's National Registry Number

#### Definition

The National Registry number associated with the level of certification/licensure obtained through NREMT.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

#### Pattern

[A-Z][A-Z0-9][0-9]{6}

# dPersonnel.29 - EMS Personnel's National Registry Certification Level

#### Definition

The level of the current National Registry of Emergency Medical Technicians (NREMT) certification.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code	Description
1529001	Advanced Emergency Medical Technician (AEMT)
1529002	Emergency Medical Technician - Intermediate
1529003	Emergency Medical Responder (EMR)
1529005	Emergency Medical Technician (EMT)
1529007	Paramedic

#### **Data Element Comment**

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

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# dPersonnel.30 - EMS Personnel's Current National Registry Expiration Date

#### Definition

The date on which the EMS Personnel's National Registry of EMTs certification/licensure expires.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

# dPersonnel.31 - EMS Personnel's Employment Status

#### Definition

The personnel's primary employment status for this agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D07_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Code List

Code	Description

1531001 Full Time Paid Employee 1531003 Part Time Paid Employee

1531005 Volunteer

1531007 Neither an Employee Nor a Volunteer

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Employment Status is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Employment Status has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### dPersonnel.32 - EMS Personnel's Employment Status Date

#### Definition

The personnel's employment status date.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D07_04	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_d001 Error When EMS Personnel's Employment Status Date is empty, it should have a Not Value (Not

Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if

the element is optional).

nemSch\_d002 Error When EMS Personnel's Employment Status Date has a Not Value (Not Applicable, Not

Recorded, or Not Reporting), it should be empty.

## dPersonnel.33 - EMS Personnel's Hire Date

#### Definition

The date the employee was hired by the EMS agency for this current job.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

#### Data Element Comment

This is intended to collect information based on the current employment/job. If the EMS personnel has a come and go status, this should reflect the most recent employment/job.

#### dPersonnel.34 - EMS Personnel's Primary EMS Job Role

#### Definition

The individuals primary/main EMS role at the EMS agency. This is the function which is performed the majority of the time for the EMS personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Code List

Code	Description
1534001	Administrator/Manager
1534003	Driver/Pilot
1534005	Educator/Preceptor
1534007	Fire Suppression
1534009	First-Line Supervisor
1534011	Law Enforcement
1534013	Other
1534015	Patient Care Provider
1534017	Rescue

#### **Data Element Comment**

This is a single choice data element which should reflect the EMS Personnel's primary/main job role for which he/she functions. It is understood that most EMS personnel perform more than one role as a part of their position. Other roles should be documented in dPersonnel.35 (EMS Personnel's Other Job Responsibilities).

#### **Associated Validation Rules**

Rule ID Leve	Message
nemSch_d001 Error	When EMS Personnel's Primary EMS Job Role is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002 Error	When EMS Personnel's Primary EMS Job Role has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

#### dPersonnel.35 - EMS Personnel's Other Job Responsibilities

#### Definition

The EMS personnel's other job responsibilities at the agency beyond their primary role documented in dPersonnel.34 (EMS Personnel's Primary EMS Job Role).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

#### Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
1534001	Administrator/Manager
1534003	Driver/Pilot
1534005	Educator/Preceptor
1534007	Fire Suppression
1534009	First-Line Supervisor
1534011	Law Enforcement
1534013	Other
1534015	Patient Care Provider
1534017	Rescue

## **Data Element Comment**

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Other Job Responsibilities is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Other Job Responsibilities has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMS Personnel's Other Job Responsibilities has a Not Value, no other value should be recorded.

# dPersonnel.36 - EMS Personnel's Total Length of Service in Years

#### Definition

The personnel's total length of EMS service at any level (years).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_19	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minInclusive	maxInclusive
integer	0	80

# dPersonnel.37 - EMS Personnel's Date Length of Service Documented

#### Definition

The date which the length of EMS service was documented.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_20	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

#### Data Element Comment

Associated with dPersonnel.37 (EMS Personnel's Total Length of Service in Years).

## dPersonnel.38 - EMS Personnel's Practice Level

#### Definition

The EMS certification level at which the individual is providing patient care services for the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D07_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code	Description
9925001	Advanced Emergency Medical Technician (AEMT)
9925002	Emergency Medical Technician - Intermediate
9925003	Emergency Medical Responder (EMR)
9925005	Emergency Medical Technician (EMT)
9925007	Paramedic
9925023	Other Healthcare Professional
9925025	Other Non-Healthcare Professional
9925027	Physician
9925029	Respiratory Therapist
9925031	Student
9925033	Critical Care Paramedic
9925035	Community Paramedicine
9925037	Nurse Practitioner
9925039	Physician Assistant
9925041	Licensed Practical Nurse (LPN)
9925043	Registered Nurse

#### Data Element Comment

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

# dPersonnel.39 - Date of Personnel's Certification or Licensure for Agency

#### Definition

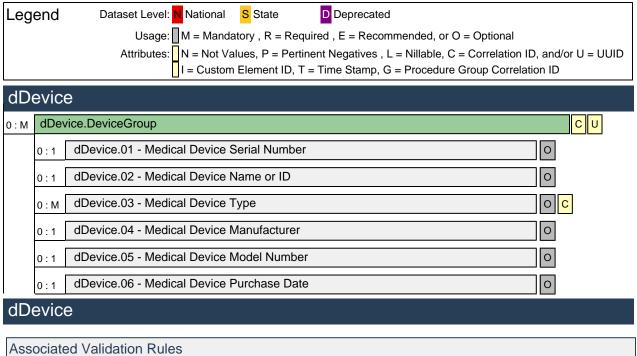
The date that the Certification/Licensure was achieved for the local EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D07_06	Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

# **dDevice**



Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

dDevice.01

# dDevice.01 - Medical Device Serial Number

#### Definition

The unique manufacturer's serial number associated with a medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_01	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	2	50

NEMSIS Version 3.5.1.240701CR1 dDevice.02

# dDevice.02 - Medical Device Name or ID

#### Definition

The local number or configurable Name/ID of the medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_02	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	2	50

NEMSIS Version 3.5.1.240701CR1 dDevice.03

## dDevice.03 - Medical Device Type

#### Definition

# The type of medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

#### Code List

Code	Description
1603001	Capnography-Numeric
1603003	Capnography-Waveform
1603005	Chemistry Measurement-Blood or Serum
1603007	Chemistry Measurement-Glucometer
1603009	Chemistry Measurement-Urine
1603011	CPR-External Device
1603013	Defibrillator-Automated
1603015	Defibrillator-Manual
1603017	ECG-12 Lead or Greater
1603019	ECG-Less than 12 Lead (Cardiac Monitor)
1603021	Medication Infusion Pump
1603023	Other
1603025	Oximetry-Carbon Monoxide
1603027	Oximetry-Oxygen
1603029	Pressure Monitors-Invasive
1603031	Pressure Monitors-Non-Invasive
1603033	Respirator (BLS)
1603035	Ventilator (ALS)
1603037	Ventilator Assistance-BiPAP
1603039	Ventilator Assistance-CPAP

#### Data Element Comment

This is multiple choice to allow documentation of various multifunction device configurations.

dDevice.04

# dDevice.04 - Medical Device Manufacturer

# Definition

The manufacturer of the medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_03	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminLengthmaxLengthstring250

NEMSIS Version 3.5.1.240701CR1 dDevice.05

# dDevice.05 - Medical Device Model Number

# Definition

The specific manufacturer's model number associated with medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data Type	minLength	maxLength
string	2	50

NEMSIS Version 3.5.1.240701CR1 dDevice.06

# dDevice.06 - Medical Device Purchase Date

# Definition

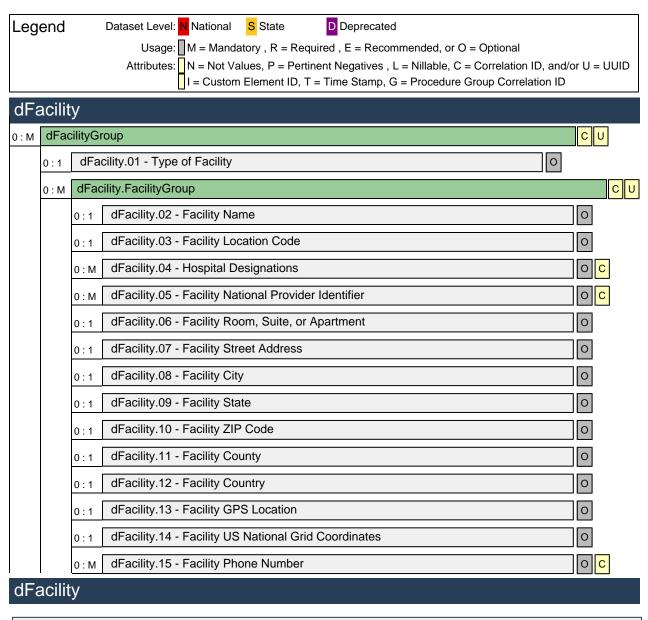
The date the device was purchased or placed in service by the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_05	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data TypeminInclusivemaxInclusivedate1900-01-012050-01-01

# dFacility



#### Associated Validation Rules

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

# dFacility.01 - Type of Facility

# Definition

The type of facility (healthcare or other) that the EMS agency transports patients to or from.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_15	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

Code	Description
1701001	Assisted Living Facility
1701003	Clinic
1701005	Hospital
1701007	Nursing Home
1701009	Other
1701011	Urgent Care
1701013	Physical Rehabilitation Facility
1701015	Mental Health Facility
1701017	Dialysis Center
1701019	Diagnostic Services
1701021	Freestanding Emergency Department
1701023	Morgue/Mortuary
1701025	Police/Jail
1701027	Other EMS Responder (air)
1701029	Other EMS Responder (ground)
1701031	Other Recurring Care Center
1701033	Drug and/or Alcohol Rehabilitation Facility
1701035	Skilled Nursing Facility

# **Data Element Comment**

# Version 3 Changes Implemented

With the release of v3.5.0 additional values were added to meet the needs of EMS. Reconciled the health care facility descriptions to match those in eDisposition.21 - Type of Destination.

# dFacility.02 - Facility Name

# Definition

# The name of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_11	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	100

# dFacility.03 - Facility Location Code

# Definition

The code of the facility as assigned by the state or the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_12	Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

Data Type	minLength	maxLength
string	2	50

# Data Element Comment

The information contained within this element could be used to populate eScene.10 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code) via a drop down list created at either the EMS Agency or State level.

# dFacility.04 - Hospital Designations

# Definition

The designation(s) associated with the hospital (e.g., Trauma, STEMI, Peds, etc.)

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

# Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric 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
9908037	Stroke-Acute Stroke Ready Hospital (ASRH)
9908039	Stroke-Primary Stroke Center (PSC)
9908041	Stroke-Thrombectomy-Capable Stroke Center (TSC)
9908043	Stroke-Comprehensive Stroke Center (CSC)
9908045	Cancer Center
9908047	Labor and Delivery

# Data Element Comment

Stroke Center classifications based on Joint Commission stroke certification: <a href="https://www.jointcommission.org/facts">https://www.jointcommission.org/facts</a> about joint commission stroke certification/

# dFacility.05 - Facility National Provider Identifier

# Definition

The facility National Provider Identifier associated with National Provider System (NPS).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID

Data Type: string minLength: 2 maxLength: 255

Constraints

**Data Type** length string 10

# dFacility.06 - Facility Room, Suite, or Apartment

# Definition

The number of the specific room, suite, or apartment of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminLengthmaxLengthstring115

# dFacility.07 - Facility Street Address

# Definition

The address where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Attributes

#### StreetAddress2

Data Type: string minLength: 1 maxLength: 255

# Constraints

Data TypeminLengthmaxLengthstring1255

# Data Element Comment

The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.03 (Destination Street Address) as appropriate.

# dFacility.08 - Facility City

# Definition

The city where the facility is located (physical address).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Data Element Comment

The information contained within this element could be used to populate the address information within eScene.17 (Incident City) and/or eDisposition.04 (Destination City) as appropriate.

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# dFacility.09 - Facility State

# Definition

The state where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

# Pattern

 $[0-9]{2}$ 

# Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.05 (Destination State) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# dFacility.10 - Facility ZIP Code

#### Definition

The zip code where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# 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

The information contained within this element could be used to populate the address information within eScene.19 (Incident ZIP Code) and/or eDisposition.07 (Destination ZIP Code) as appropriate.

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

# dFacility.11 - Facility County

# Definition

The county where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

# Pattern

[0-9]{5}

# Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.21 (Incident County) and/or eDisposition.06 (Destination County) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

# dFacility.12 - Facility Country

# Definition

The country where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Code List

CodeDescriptionCACanadaMXMexicoUSUnited States

# **Data Element Comment**

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.22 (Incident Country) and/or eDisposition.08 (Destination Country) as appropriate.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

dFacility.13 NEMSIS Version 3.5.1.240701CR1

# dFacility.13 - Facility GPS Location

#### Definition

# The facility GPS Coordinates.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

#### **Pattern**

 $(+|-)?(90(.[0]{1,6})?)([1-8][0-9][0-9])(.[0-9]{1,6})?),(+|-)?(180(.[0]{1,6})?)(1[0-7][0-9][1-9][0-9][0-9])(.[0-9]{1,6})?)$ 

#### Data Element Comment

The information contained within this element could be used to populate the address information within eScene.10 (Scene GPS Location) and/or eDisposition.09 (Destination GPS Location) as appropriate.

The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

# dFacility.14 - Facility US National Grid Coordinates

# Definition

The facility's US National Grid coordinates.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

# Constraints

#### **Pattern**

 $([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]\{10\}$ 

# Data Element Comment

Standard found at www.fgdc.gov/usng. The information contained within this element could be used to populate the address information within eScene.11 (Scene US National Grid Coordinates) and/or eDisposition.10 (Disposition Location US National Grid Coordinates) as appropriate.

dFacility.15 NEMSIS Version 3.5.1.240701CR1

# dFacility.15 - Facility Phone Number

# Definition

# The facility's phone number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

# Attributes

#### CorrelationID

Data Type: string minLength: 2 maxLength: 255

**PhoneNumberType** 

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

9913009 - Work

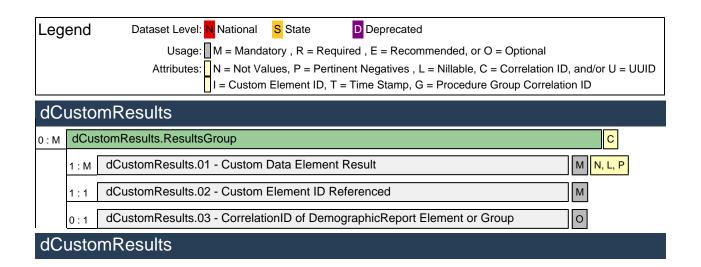
# Constraints

#### **Pattern**

#### Data Element Comment

This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

# dCustomResults



# dCustomResults.01 - Custom Data Element Result

#### Definition

The actual value or values chosen (if values listed in dCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element.

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

# Attributes

# NOT Values (NV)

# **Pertinent Negatives (PN)**

NV

7701001 - Not Applicable	7701003 - Not Recorded	7701005 - Not Reporting
1101001 Hot/Applicable	7701000 1101110001404	7701000 Hot Reporting

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

#### Constraints

Data Type	minLength	maxLength
string	1	100000

# **Data Element Comment**

# Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

# dCustomResults.02 - Custom Element ID Referenced

# Definition

References the CustomElementID attribute for dCustomConfiguration.CustomGroup.

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

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Data TypeminLengthmaxLengthstring2255

# dCustomResults.03 - CorrelationID of DemographicReport Element or Group

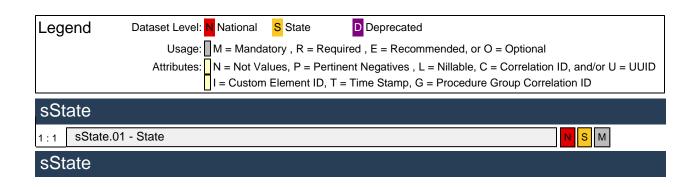
# Definition

References the CorrelationID attribute of an element or group in the DemographicReport section.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

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Data TypeminLengthmaxLengthstring2255



NEMSIS Version 3.5.1.240701CR1 SState.01

State

National

# sState.01 - State

#### Definition

The state associated with the state data set.

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**

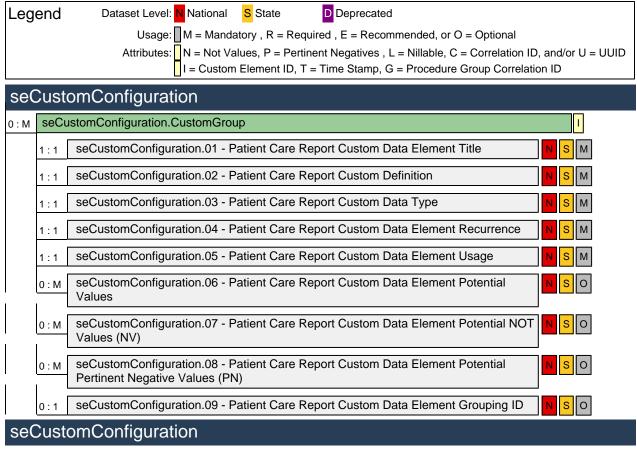
[0-9]{2}

# **Data Element Comment**

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Used to populate the following data elements: dAgency.04 EMS Agency State dConfiguration.01 State Associated with this Configuration.

# seCustomConfiguration



Associated Validation Rules

Rule ID Level Message

nemSch\_s010 Error The Custom Element ID for each Patient Care Report Custom Data Element should be unique (the same ID should not be used more than once).

National

# seCustomConfiguration.01 - Patient Care Report Custom Data Element Title

#### Definition

This is the title of the patient care report custom data element created to collect information that is not defined formally in NEMSIS Version 3.

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

#### Attributes

#### nemsisElement

Data Type: anySimpleType whiteSpace: preserve

#### Constraints

Data Type	minLength	maxLength
string	2	100

# **Data Element Comment**

Used to populate eCustomConfiguration.01 Custom Data Element Title.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

National

# seCustomConfiguration.02 - Patient Care Report Custom Definition

# Definition

The definition of the patient care report custom data element and how it should be used.

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

Data TypeminLengthmaxLengthstring2255

# **Data Element Comment**

Used to populate eCustomConfiguration.02 Custom Definition.

National

# seCustomConfiguration.03 - Patient Care Report Custom Data Type

# Definition

The data type of the patient care report custom data element.

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

# Code List

 Code
 Description

 9902001
 Binary

 9902003
 Date/Time

 9902005
 Integer/Number

 9902007
 Other

 9902009
 Text/String

 9902011
 Boolean

# Data Element Comment

Used to populate eCustomConfiguration.03 Custom Data Type.

National

# seCustomConfiguration.04 - Patient Care Report Custom Data Element Recurrence

# Definition

Indication if the patient care report custom data element will accept multiple values.

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

#### Code List

Code Description

9923001 No 9923003 Yes

#### **Data Element Comment**

Used to populate eCustomConfiguration.04 Custom Data Element Recurrence.

# Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

**National** 

# seCustomConfiguration.05 - Patient Care Report Custom Data Element Usage

#### Definition

The state-level usage (Mandatory, Required, Recommended, or Optional) for the patient care report custom data element.

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

#### Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

#### **Data Element Comment**

Mandatory = Must be completed and will not accept null values.

Required = Must be completed but will accept null values.

Recommended = Not required but if collected will accept null values.

Optional = Not required but if collected, it cannot be a null value.

Used to populate eCustomConfiguration.05 Custom Data Element Usage.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

National

# seCustomConfiguration.06 - Patient Care Report Custom Data Element Potential Values

#### Definition

The values which are associated with the patient care report custom data element. Values would be the choices provided to the user when they document the custom data element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

nemsisCode

Data Type: anySimpleType whiteSpace: preserve

customValueDescription

Data Type: anySimpleType whiteSpace: preserve

#### Constraints

Data TypeminLengthmaxLengthstring1100

#### **Data Element Comment**

Used to populate eCustomConfiguration.06 Custom Data Element Potential Values.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_s01	1 Error	Patient Care Report Custom Data Element Potential Values should be unique (the same value should not be listed more than once).
nemSch_s01	2 Error	The Custom Value Description for Patient Care Report Custom Data Element Potential Values should be unique (the same description should not be listed more than once).

**National** 

#### seCustomConfiguration.07 - Patient Care Report Custom Data Element Potential NOT Values (NV)

#### Definition

NOT Values (NV) associated with the patient care report custom data element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Code List

CodeDescription7701001Not Applicable7701003Not Recorded7701005Not Reporting

#### Data Element Comment

Used to populate eCustomConfiguration.07 Custom Data Element Potential NOT Values (NV).

#### Associated Validation Rules

Rule ID Level

Message

nemSch\_s013 Error

Patient Care Report Custom Data Element Potential NOT Values (NV) should be unique (the same value should not be listed more than once).

**National** 

### seCustomConfiguration.08 - Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN)

#### Definition

Pertinent Negative Values (PN) associated with the patient care report custom data element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Code List

Description
Contraindication Noted
Denied By Order
Exam Finding Not Present
Medication Allergy
Medication Already Taken
No Known Drug Allergy
None Reported
Not Performed by EMS
Refused
Unresponsive
Unable to Complete
Not Immunized
Order Criteria Not Met
Approximate
Symptom Not Present

#### Data Element Comment

Used to populate eCustomConfiguration.08 Custom Data Element Potential Pertinent Negative Values (PN).

#### Associated Validation Rules

Rule ID	Level	Message
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nemSch\_s014 Error

Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN) should be unique (the same value should not be listed more than once).

National

#### seCustomConfiguration.09 - Patient Care Report Custom Data Element Grouping ID

Definition

ID for patient care report custom data element grouping.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

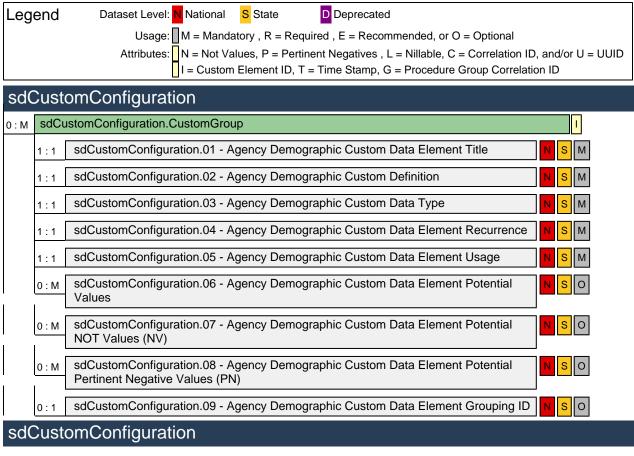
#### Constraints

Data TypeminLengthmaxLengthstring2255

#### **Data Element Comment**

Used to populate eCustomConfiguration.09 Custom Data Element Grouping ID.

# sdCustomConfiguration n



### Associated Validation Rules

nemSch\_s005

Rule ID Level

Message Error

The Custom Element ID for each Agency Demographic Custom Data Element should be unique (the same ID should not be used more than once).

National

#### sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title

#### Definition

This is the title of the custom data element created to collect information that is not defined formally in NEMSIS Version 3.

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

#### Attributes

#### nemsisElement

Data Type: anySimpleType whiteSpace: preserve

#### Constraints

Data Type	minLength	maxLength
string	2	100

#### **Data Element Comment**

Used to populate dCustomConfiguration.01 Custom Data Element Title.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

National

#### sdCustomConfiguration.02 - Agency Demographic Custom Definition

#### Definition

The definition of the agency demographic custom data element and how it should be used.

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

Data TypeminLengthmaxLengthstring2255

#### **Data Element Comment**

Used to populate dCustomConfigration.02 Custom Definition.

National

#### sdCustomConfiguration.03 - Agency Demographic Custom Data Type

#### Definition

The data type of the agency demographic custom element.

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

#### Code List

 Code
 Description

 9902001
 Binary

 9902003
 Date/Time

 9902005
 Integer/Number

 9902007
 Other

 9902009
 Text/String

 9902011
 Boolean

#### Data Element Comment

Used to populate dCustomConfiguration.03 Custom Data Type.

National

#### sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence

#### Definition

Indication if the agency demographic custom data element will accept multiple values.

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

#### Code List

Code Description

9923001 No 9923003 Yes

#### **Data Element Comment**

Used to populate dCustomConfiguration.04 Custom Data Element Recurrence.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

**National** 

#### sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage

#### Definition

The Usage (Mandatory, Required, Recommended, or Optional) for the agency demographic custom data element.

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

#### Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

#### **Data Element Comment**

Mandatory = Must be completed and will not accept null values.

Required = Must be completed but will accept null values.

Recommended = Not required but if collected will accept null values.

Optional = Not required but if collected, it cannot be a null value.

Used to populate dCustomConfiguration.05 Custom Data Element Usage.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

National

#### sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values

#### Definition

The values which are associated with the agency demographic custom data element. Values would be the choices provided to the user when they document the custom data element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

nemsisCode

Data Type: anySimpleType whiteSpace: preserve

customValueDescription

Data Type: anySimpleType whiteSpace: preserve

#### Constraints

Data TypeminLengthmaxLengthstring1100

#### **Data Element Comment**

Used to populate dCustomConfiguration.06 Custom Data Element Potential Values.

#### Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

Rule ID	Level	Message
nemSch_s006	S Error	Agency Demographic Custom Data Element Potential Values should be unique (the same value should not be listed more than once).
nemSch_s007	<sup>7</sup> Error	The Custom Value Description for Agency Demographic Custom Data Element Potential Values should be unique (the same description should not be listed more than once).

National

#### sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV)

#### Definition

NOT Values (NV) associated with the agency demographic custom element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

#### Data Element Comment

Used to populate dCustomConfiguration.07 Custom Data Element Potential NOT Values (NV).

#### Associated Validation Rules

Rule ID Level Message

nemSch\_s008 Error

Agency Demographic Custom Data Element Potential NOT Values (NV) should be unique (the same value should not be listed more than once).

National

### sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN)

#### Definition

Pertinent Negative Values (PN) associated with the agency demographic custom element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Code List

Code	Description
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

#### **Data Element Comment**

Used to populate dCustomConfiguration.08 Custom Data Element Potential Pertinent Negative Values (PN).

#### Associated Validation Rules

Rule ID	Level	Message
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nemSch\_s009 Error

Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) should be unique (the same value should not be listed more than once).

National

#### sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID

Definition

ID for agency demographic custom element grouping.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

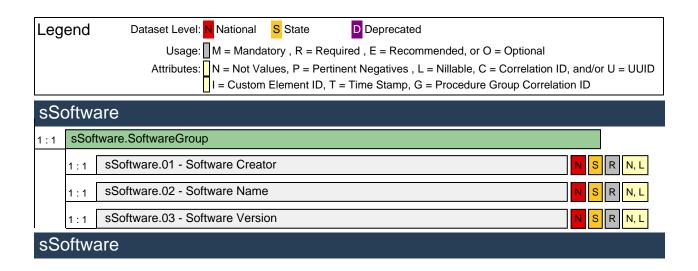
#### Constraints

Data TypeminLengthmaxLengthstring2255

#### **Data Element Comment**

Used to populate dCustomConfiguration.09 Custom Data Element Grouping ID.

## **sSoftware**



NEMSIS Version 3.5.1.240701CR1 SSoftware.01

State

National

#### sSoftware.01 - Software Creator

#### Definition

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

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 7701005 - Not Reporting

#### Constraints

Data TypeminLengthmaxLengthstring150

#### Data Element Comment

Rule ID	Level	Message
nemSch_s001	Error	When Software Creator is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	2 Error	When Software Creator has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

NEMSIS Version 3.5.1.240701CR1 SSoftware.02

State

**National** 

#### sSoftware.02 - Software Name

#### Definition

The name of the application used to create this state data set record.

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 7701005 - Not Reporting

Constraints

Data TypeminLengthmaxLengthstring150

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

nemSch\_s001 Error When Software Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or

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

nemSch\_s002 Error When Software Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

NEMSIS Version 3.5.1.240701CR1 SSoftware.03

State

**National** 

#### sSoftware.03 - Software Version

#### Definition

The version of the application used to create this state data set record.

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 7701005 - Not Reporting

Constraints

Data TypeminLengthmaxLengthstring150

#### **Data Element Comment**

#### Associated Validation Rules

Rule ID Level Message

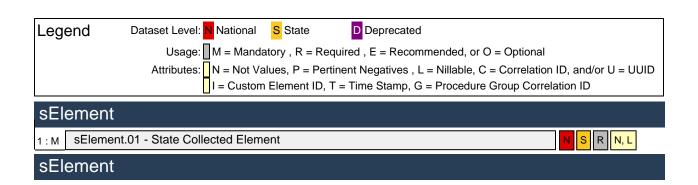
nemSch\_s001 Error When Software Version is empty, it should have a Not Value (Not Applicable, Not Recorded, or

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

nemSch\_s002 Error When Software Version has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

should be empty.

## sElement



NEMSIS Version 3.5.1.240701CR1 SElement.01

State

**National** 

#### sElement.01 - State Collected Element

#### Definition

The data elements that the state collects or requires.

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

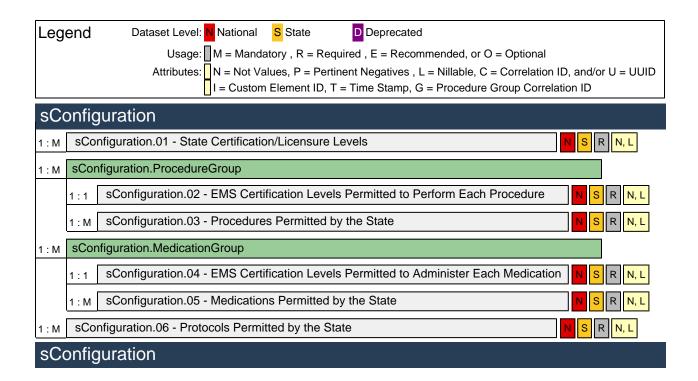
Data TypeminLengthmaxLengthstring1100

#### **Data Element Comment**

Used to configure the agency demographic and patient care report data elements that are to be collected and reported to the state by EMS agencies within the state.

Rule ID	Level	Message
nemSch_s00	1 Error	When State Collected Element is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	2 Error	When State Collected Element has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s00	3 <mark>Warning</mark>	When State Collected Element has a Not Value, no other value should be recorded.
nemSch_s01	5 Warning	State Collected Element should be unique (the same element should not be listed more than once).

# **sConfiguration**



**National** 

#### sConfiguration.01 - State Certification/Licensure Levels

#### Definition

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

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

#### Attributes

#### **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	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**

Used to populate EMS-related values in the following data elements (some data elements contain additional non-EMS-related values, such as "Student" or "Patient" that should be allowed unless specifically instructed otherwise by the state): dAgency.11 Level of Service

dConfiguration.06 EMS Certification Levels Permitted to Perform Each Procedure

dConfiguration.08 EMS Certification Levels Permitted to Administer Each Medication

dVehicle.05 Crew State Certification/Licensure Levels

dPersonnel.24 EMS Personnel's State EMS Certification Licensure Level

dPersonnel.38 EMS Personnel's Practice Level

ePayment.42 Specialty Care Transport Care Provider

Rule ID	Level	Message
nemSch_s001	Error	When State Certification/Licensure Levels is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When State Certification/Licensure Levels has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	- Warning	When State Certification/Licensure Levels has a Not Value, no other value should be recorded.
nemSch_s016	Warning	State Certification/Licensure Levels should be unique (the same level should not be listed more than once).
nemSch_s017	Warning	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s020	Warning	EMS Certification Levels Permitted to Administer Each Medication should be on the list of State Certification/Licensure Levels.

**National** 

#### sConfiguration.02 - EMS Certification Levels Permitted to Perform Each Procedure

#### Definition

The certification/licensure level that is permitted to perform the procedures listed in sConfiguration.03.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_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

#### Code List

Code	Description
------	-------------

9917001 Advanced Emergency Medical Technician (AEMT)

9917002 Emergency Medical Technician - Intermediate

9917003 Emergency Medical Responder (EMR)

9917005 Emergency Medical Technician (EMT)

9917007 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**

Used to populate dConfiguration.06 EMS Certification LevIs Permitted to Perform Each Procedure.

Rule ID	Level	Message
nemSch_s001	Error	When EMS Certification Levels Permitted to Perform Each Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When EMS Certification Levels Permitted to Perform Each Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s017	Warning	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s018	Warning	EMS Certification Levels Permitted to Perform Each Procedure should be unique (the same level should not be listed more than once).

**National** 

#### sConfiguration.03 - Procedures Permitted by the State

#### Definition

Procedures permitted by the state for the certification/licensure level listed in sConfiguration.02.

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 Element Comment**

Used to populate dConfiguration.07 EMS Agency Procedures.

Rule ID	Level	Message
nemSch_s001	1 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 it should be omitted (if the element is optional).
nemSch_s002	2 Error	When Procedures Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	3 <mark>Warning</mark>	When Procedures Permitted by the State has a Not Value, no other value should be recorded.
nemSch_s019	9 Warning	Procedures Permitted by the State should be unique (the same procedure should not be listed more than once for a particular level).

**National** 

#### sConfiguration.04 - EMS Certification Levels Permitted to Administer Each Medication

#### Definition

The certification/licensure level that is permitted to administer the medications listed in sConfiguration.05.

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

#### Associated Performance Measure Initiatives

Airwav	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	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**

Used to populate dConfiguration.08 EMS Certification Levels Permitted to Administer Each Medication.

Rule ID	Level	Message
nemSch_s001	Error	When EMS Certification Levels Permitted to Administer Each Medication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When EMS Certification Levels Permitted to Administer Each Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s020	Warning	EMS Certification Levels Permitted to Administer Each Medication should be on the list of State Certification/Licensure Levels.
nemSch_s021	Warning	EMS Certification Levels Permitted to Administer Each Medication should be unique (the same level should not be listed more than once).

**National** 

#### sConfiguration.05 - Medications Permitted by the State

#### Definition

Medications permitted by the state for the certification/licensure level listed in sConfiguration.04.

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 Type** 

9924003 - RxNorm 9924005 - SNOMED-CT

#### Constraints

**Data Type** minLength maxLength

string

#### **Data Element Comment**

Used to populate dConfiguration.09 EMS Agency Medications

List of medications based on RxNorm (RXCUI) code and SNOMED-CT codes for blood products.. 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://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.

#### Allowable SNOMED-CT codes are:

116762002 Administration of blood product

116795008 Transfusion of cryoprecipitate

116861002 Transfusion of fresh frozen plasma

116865006 Administration of albumin

180208003 Intravenous blood transfusion of platelets

33389009 Transfusion of whole blood

71493000 Transfusion of packed red blood cells

Rule ID Level	Message
nemSch_s001 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 it should be omitted (if the element is optional).
nemSch_s002 Error	When Medications Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003 Warning	When Medications Permitted by the State has a Not Value, no other value should be recorded.

nemSch_s022 Warning	Medications Permitted by the State should be unique (the same medication should not be listed more than once for a particular level).
nemSch_s023 Error	Medications Permitted by the State should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_s024 Error	Medications Permitted by the State should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".
nemSch_s025 Error	Medications Permitted by the State should be an RxNorm code of between 2 and 7 digits or a SNOMED code specifically allowed in the data dictionary.

National

#### sConfiguration.06 - Protocols Permitted by the State

#### Definition

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

000.0 =.0	
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 Injury-Diving Emergencies 9914091 Injury-Drowning/Near Drowning 9914093 9914095 Injury-Electrical Injuries Injury-Extremity 9914097 Injury-Eye 9914099 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 Medical-ST-Elevation Myocardial Infarction (STEMI) 9914143 9914145 Medical-Stroke/TIA 9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation) 9914149 Medical-Syncope Medical-Ventricular Tachycardia (With Pulse) 9914151 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 Cardiac Arrest-Special Resuscitation Orders 9914171 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 General-Neglect or Abuse Suspected 9914187 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 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts 9914201 Injury-Conducted Electrical Weapon (e.g., Taser) 9914203 9914205 Injury-Facial Trauma 9914207 Injury-General Trauma Management 9914209 Injury-Lightning/Lightning Strike 9914211 Injury-SCUBA Injury/Accidents 9914213 Injury-Topical Chemical Burn Medical-Beta Blocker Poisoning/Overdose 9914215 Medical-Calcium Channel Blocker Poisoning/Overdose 9914217 Medical-Opioid Poisoning/Overdose 9914219 9914221 Medical-Respiratory Distress-Bronchiolitis

#### Data Element Comment

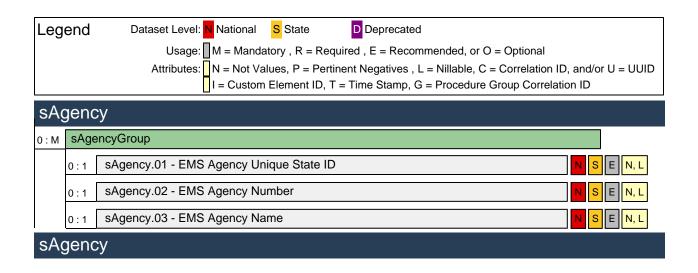
Used to populate dConfiguration.10 EMS Agency Protocols.

#### Version 3 Changes Implemented

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

Rule ID Level	Message
nemSch_s001 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 it should be omitted (if the element is optional).
nemSch_s002 Error	When Protocols Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003 Warning	When Protocols Permitted by the State has a Not Value, no other value should be recorded.
nemSch_s026 Warning	Protocols Permitted by the State should be unique (the same protocol should not be listed more than once).

# sAgency



NEMSIS Version 3.5.1.240701CR1 SAgency.01

State

**National** 

#### sAgency.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	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

Accordated	Performance	Magazira	Initiatives
ASSOCIATED	Periornance	Measure	IIIIIIalives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

NOT Values (NV)

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

#### Constraints

Data TypeminLengthmaxLengthstring150

#### **Data Element Comment**

Used to populate dAgency.01 EMS Agency Unique State ID.

Rule ID	Level	Message
nemSch_s001	Error	When EMS Agency Unique State ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	2 Error	When EMS Agency Unique State ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s027	Warning	EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

NEMSIS Version 3.5.1.240701CR1 SAgency.02

State

**National** 

#### sAgency.02 - EMS Agency Number

#### Definition

The state-assigned provider number of the EMS agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

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

#### Constraints

Data TypeminLengthmaxLengthstring115

#### **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.

Used to populate the following data elements:

dAgency.02 EMS Agency Number

eScene.03 Other EMS or Public Safety Agency ID Number

eDisposition.02 Destination/Transferred To, Code (for transfer of EMS care)

Rule ID	Level	Message
nemSch_s00	1 <mark>Error</mark>	When EMS Agency Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	2 Error	When EMS Agency Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	7 <mark>Warning</mark>	EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

NEMSIS Version 3.5.1.240701CR1 SAgency.03

State

**National** 

#### sAgency.03 - EMS Agency Name

#### Definition

The formal name of the EMS agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

#### **NOT Values (NV)**

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

#### Constraints

Data TypeminLengthmaxLengthstring2100

#### **Data Element Comment**

An EMS agency can have more than one Agency Number within a state. This reflects the ability for an EMS agency to have a different number for each service type or location (based on state implementation).

Used to populate the following data elements:

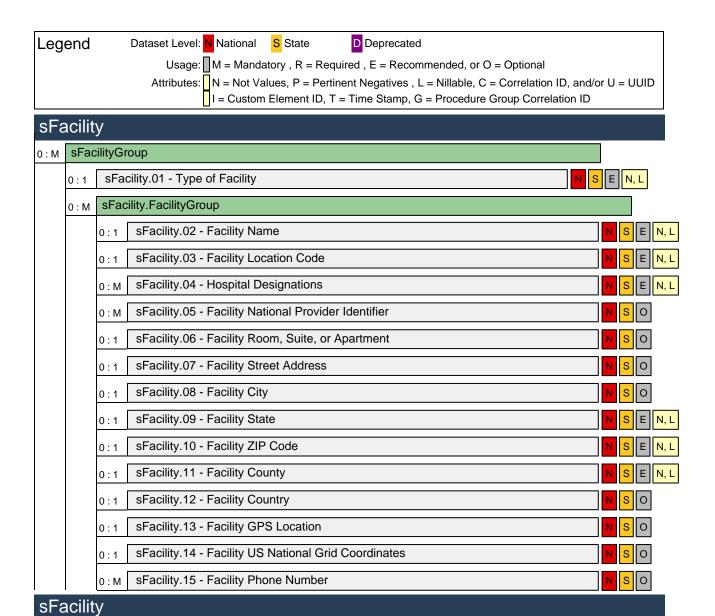
dAgency.03 EMS Agency Name

eScene.02 - Other EMS or Public Safety Agencies at Scene

eDisposition.01 - Destination/Transferred To, Name (for transfer of EMS care)

Rule ID	Level	Message
nemSch_s001	1 Error	When EMS Agency Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	2 Error	When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# sFacility



State

National

# sFacility.01 - Type of Facility

#### Definition

The type of facility (healthcare or other) that the EMS agency transports patients to or from.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Code List

Code	Description
1701001	Assisted Living Facility
1701003	Clinic
1701005	Hospital
1701007	Nursing Home
1701009	Other
1701011	Urgent Care
1701013	Physical Rehabilitation Facility
1701015	Mental Health Facility
1701017	Dialysis Center
1701019	Diagnostic Services
1701021	Freestanding Emergency Department
1701023	Morgue/Mortuary
1701025	Police/Jail
1701027	Other EMS Responder (air)
1701029	Other EMS Responder (ground)
1701031	Other Recurring Care Center
1701033	Drug and/or Alcohol Rehabilitation Facility
1701035	Skilled Nursing Facility

#### **Data Element Comment**

Used to populate dFacility.01 Type of Facility.

Rule ID	Level	Message
nemSch_s001	Error	When Type of Facility is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Type of Facility has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s028	- Warning	Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State should be a unique combination for each facility.

State

National

# sFacility.02 - Facility Name

#### Definition

The name of the facility.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### Constraints

Data TypeminLengthmaxLengthstring2100

be empty.

#### **Data Element Comment**

Used to populate dFacility.02 Facility Name

Rule ID	Level	Message
nemSch_s001	Error	When Facility Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Facility Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should

State

National

# sFacility.03 - Facility Location Code

#### Definition

The code of the facility as assigned by the state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_12	Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

#### Constraints

Data TypeminLengthmaxLengthstring250

#### **Data Element Comment**

Used to populate dFacility.03 Facility Location Code.

Rule ID	Level	Message
nemSch_s00	1 Error	When Facility Location Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	2 <mark>Error</mark>	When Facility Location Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	8 Warning	Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State should be a unique combination for each facility.

State

National

# sFacility.04 - Hospital Designations

#### Definition

The designation(s) associated with the hospital (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	Recommended	Recurrence	0 : M

#### Attributes

#### NOT Values (NV)

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

#### Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric 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
9908037	Stroke-Acute Stroke Ready Hospital (ASRH)
9908039	Stroke-Primary Stroke Center (PSC)
9908041	Stroke-Thrombectomy-Capable Stroke Center (TSC)
9908043	Stroke-Comprehensive Stroke Center (CSC)
9908045	Cancer Center
9908047	Labor and Delivery

#### Data Element Comment

Used to populate dFacility.04 Hospital Designations.

Rule ID	Level	Message
nemSch_s001	Error	When Hospital Designations is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	2 Error	When Hospital Designations has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	3 Warning	When Hospital Designations has a Not Value, no other value should be recorded.
nemSch_s029	Warning	Hospital Designations should be unique (the same designation should not be listed more than once).

State

National

#### sFacility.05 - Facility National Provider Identifier

#### Definition

The facility National Provider Identifier(s) associated with National Provider System (NPS).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Constraints

Data Typelengthstring10

#### **Data Element Comment**

Used to populate dFacility.05 Facility National Provider Identifier.

#### Associated Validation Rules

Rule ID Level Message

nemSch\_s030 Warning Facility National Provider Identifier should be unique (the same identifier should not be listed

more than once).

State

National

# sFacility.06 - Facility Room, Suite, or Apartment

#### Definition

The number of the specific room, suite, or apartment of the facility.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

Data Type	minLength	maxLength
string	1	15

#### Data Element Comment

Used to populate dFacility.06 Facility Room, Suite, or Apartment.

State

National

#### sFacility.07 - Facility Street Address

#### Definition

The street address where the facility is located.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Attributes

#### StreetAddress2

Data Type: string minLength: 1 maxLength: 255

#### Constraints

Data TypeminLengthmaxLengthstring1255

#### **Data Element Comment**

Used to populate dFacility.07 Facility Street Address.

#### Associated Validation Rules

Rule ID Level Message

nemSch\_s028 Warning Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State

should be a unique combination for each facility.

State

National

#### sFacility.08 - Facility City

#### Definition

The city where the facility is located (physical address).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### **Data Element Comment**

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Used to populate dFacility.08 Facility City.

#### Associated Validation Rules

Rule ID Level Message

nemSch\_s028 Warning Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State

should be a unique combination for each facility.

State

National

# sFacility.09 - Facility State

#### Definition

The state where the facility is located.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

#### Constraints

#### **Pattern**

[0-9]{2}

#### **Data Element Comment**

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Used to populate dFacility.09 Facility State.

Rule ID	Level	Message
nemSch_s00	1 Error	When Facility State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	2 Error	When Facility State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	8 Warning	Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State should be a unique combination for each facility.
nemSch_s03	1 Warning	Facility County should belong within the Facility State.

State

National

#### sFacility.10 - Facility ZIP Code

#### Definition

The zip code where the facility is located.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

#### NOT Values (NV)

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

#### 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: <a href="https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/">https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</a> Product: USA - 5-digit ZIP Code Database, Commercial Edition

Used to populate dFacility.10 Facility ZIP Code.

Rule ID	Level	Message
nemSch_s001	Error	When Facility ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Facility ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

National

# sFacility.11 - Facility County

#### Definition

The county where the facility is located.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

#### Attributes

NOT Values (NV)

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

#### Constraints

#### **Pattern**

[0-9]{5}

#### **Data Element Comment**

GNIS Codes Website: http://geonames.usgs.gov/domestic/download\_data.htm

Used to populate dFacility.11 Facility County.

Rule ID	Level	Message
nemSch_s001	Error	When Facility County is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Facility County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s031	<b>Warning</b>	Facility County should belong within the Facility State.

State

National

# sFacility.12 - Facility Country

#### Definition

The country where the facility is located.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Code List

Code Description
CA Canada
MX Mexico
US United States

### **Data Element Comment**

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

Used to populate dFacility.12 Facility Country.

State

National

#### sFacility.13 - Facility GPS Location

#### Definition

#### The facility GPS Coordinates.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

#### **Pattern**

 $(+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?), (+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9])(\.[0-9]{1,6})?)$ 

#### **Data Element Comment**

The pattern for GPS location is in the format "latitude,longitude" where:

- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

Used to populated dFacility.13 Facility GPS Location.

State

National

# sFacility.14 - Facility US National Grid Coordinates

#### Definition

The facility US National Grid Coordinates.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

#### Constraints

#### **Pattern**

([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{10}

#### **Data Element Comment**

Standard found at <a href="http://www.fgdc.gov/usng">http://www.fgdc.gov/usng</a>.

Used to populate dFacility.14 Facility US National Grid Coordinates.

State

National

#### sFacility.15 - Facility Phone Number

#### Definition

#### The facility phone number(s).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

#### Attributes

#### **PhoneNumberType**

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

#### Constraints

#### **Pattern**

#### **Data Element Comment**

This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

Used to populate dFacility.15 Facility Phone Number.

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