

# NEMSIS Data Dictionary

NHTSA v3.5.0 Build 190930

## **EMS Data Standard**

### **National Elements Only**

Version Date: September 30, 2019

Funded by

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

www.NEMSIS.org

### **NEMSIS Data Dictionary Version 3.5.0**

#### 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 (v3.4.0) to the current version (v3.5.0).

#### Composition of the NEMSIS Version 3.5.0 Standard

Total Elements	643
EMS Elements	444
Mandatory	21
Required	129
Recommended	56
Optional	237
DEM Elements	152
Mandatory	25
Required	4
Recommended	41
Optional	82
StateDataSet Elements	47
Mandatory	11
Required	10
Recommended	10
Optional	16

#### Changes from v3.4.0 to v3.5.0

New	Updated	Removed
73	100	58
26	80	10
0	20	4
47	0	44
	73 26 0	73 100 26 80 0 20

Changes in National Elements	v3.4.0	v3.5.0
Total (excluding SDS, eOutcome)	165	155
Mandatory	37	32
Required	128	123

#### NEMSIS Version 3.5.0 Data Dictionary Content

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

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

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

#### 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 3.5.0, the Version 2 Number will be blank.

#### **Data Structure Information**

- Recurrence (12)
  - •Indication that the data element can have more than one value.
    - •Represented by two characters separated by a colon. The configuration includes:
      - •0:1 = element is not required and can occur only once
      - •0:M = element is not required and can repeat multiple times
      - •1:1 = element is required and can occur only once
      - •1:M = element is required and can repeat multiple times
- Usage (8)
  - Indication of when the data element is expected to be collected.
    - Mandatory = Must be completed and does not allow for NOT values
    - Required = Must be completed and allows NOT values
    - Recommended = Does not need to be completed and allows NOT values
    - Optional = Does not need to be completed and does not allow for NOT values
- NOT Value Characteristics (10)
  - •Indication that the data element can have NOT values.
  - NOT Values are used (where permitted) to document that a data element was not applicable, 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/NEMSIS V3 1 EMSDataSet Pertine

- NOT Values Accepted (14)
  - •Indication of which of the following three NOT values is acceptable.
  - Not all data elements accept NOT values.
  - NOT Values have been condensed in Version 3.
    - Not Applicable = The data element is not applicable or pertinent.

- •Not Recorded = The data element is considered applicable, but was left blank. The software should auto-populate it with "Not Recorded".
- Not Reporting = The data element is not collected by the EMS agency or state. This NOT value does not apply to National elements where Usage is specified as "Required".
- Pertinent Negative Values (PN) (9) (14)
  - A list of Pertinent Negative Values which can be associated with a data element.
  - Not all data elements accept Pertinent Negative Values.
  - Pertinent Negative Values are documented as "an attribute" of an element. It allows the documentation of pertinent negative value in addition to the documentation of 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/NEMSIS\_V3\_1\_EMSDataSet\_Pertine
  - Example of use:
    - Example #1 Aspirin Administration:
      - If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".
- Is Nillable (11)
  - Indication that the element can accept a "blank" value.
  - •If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

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

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

#### Attributes (14)

• An attribute provides extra information within an element.

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

https://nemsis.org/media/nemsis\_v3/master/UsageGuides/NEMSIS\_V3\_1\_EMSDataSet\_Pertinent\_Ne

The following are possible attributes:

- PN (Pertinent Negative)
  - 8801001 Contraindication Noted
  - •8801003 Denied By Order
  - \*8801005 Exam Finding Not Present
  - 8801007 Medication Allergy
  - 8801009 Medication Already Taken
  - 8801013 No Known Drug Allergy
  - •8801015 None Reported
  - 8801017 Not Performed by EMS
  - •8801019 Refused
  - 8801021 Unresponsive
  - \*8801023 Unable to Complete

- 8801025 Not Immunized
- \*8801027 Order Criteria Not Met
- \*8801029 Approximate
- •8801031 Symptom Not Present
- •NV (Not Value)
  - •7701001 Not Applicable
  - •7701003 Not Recorded
  - 7701005 Not Reporting
- Nillable xsi:nil="true"
- Code Type
  - •9924001 = ICD-10
  - •9924003 = RxNorm
  - •9924005 = SNOMED-CT
- CorrelationID
  - Data Type = String
  - minLength = 0
  - maxLength = 255
- DistanceUnit
  - •9921001 Kilometers
  - 9921003 Miles
- EmailAddressType
  - 9904001 Personal
  - 9904003 Work
- nemsisCode
  - Data Type = String
- nemsisElement
  - Data Type = String
- nemsisValueDescription
  - Data Type = String
- PhoneNumberType
  - 9913001 Fax
  - 9913003 Home
  - 9913005 Mobile
  - 9913007 Pager
  - 9913009 Work
- ProcedureGroupCorrelationID
  - Date Type = CorrelationID
- StreetAddress2
  - Data Type = String
  - minLength = 1
  - maxLength = 255
- TimeStamp
  - Data Type = DateTime
  - •minValue = 1950-01-01T00:00:00-00:00
  - maxValue = 2050-01-01T00:00:00-00:00

- UUID
  - UUIDs must be generated using the IETF RFC 4122 standard.
  - RFC 4122 defines 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.







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
8801005 - Exam Finding Not Present
8801007 - Not Present
8801007 - Not Present
8801007 - Not Present
8801003 - Present

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

SSEE011 Value F

(17) Data Element Comment

The data element comment.

(18) Version 3 Changes Implemented

Any V3 change comments

19 Deprecated Comments

Any deprecation comments

(20) Associated Validation Rules

Rule ID Level Message

nemSch\_e001 Error When Example Element Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for

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

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

### **Table of Contents**

EMSDataSet	1
EMSDataSet Grouping	2
DEMDataSet	3
DEMDataSet Grouping	4
StateDataSet	5
StateDataSet Grouping dAgency.01 - EMS Agency Unique State ID	6 7
dAgency.02 - EMS Agency Number dAgency.04 - EMS Agency State	8 9
eRecord	10
eRecord Grouping eRecord.01 - Patient Care Report Number eRecord.02 - Software Creator eRecord.03 - Software Name eRecord.04 - Software Version	11 12 13 14 15
eResponse	16
eResponse.01 - EMS Agency Number eResponse.03 - Incident Number eResponse.04 - EMS Response Number eResponse.05 - Type of Service Requested eResponse.07 - Unit Transport and Equipment Capability eResponse.08 - Type of Dispatch Delay eResponse.09 - Type of Response Delay eResponse.10 - Type of Scene Delay eResponse.11 - Type of Transport Delay eResponse.12 - Type of Turn-Around Delay eResponse.13 - EMS Vehicle (Unit) Number eResponse.23 - Response Mode to Scene eResponse.24 - Additional Response Mode Descriptors	17 18 19 20 21 23 24 25 26 27 28 30 31 32 33
eDispatch	34
eDispatch Grouping eDispatch.01 - Dispatch Reason eDispatch.02 - EMD Performed	35 36 38
eTimes	39
eTimes Grouping eTimes.01 - PSAP Call Date/Time eTimes.03 - Unit Notified by Dispatch Date/Time eTimes.05 - Unit En Route Date/Time eTimes.06 - Unit Arrived on Scene Date/Time	40 41 43 45 47

eTimes.07 - Arrived at Patient Date/Time eTimes.09 - Unit Left Scene Date/Time eTimes.11 - Patient Arrived at Destination Date/Time eTimes.12 - Destination Patient Transfer of Care Date/Time eTimes.13 - Unit Back in Service Date/Time	49 51 53 55 57
ePatient	59
ePatient Grouping ePatient.07 - Patient's Home County ePatient.08 - Patient's Home State ePatient.09 - Patient's Home ZIP Code ePatient.13 - Gender ePatient.14 - Race ePatient.15 - Age ePatient.16 - Age Units	60 61 62 63 64 65 66
ePayment	68
ePayment Grouping ePayment.01 - Primary Method of Payment ePayment.50 - CMS Service Level	69 70 71
eScene	72
eScene Grouping eScene.01 - First EMS Unit on Scene eScene.06 - Number of Patients at Scene eScene.07 - Mass Casualty Incident eScene.08 - Triage Classification for MCI Patient eScene.09 - Incident Location Type eScene.18 - Incident State eScene.19 - Incident ZIP Code eScene.21 - Incident County	73 74 75 76 77 78 79 80 81
eSituation	82
eSituation Grouping eSituation.01 - Date/Time of Symptom Onset eSituation.02 - Possible Injury eSituation.07 - Chief Complaint Anatomic Location eSituation.08 - Chief Complaint Organ System eSituation.09 - Primary Symptom eSituation.10 - Other Associated Symptoms eSituation.11 - Provider's Primary Impression eSituation.12 - Provider's Secondary Impressions eSituation.13 - Initial Patient Acuity eSituation.18 - Date/Time Last Known Well eSituation.20 - Reason for Interfacility Transfer/Medical Transport	83 84 86 87 88 89 90 91 92 93 94
elnjury	96
elnjury Grouping elnjury.01 - Cause of Injury elnjury.03 - Trauma Triage Criteria (Steps 1 and 2)	97 98 99

		- Trauma	T	O : 1 : .	/04	I 4\
വവ	11 15/ 1 1/1	_ iraiima	Iriana	( ritaria	INTANC 4	2na /11
CILI	iui v.u <del>-</del>	- II auiiia	HILAGE	Unichia	TOLEDS 5	and 41

eProtocols Grouping

eArrest	101
eArrest Grouping	102
eArrest.01 - Cardiac Arrest	103
eArrest.02 - Cardiac Arrest Etiology	105
eArrest.03 - Resuscitation Attempted By EMS	106
eArrest.04 - Arrest Witnessed By	108
eArrest.07 - AED Use Prior to EMS Arrival	109
eArrest.09 - Type of CPR Provided	110
eArrest.11 - First Monitored Arrest Rhythm of the Patient	111
eArrest.12 - Any Return of Spontaneous Circulation	112
eArrest.14 - Date/Time of Cardiac Arrest	113
eArrest.16 - Reason CPR/Resuscitation Discontinued	115
eArrest.17 - Cardiac Rhythm on Arrival at Destination	116
eArrest.18 - End of EMS Cardiac Arrest Event	118
eArrest.20 - Who First Initiated CPR	119
eArrest.21 - Who First Applied the AED	121
eArrest.22 - Who First Defibrillated the Patient	123
	405
eHistory	125
eHistory Grouping	126
eHistory.01 - Barriers to Patient Care	127
eHistory.17 - Alcohol/Drug Use Indicators	128
a Vilanta	400
eVitals	129
eVitals Grouping	130
eVitals Grouping	130
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken	130 131
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care	130 131 133
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	130 131 133 134
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type	130 131 133 134 136
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation	130 131 133 134 136 137
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure)	130 131 133 134 136 137 138
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate	130 131 133 134 136 137 138 139
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry	130 131 133 134 136 137 138 139 140
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate	130 131 133 134 136 137 138 139 140
eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	130 131 133 134 136 137 138 139 140 141
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.16 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level	130 131 133 134 136 137 138 139 140 141 142 143
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.15 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level eVitals.19 - Glasgow Coma Score-Eye	130 131 133 134 136 137 138 139 140 141 142 143 144
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.15 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level eVitals.19 - Glasgow Coma Score-Eye eVitals.20 - Glasgow Coma Score-Verbal	130 131 133 134 136 137 138 139 140 141 142 143 144
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.15 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level eVitals.19 - Glasgow Coma Score-Eye eVitals.20 - Glasgow Coma Score-Verbal eVitals.21 - Glasgow Coma Score-Motor	130 131 133 134 136 137 138 139 140 141 142 143 144 145
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.16 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level eVitals.19 - Glasgow Coma Score-Eye eVitals.20 - Glasgow Coma Score-Verbal eVitals.21 - Glasgow Coma Score-Motor eVitals.22 - Glasgow Coma Score-Qualifier	130 131 133 134 136 137 138 139 140 141 142 143 144 145 146 147
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.14 - Respiratory Rate eVitals.18 - Blood Glucose Level eVitals.19 - Glasgow Coma Score-Eye eVitals.20 - Glasgow Coma Score-Motor eVitals.22 - Glasgow Coma Score-Motor eVitals.22 - Glasgow Coma Score-Qualifier eVitals.26 - Level of Responsiveness (AVPU)	130 131 133 134 136 137 138 139 140 141 142 143 144 145 146 147
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.16 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level eVitals.20 - Glasgow Coma Score-Eye eVitals.21 - Glasgow Coma Score-Worbal eVitals.22 - Glasgow Coma Score-Wotor eVitals.22 - Glasgow Coma Score-Qualifier eVitals.26 - Level of Responsiveness (AVPU) eVitals.27 - Pain Scale Score	130 131 133 134 136 137 138 139 140 141 142 143 144 145 146 147 148
eVitals Grouping eVitals.01 - Date/Time Vital Signs Taken eVitals.02 - Obtained Prior to this Unit's EMS Care eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG) eVitals.04 - ECG Type eVitals.05 - Method of ECG Interpretation eVitals.06 - SBP (Systolic Blood Pressure) eVitals.10 - Heart Rate eVitals.12 - Pulse Oximetry eVitals.14 - Respiratory Rate eVitals.16 - End Tidal Carbon Dioxide (ETCO2) eVitals.18 - Blood Glucose Level eVitals.20 - Glasgow Coma Score-Eye eVitals.21 - Glasgow Coma Score-Verbal eVitals.22 - Glasgow Coma Score-Motor eVitals.26 - Level of Responsiveness (AVPU) eVitals.27 - Pain Scale Score eVitals.29 - Stroke Scale Score	130 131 133 134 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150

1	h	<b>h</b>

eMedications Grouping eMedications.01 - Date/Time Medication Administered eMedications.02 - Medication Administered Prior to this Unit's EMS Care eMedications.03 - Medication Administered eMedications.04 - Medication Administered Route eMedications.05 - Medication Dosage eMedications.05 - Medication Dosage eMedications.06 - Medication Dosage Units eMedications.07 - Response to Medication eMedications.08 - Medication Complication eMedications.08 - Medication Complication 170 eMedications.10 - Role/Type of Person Administering Medication 172	
eMedications.01 - Date/Time Medication Administered eMedications.02 - Medication Administered Prior to this Unit's EMS Care eMedications.03 - Medication Administered eMedications.04 - Medication Administered Route eMedications.05 - Medication Dosage eMedications.06 - Medication Dosage Units eMedications.07 - Response to Medication eMedications.08 - Medication Complication	
eMedications.03 - Medication Administered 164 eMedications.04 - Medication Administered Route 166 eMedications.05 - Medication Dosage 168 eMedications.06 - Medication Dosage Units 169 eMedications.07 - Response to Medication 170 eMedications.08 - Medication Complication 171	
eMedications.04 - Medication Administered Route 166 eMedications.05 - Medication Dosage 168 eMedications.06 - Medication Dosage Units 169 eMedications.07 - Response to Medication 170 eMedications.08 - Medication Complication 171	
eMedications.05 - Medication Dosage  eMedications.06 - Medication Dosage Units  eMedications.07 - Response to Medication  eMedications.08 - Medication Complication  170	
eMedications.06 - Medication Dosage Units eMedications.07 - Response to Medication eMedications.08 - Medication Complication  170	
eMedications.07 - Response to Medication 170 eMedications.08 - Medication Complication 171	
eMedications.08 - Medication Complication	
·	
eMedications.10 - Role/Type of Person Administering Medication 172	
eProcedures 174	
eProcedures Grouping 175	
eProcedures.01 - Date/Time Procedure Performed 176	
eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care	
eProcedures.03 - Procedure	
eProcedures.05 - Number of Procedure Attempts 180	
eProcedures.06 - Procedure Successful	
eProcedures.07 - Procedure Complication 182	
eProcedures.08 - Response to Procedure	
eProcedures.10 - Role/Type of Person Performing the Procedure  184	
eDisposition 186	
eDisposition Grouping 187	
eDisposition.05 - Destination State	
eDisposition.06 - Destination County	
eDisposition.07 - Destination ZIP Code	
eDisposition.27 - Unit Disposition	
eDisposition.28 - Patient Evaluation/Care	
eDisposition.29 - Crew Disposition	
eDisposition.30 - Transport Disposition	
eDisposition.16 - EMS Transport Method	
eDisposition.17 - Transport Mode from Scene	
eDisposition.18 - Additional Transport Mode Descriptors	
eDisposition.19 - Final Patient Acuity	
eDisposition.20 - Reason for Choosing Destination	
eDisposition.21 - Type of Destination 204	
eDisposition.22 - Hospital In-Patient Destination	
eDisposition.23 - Hospital Capability	
eDisposition.24 - Destination Team Pre-Arrival Alert or Activation 209	
eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation	
·	
eDisposition.32 - Level of Care Provided per Protocol	
eOutcome 213	
eOutcome 213	
eOutcome 213	

dAgency	219
dAgency Grouping	220
dAgency.01 - EMS Agency Unique State ID	221
dAgency.02 - EMS Agency Number	222
dAgency.04 - EMS Agency State	223
dAgency.05 - EMS Agency Service Area States	224
dAgency.06 - EMS Agency Service Area County(ies)	225
dAgency.07 - EMS Agency Census Tracts	226
dAgency.08 - EMS Agency Service Area ZIP Codes	227
dAgency.09 - Primary Type of Service	228
dAgency.11 - Level of Service	229
dAgency.12 - Organization Status	230
dAgency.13 - Organizational Type	231
dAgency.14 - EMS Agency Organizational Tax Status	232
dAgency.25 - National Provider Identifier	233
dAgency.26 - Fire Department ID Number	234
dConfiguration	235
dConfiguration Grouping	236
dConfiguration.01 - State Associated with this Configuration	237
dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure	238
dConfiguration.07 - EMS Agency Procedures	239
dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication	240
dConfiguration.09 - EMS Agency Medications	241
dConfiguration.10 - EMS Agency Protocols	242
dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service Area	245
dConfiguration.16 - Crew Call Sign	246
sState	247
sState Grouping	248
sState.01 - State	249
	243
seCustomConfiguration	250
seCustomConfiguration Grouping	251
seCustomConfiguration.01 - Patient Care Report Custom Data Element Title	252
seCustomConfiguration.02 - Patient Care Report Custom Definition	253
seCustomConfiguration.03 - Patient Care Report Custom Data Type	254
seCustomConfiguration.04 - Patient Care Report Custom Data Element Recurrence	255
seCustomConfiguration.05 - Patient Care Report Custom Data Element Usage	256
seCustomConfiguration.06 - Patient Care Report Custom Data Element Potential Values	257
seCustomConfiguration.07 - Patient Care Report Custom Data Element Potential NOT Values (NV)	258
seCustomConfiguration.08 - Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN)	259
seCustomConfiguration.09 - Patient Care Report Custom Data Element Grouping ID	260
sdCustomConfiguration	261
sdCustomConfiguration Grouping	262
sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title	263
sdCustomConfiguration.02 - Agency Demographic Custom Definition	264

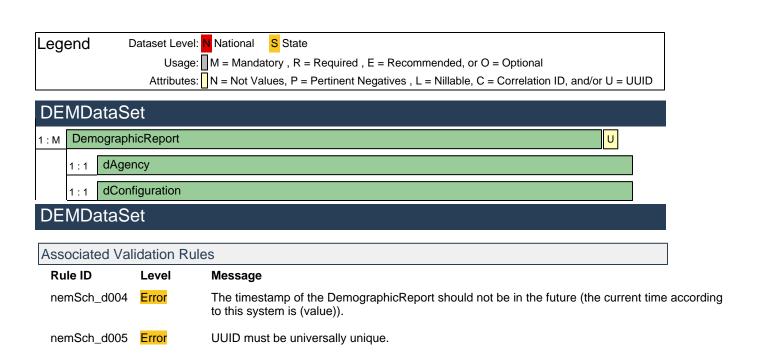
sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID	265 266 267 268 269 270
sSoftware	272
sSoftware Grouping	273
sSoftware.01 - Software Creator	274 275
sSoftware.02 - Software Name sSoftware.03 - Software Version	275 276
ssortware.us - Sortware version	276
sElement Selement	277
sElement Grouping	278
sElement.01 - State Collected Element	279
sConfiguration	280
sConfiguration Grouping	281
sConfiguration.01 - State Certification/Licensure Levels	282
sConfiguration.02 - EMS Certification Levels Permitted to Perform Each Procedure	283
sConfiguration.03 - Procedures Permitted by the State	284
sConfiguration.04 - EMS Certification Levels Permitted to Administer Each Medication	285
sConfiguration.05 - Medications Permitted by the State	286
sConfiguration.06 - Protocols Permitted by the State	287
sAgency	290
sAgency Grouping	291
sAgency.01 - EMS Agency Unique State ID	291
sAgency.02 - EMS Agency Number	293
sAgency.03 - EMS Agency Name	294
SAGENCY.00 - LINE Agency Name	254
sFacility	295
sFacility Grouping	296
sFacility.01 - Type of Facility	297
sFacility.02 - Facility Name	298
sFacility.03 - Facility Location Code	299
sFacility.04 - Hospital Designations	300
sFacility.05 - Facility National Provider Identifier	301
sFacility.06 - Facility Room, Suite, or Apartment	302
sFacility.07 - Facility Street Address	303
sFacility.08 - Facility City	304
sFacility.09 - Facility State	305
sFacility.10 - Facility ZIP Code	306
sFacility.11 - Facility County	307
sFacility.12 - Facility Country	308
sFacility.13 - Facility GPS Location	309
sFacility.14 - Facility US National Grid Coordinates	310

# **EMSDataSet**

Legend Dataset Level: N National S State Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID **EMSDataSet** Header 1 : M DemographicGroup dAgency.01 - EMS Agency Unique State ID dAgency.02 - EMS Agency Number 1:1 dAgency.04 - EMS Agency State PatientCareReport 1 : M eRecord 1:1 eResponse 1:1 eDispatch 1:1 eTimes **ePatient** 1:1 ePayment 1:1 eScene eSituation 1:1 elnjury 1:1 eArrest eHistory eVitals 1:1 **eProtocols e**Medications 1:1 **eProcedures** 1:1 eDisposition eOutcome

**EMSDataSet** 

# **DEMDataSet**



# **StateDataSet**

Leg	_egend Dataset Level: N National S State					
	Usage: $\[ \]$ M = Mandatory , R = Required , E = Recommended, or O = Optional Attributes: $\[ \]$ N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID					
Sta	teDataSet					
1:1	sState					
0:1	seCustomConfiguration					
0:1	sdCustomConfiguration					
1:1	sSoftware					
1:1	sElement					
1:1	sConfiguration					

### sFacility StateDataSet

0:1

sAgency

#### Associated Validation Rules

Rule ID Level

Message

nemSch\_s004 Error

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

NEMSIS Version 3.5.0.190930 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

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

#### Data Element Comment

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

NEMSIS Version 3.5.0.190930 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 3.5.0.190930 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}

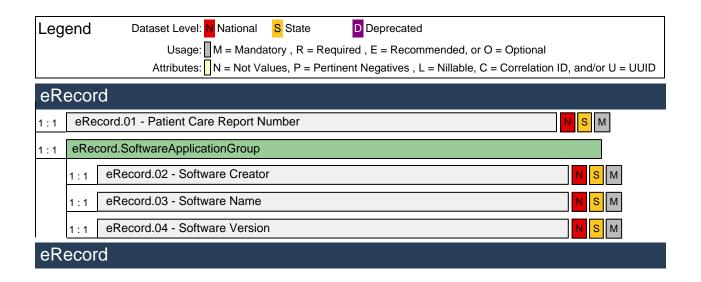
#### **Data Element Comment**

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

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

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.

# eRecord



State

National

#### eRecord.01 - Patient Care Report Number

#### Definition

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

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

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

#### Constraints

Data Type	minLength	maxLength
string	3	50

#### Data Element Comment

State

National

#### eRecord.02 - Software Creator

#### Definition

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

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

#### Data Element Comment

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

Published: 09/30/2019 www.NEMSIS.org Page 13

State

National

#### eRecord.03 - Software Name

#### Definition

The name of the application used to create this record.

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

#### Constraints

Data Type	minLength	maxLength
string	1	50

#### Data Element Comment

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

State

National

#### eRecord.04 - Software Version

#### Definition

The version of the application used to create this record.

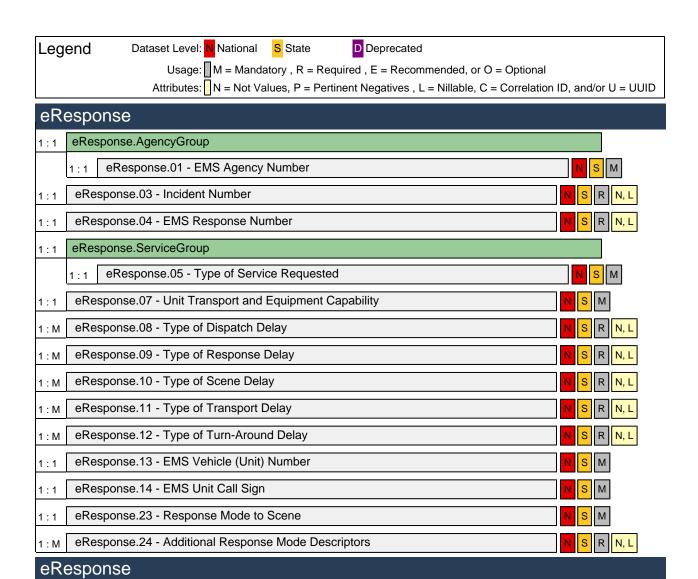
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1:1

#### Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

# eResponse



NEMSIS Version 3.5.0.190930 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.

NEMSIS Version 3.5.0.190930 eResponse.03

State

National

### eResponse.03 - Incident Number

#### Definition

The incident number assigned by the 911 Dispatch System.

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

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

Data Type	minLength	maxLength
string	3	50

#### Data Element Comment

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

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

NEMSIS Version 3.5.0.190930 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 TypeminLengthmaxLengthstring350

#### Data Element Comment

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

State

**National** 

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

#### Definition

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

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

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

#### Code List

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 Transfel
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; options for "Sending Hospital Staff" and "Critical or Specialty Care" were added to better track resource utilization at local and state levels and support reimbursement levels. "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	Level	Message
nemSch_e07	5 <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_e07	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	8 Warning	Chief Complaint Anatomic Location 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_e079 Warning	Chief Complaint Organ System 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_e088 Warning	Reason for Interfacility Transfer/Medical Transport should only be recorded when Type of Service Requested is " Transfer" or "Other Routine Medical Transport".

eResponse.07 NEMSIS Version 3.5.0.190930

**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.

State

**National** 

# eResponse.08 - Type of Dispatch Delay

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

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

7701001 - Not Applicable 77

7701003 - Not Recorded

#### 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

#### **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	2 Error	When Type of Dispatch Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e012	2 Warning	When Type of Dispatch Delay is "None/No Delay", no other value should be recorded.

State

**National** 

# eResponse.09 - Type of Response Delay

#### Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# **NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

# Code List

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

# **Data Element Comment**

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

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

Rule ID Level	Message
nemSch_e001 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_e002 Error	When Type of Response Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e013 Warning	When Type of Response Delay is "None/No Delay", no other value should be recorded.

State

**National** 

# eResponse.10 - Type of Scene Delay

# Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

# Code List

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

# Data Element Comment

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

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

State

**National** 

# eResponse.11 - Type of Transport Delay

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# **NOT Values (NV)**

7701001 - Not Applicable 770

7701003 - Not Recorded

#### Code List

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

# **Data Element Comment**

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

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

Rule ID Leve	Message
nemSch_e001 Erroi	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_e015 Warr	When Type of Transport Delay is "None/No Delay", no other value should be recorded.

State

**National** 

# eResponse.12 - Type of Turn-Around Delay

#### Definition

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

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

# Associated Performance Measure Initiatives

#### Response

# Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

# **Data Element Comment**

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

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

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

Rule ID	Level	Message
nemSch_e001	Error	When Type of Turn-Around Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	2 Error	When Type of Turn-Around Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e016	Warning Warning	When Type of Turn-Around Delay is "None/No Delay", no other value should be recorded.

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.

State

**National** 

# eResponse.14 - EMS Unit Call Sign

# Definition

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

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

# Constraints

Data Type	minLength	maxLength
string	1	50

# Data Element Comment

<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).

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	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)

State

**National** 

# eResponse.24 - Additional Response Mode Descriptors

#### Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# **NOT Values (NV)**

7701001 - Not Applicable 7701003 - Not Recorded

# Code List

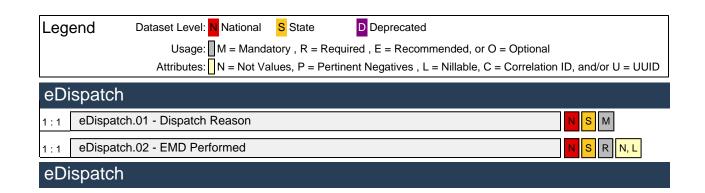
Code	Description
2224001	Intersection Navigation-Against Normal Light Patterns
2224003	Intersection Navigation-With Automated Light Changing Technology
2224005	Intersection Navigation-With Normal Light Patterns
2224007	Scheduled
2224009	Speed-Enhanced per Local Policy
2224011	Speed-Normal Traffic
2224013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

#### **Data Element Comment**

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

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 <mark>Error</mark>	When Additional Response Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# **eDispatch**



State

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 Troffic/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

# 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

NEMSIS Version 3.5.0.190930 eDispatch.02

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

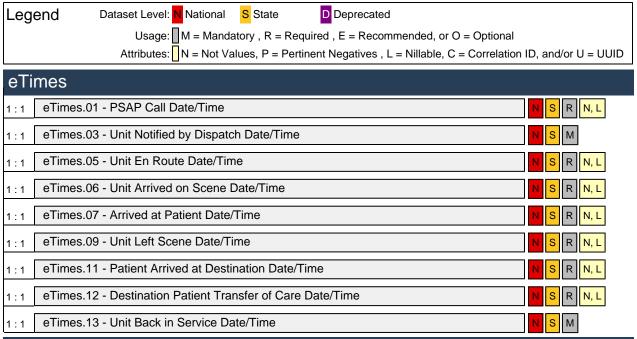
2302003 Yes, With Pre-Arrival Instructions 2302005 Yes, Without Pre-Arrival Instructions

2302007 Yes, Unknown if Pre-Arrival Instructions Given

# **Data Element Comment**

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.

# eTimes



# eTimes

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.

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)

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

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.

State

National

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

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

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

7701001 - Not Applicable 7701003 - N

# 7701003 - Not Recorded

#### Constraints

Data Type minInclusive maxInclusive

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

#### **Pattern**

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

# **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

## 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.

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** 

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

#### **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
mr	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 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.

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** 

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

# **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 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

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

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 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.

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 - 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
'_'	

## 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.

State

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
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 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.

State

National

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

# Definition

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

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

# Associated Performance Measure Initiatives

# Response

# Constraints

Data Type minInclusive maxInclusive

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

**Pattern** 

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

# **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)

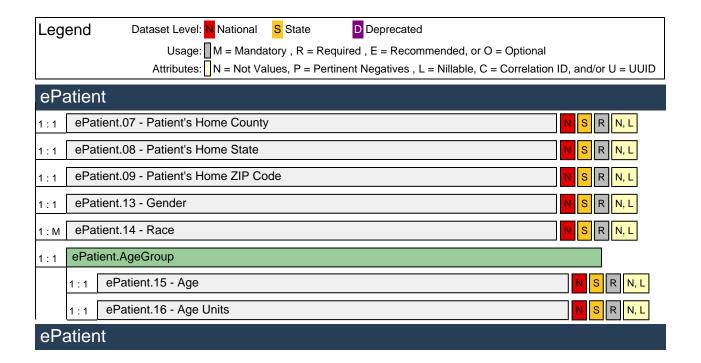
Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

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.

# **ePatient**



NEMSIS Version 3.5.0.190930 ePatient.07

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.

NEMSIS Version 3.5.0.190930 ePatient.08

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 Le	.evel	Message
nemSch_e001 <mark>Er</mark>	rror	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 Er	rror	When Patient's Home State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e058 W	<b>Varning</b>	Patient's Home County should belong within the Patient's Home State.
nemSch_e059 W	<mark>Varning</mark>	Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

NEMSIS Version 3.5.0.190930 ePatient.09

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	Level	Message
nemSch_e00 <sup>2</sup>	1 Error	When Patient's Home ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	2 Error	When Patient's Home ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e060	) Warning	Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

ePatient.13 NEMSIS Version 3.5.0.190930

**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_e00	)1 <mark>Error</mark>	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_e00	)2 <mark>Error</mark>	When Gender has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e06	31 Warning	Gender should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

ePatient.14 NEMSIS Version 3.5.0.190930

**National** 

#### ePatient.14 - Race

#### Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

#### Attributes

# NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

# Code List

Code	Description
2514001	American Indian
0544000	A .

or Alaska Native

2514003 Asian

2514005 Black or African American

Hispanic or Latino 2514007

2514009 Native Hawaiian or Other Pacific Islander

2514011 White

#### **Data Element Comment**

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

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

Rule ID	Level	Message
nemSch_e00	1 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_e00	2 Error	When Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e06	2 Warning	Race should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

ePatient.15 NEMSIS Version 3.5.0.190930

**National** 

# ePatient.15 - Age

# Definition

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

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

# Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

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

#### Constraints

minInclusive maxInclusive **Data Type** 

integer 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	Error	When Age has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e063	Warning	Age should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e065	Warning	Age Units should be recorded when Age is recorded.

ePatient.16 NEMSIS Version 3.5.0.190930

**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

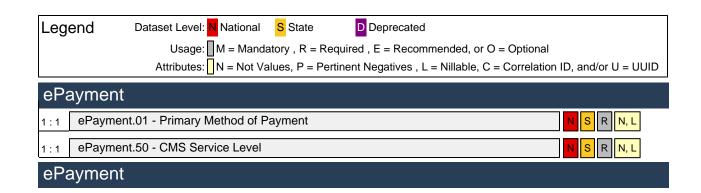
# Code List

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.

# ePayment



NEMSIS Version 3.5.0.190930 ePayment.01

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**

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	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_e00	2 Error	When Primary Method of Payment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e06	6 Warning	Primary Method of Payment should be recorded when Transport Disposition is "Transport by This EMS Unit".

NEMSIS Version 3.5.0.190930 ePayment.50

State

**National** 

# ePayment.50 - CMS Service Level

#### Definition

The CMS service level for this EMS encounter.

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

# Associated Performance Measure Initiatives

Airway Pediatric STEMI Stroke Trauma

# Attributes

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

7701001 - Not Applicable 770

7701003 - Not Recorded

#### Code List

Code	Description
2650001	1 امریم ا ۱ کا ۵

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**

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	2 Error	When CMS Service Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# eScene

#### Legend D Deprecated Dataset Level: N National S State Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives, L = Nillable, C = Correlation ID, and/or U = UUID eScene eScene.01 - First EMS Unit on Scene S R N, L 1:1 eScene.06 - Number of Patients at Scene 1:1 eScene.07 - Mass Casualty Incident eScene.08 - Triage Classification for MCI Patient 1:1 eScene.09 - Incident Location Type 1:1 eScene.18 - Incident State 1:1 eScene.19 - Incident ZIP Code 1:1 eScene.21 - Incident County eScene

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.

Rule ID	Level	Message
nemSch_e00	1 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_e00	2 Error	When First EMS Unit on Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

**National** 

# eScene.06 - Number of Patients at Scene

# Definition

Indicator of how many total patients were at the scene.

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

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

# Code List

CodeDescription2707001Multiple2707003None2707005Single

# Data Element Comment

Rule ID	Level	Message
nemSch_e00′	1 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	2 <mark>Error</mark>	When Number of Patients at Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e067	7 <mark>Warning</mark>	Number of Patients at Scene should be "Multiple" or "Single" when Unit Disposition is "Patient Contact Made".
nemSch_e068	8 Warning	Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes".

eScene.07 NEMSIS Version 3.5.0.190930

**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	age Required		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_e001	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 Warning	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

Airwav	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	0 Warning	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".

State

National

# eScene.18 - Incident State

# Definition

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

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

Associated	Performance	Measure	Initiatives
	1 CHOIIIIAIICE	Measure	minanves

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	Level	Message
nemSch_e001	Error	When Incident State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	2 Error	When Incident State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e071	Warning	Incident State should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e074	Warning	Incident County 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 Leve	Message
nemSch_e001 Erro	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_e002 Erro	When Incident ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e072 War	Incident ZIP Code should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".

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}

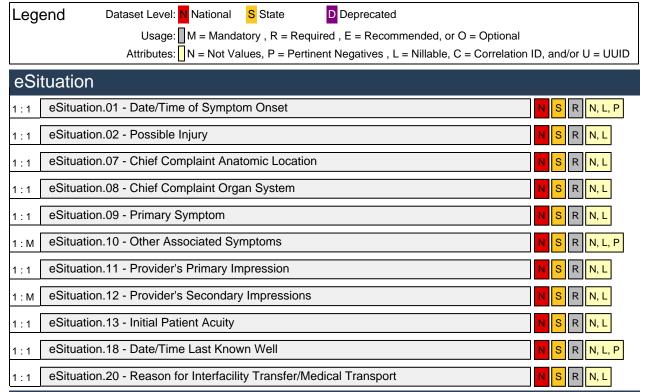
#### **Data Element Comment**

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_e001	Error	When Incident County is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Incident County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e073	Warning	Incident County should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e074	Warning	Incident County should belong within the Incident State.

# **eSituation**



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 <mark>Error</mark>	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_e00	2 Error	When Date/Time of Symptom Onset has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	3 Error	When Date/Time of Symptom Onset 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_e00	4 Error	When Date/Time of Symptom Onset 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_e05	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_e001	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	Error	When Possible Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
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_e077	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
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".
nemSch_e091	Warning	Trauma Triage Criteria (Steps 1 and 2) should only be recorded when Possible Injury is "Yes".
nemSch_e092	Warning	Trauma Triage Criteria (Steps 3 and 4) should only be recorded when Possible Injury is "Yes".

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 Lev	Message	
nemSch_e001 Erro	Not Recorded, or	plaint Anatomic Location is empty, it should have a Not Value (Not Applicable, Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed or it should be omitted (if the element is optional).
nemSch_e002 Erro		plaint Anatomic Location has a Not Value (Not Applicable, Not Recorded, or should be empty.
nemSch_e078 War		Anatomic Location should be recorded when Type of Service Requested is bonse (Primary Response Area)" and Patient Evaluation/Care is "Patient are Provided".

State

**National** 

# eSituation.08 - Chief Complaint Organ System

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code

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

**Description** 

2808017 Reproducti 2808019 Pulmonary 2808021 Renal

#### **Data Element Comment**

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

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

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

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	Error	When Chief Complaint Organ System has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e079	Warning	Chief Complaint Organ System 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.09 - Primary Symptom

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

# NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Constraints

#### **Pattern**

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

#### **Data Element Comment**

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

Code list is represented in ICD-10-CM Diagnosis Codes. Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-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 Warnii	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e080 <mark>Warni</mark> ı	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 Warni	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

# Constraints

#### **Pattern**

 $(R[0-6][0-9](\[0-9]{1,4})?|(R73\[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	1 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	5 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_e077	7 Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e081	1 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**

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

#### **Data Element Comment**

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

#### Constraints

#### **Pattern**

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

#### **Data Element Comment**

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-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	2 Error	When Provider's Secondary Impressions 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_e083	3 Warning	Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded.

eSituation.13 NEMSIS Version 3.5.0.190930

**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 Ef

fforts (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

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

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

"Non-Acute/Routine" added for use with patients with no clinical issues-such as refusal for a life 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".

NEMSIS Version 3.5.0.190930 eSituation.18

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

#### 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**

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_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 Warninç	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".

NEMSIS Version 3.5.0.190930 eSituation.20

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**

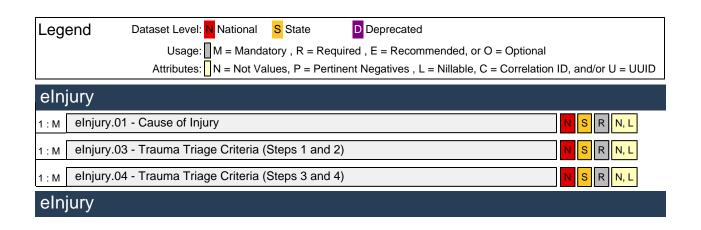
This supports and works in combination with eSituation.19 Justification for Transfer or Encounter to provide defined categories for an interfacility transfer or other medical transport. This documentation provides support for reimbursement and a means for regions and states to evaluate transfer patterns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

#### Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID	Level	Message
nemSch_e001	Error	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_e002	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_e088	3 Warning	Reason for Interfacility Transfer/Medical Transport should only be recorded when Type of Service Requested is " Transfer" or "Other Routine Medical Transport".

# elnjury



NEMSIS Version 3.5.0.190930 elnjury.01

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

#### 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 Error	When Cause of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e089 Warnin	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e090 Warnin	Cause of Injury should only be recorded when Possible Injury is "Yes".

NEMSIS Version 3.5.0.190930 elnjury.03

State

**National** 

#### elnjury.03 - Trauma Triage Criteria (Steps 1 and 2)

#### Definition

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

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

#### Associated Performance Measure Initiatives

Trauma

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### Data Element Comment

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

#### Version 3 Changes Implemented

l evel

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

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

Message

#### Associated Validation Rules

Rule ID

=		oodage
nemSch_e001 E	<u>Error</u>	When Trauma Triage Criteria (Steps 1 and 2) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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 Trauma Triage Criteria (Steps 1 and 2) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e091 V	<b>Narning</b>	Trauma Triage Criteria (Steps 1 and 2) should only be recorded when Possible Injury is "Yes".

NEMSIS Version 3.5.0.190930 elnjury.04

State

**National** 

#### elnjury.04 - Trauma Triage Criteria (Steps 3 and 4)

#### Definition

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

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

#### Associated Performance Measure Initiatives

Trauma

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### **Data Element Comment**

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

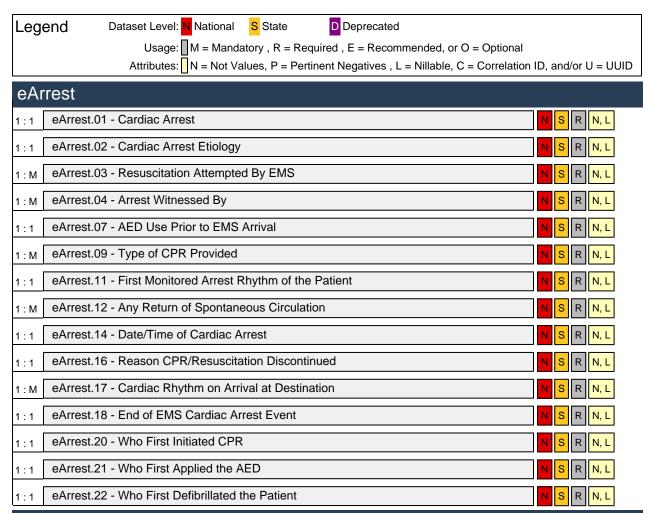
#### Version 3 Changes Implemented

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

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

Rule ID Level	Message
nemSch_e001 Error	When Trauma Triage Criteria (Steps 3 and 4) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, 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 (Steps 3 and 4) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e092 Warning	Trauma Triage Criteria (Steps 3 and 4) should only be recorded when Possible Injury is "Yes".

## **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 2019 Data Dictionary: https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf.

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".
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 Destinationis "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".

eArrest.02 NEMSIS Version 3.5.0.190930

**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.).

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

#### Associated Performance Measure Initiatives

Cardiac Arrest

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

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

#### Data Element Comment

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

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_e095	5 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	3 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	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_e106	8 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 3.5.0.190930

**National** 

#### eArrest.04 - Arrest Witnessed By

#### Definition

Indication of who the cardiac arrest was witnessed by.

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

#### Associated Performance Measure Initiatives

Cardiac Arrest

#### Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Descrip	tion
3004001	Not Witr	nessed

Witnessed by Family Member 3004003 3004005 Witnessed by Healthcare Provider

Witnessed by Bystander 3004007

#### **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_e100 Warn	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e101 Warn	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes".
nemSch_e102 Warn	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".
nemSch_e104	Warning	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	Warning	Who First Defibrillated the Patient should be recorded when AED Use Prior to EMS Arrival is "Yes, With Defibrillation".

eArrest.09 NEMSIS Version 3.5.0.190930

**National** 

## eArrest.09 - Type of CPR Provided

#### Definition

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

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

#### Associated Performance Measure Initiatives

Cardiac Arrest

#### Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description
3009001	Compressions-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
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	Error	When Type of CPR Provided has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
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_e105	<u>Warning</u>	Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes".
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".

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	1 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

#### 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	2 Error	When Any Return of Spontaneous Circulation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
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.

State

National

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

#### Definition

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

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

#### Associated Performance Measure Initiatives

Cardiac Arrest

#### **Attributes**

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

Data Type minInclusive maxInclusive

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

**Pattern** 

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

#### **Data Element Comment**

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_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".

eArrest.16 NEMSIS Version 3.5.0.190930

**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 <mark>Error</mark>	When Reason CPR/Resuscitation Discontinued has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e11	2 <mark>Warning</mark>	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes".

eArrest.17 NEMSIS Version 3.5.0.190930

**National** 

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

#### Definition

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

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

#### Associated Performance Measure Initiatives

Cardiac Arrest

#### Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	
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	
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901058	STEMI Septal Ischemia
9901059 9901061	Supraventricular Tachycardia Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901065	Ventricular Fibrillation
9901067	Ventricular Fibrillation Ventricular Tachycardia (With Pulse)
9901009	Ventricular Tachycardia (With Fulse)  Ventricular Tachycardia (Pulseless)
3301011	ventriodiai i deriyodidia (i diseless)

#### **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_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 3.5.0.190930

**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	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	8 Warning	End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes".

State

**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

Decembelies

7701003 - Not Recorded

#### Code List

Coae	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 2019 Data Dictionary: <a href="https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf">https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf</a>.

#### 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

Code	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 2019 Data Dictionary: https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf.

#### 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...".

who First Applied the AED should only be recorded when Cardiac Arrest is "Yes...".

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 2019 Data Dictionary: https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf.

#### 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

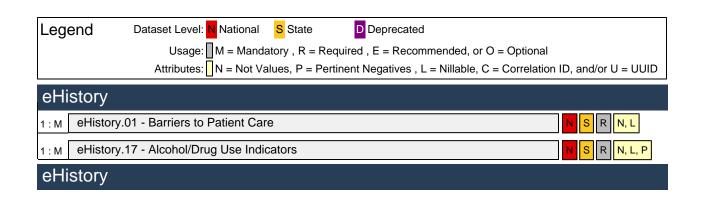
When Who First Defibrillated the Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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



NEMSIS Version 3.5.0.190930 eHistory.01

State

National

## eHistory.01 - Barriers to Patient Care

#### Definition

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

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

#### Attributes

#### NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description
3101001	Cultural, Custom, Religious
3101003	Developmentally Impaired
3101005	Hearing Impaired
3101007	Language
3101009	None Noted
3101011	Obesity
3101013	Physical Barrier (Unable to Access Patient)
3101015	Physically Impaired
3101017	Physically Restrained
3101019	Psychologically Impaired
3101021	Sight Impaired
3101023	Speech Impaired
3101025	Unattended or Unsupervised (including minors)
3101027	Unconscious
3101029	Uncooperative
3101031	State of Emotional Distress
3101033	Alcohol Use, Suspected
3101035	Drug Use, Suspected

#### Data Element Comment

Rule ID	Level	Message
nemSch_e00	1 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	2 Error	When Barriers to Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e124	4 Warning	When Barriers to Patient Care is "None Noted", no other value should be recorded.

NEMSIS Version 3.5.0.190930 eHistory.17

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

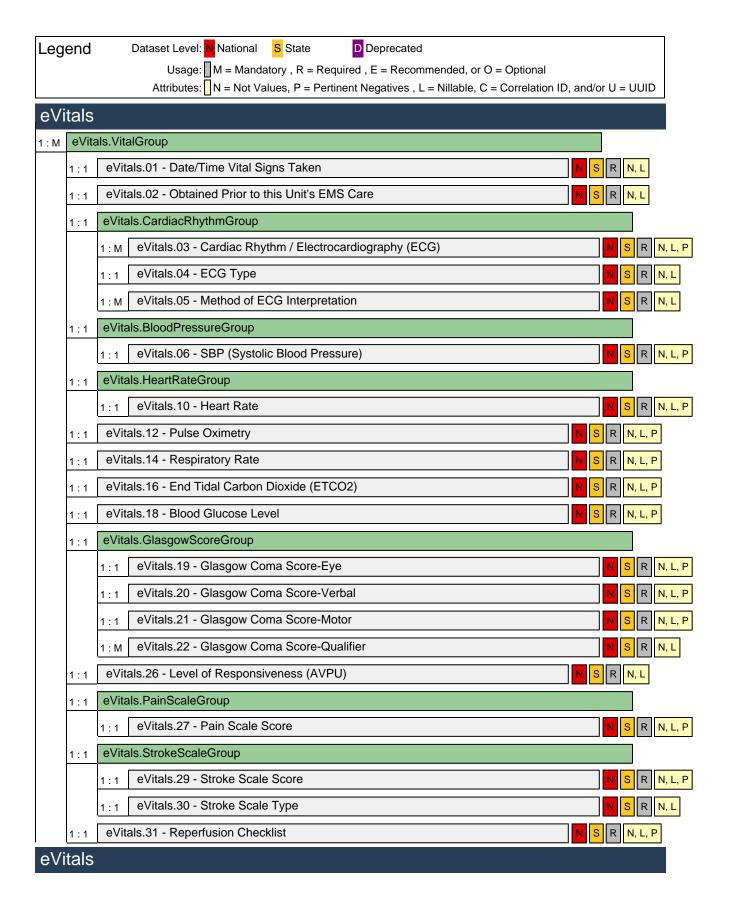
#### Code List

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

#### **Data Element Comment**

Rule ID	Level	Message
nemSch_e00	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_e00	2 Error	When Alcohol/Drug Use Indicators has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 <mark>Error</mark>	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).

## **eVitals**



State

National

# eVitals.01 - Date/Time Vital Signs Taken

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

Data Type minInclusive maxInclusive

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

#### **Pattern**

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

#### **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".

eVitals.02 NEMSIS Version 3.5.0.190930

**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

Description Code

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".

State

**National** 

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

# Definition

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

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

# Associated Performance Measure Initiatives

Cardiac Arrest STEMI

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
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)

Rule ID	Level	Message
nemSch_e00′	1 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 <mark>Error</mark>	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	8 <mark>Error</mark>	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_e087	7 <mark>Warning</mark>	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	3 <mark>Warning</mark>	Hospital Capability should be recorded when Type of Destinationis "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 Description	วท
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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

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

STEMI

# Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description

3305001 Computer Interpretation 3305003 Manual Interpretation

3305005 Transmission with No Interpretation 3305007 Transmission with Remote Interpretation

#### **Data Element Comment**

#### 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.

<sup>&</sup>quot;Transmission with no interpretation" may be used by EMS Agency Personnel that are not trained to interpret cardiac rhythms.

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 Error	When SBP (Systolic Blood Pressure) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	2 Error	When SBP (Systolic Blood Pressure) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 <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

**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 TypeminInclusivemaxInclusiveinteger0500

# 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 Error	When Heart Rate has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

National

# eVitals.12 - Pulse Oximetry

# Definition

# The patient's oxygen saturation.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

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

# Constraints

Data Type minInclusive maxInclusive

integer 0 100

# Data Element Comment

Rule ID	Level	Message
nemSch_e001	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_e002	2 Error	When Pulse Oximetry has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B 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).

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_e00	1 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_e00	2 Error	When Respiratory Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 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).

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.

eVitals.18 NEMSIS Version 3.5.0.190930

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

# Data Element Comment

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

Rule ID	Level	Message
nemSch_e00	1 Error	When Glasgow Coma Score-Eye is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	2 Error	When Glasgow Coma Score-Eye has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 Error	When Glasgow Coma Score-Eye has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

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

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	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_e00	1 <mark>Error</mark>	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_e00	2 <mark>Error</mark>	When Glasgow Coma Score-Motor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	8 Error	When Glasgow Coma Score-Motor has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

**National** 

# eVitals.22 - Glasgow Coma Score-Qualifier

#### Definition

Documentation of factors which make the GCS score more meaningful.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

# NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

#### Code List

•	_		
Code	Desc	:rın	tion

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_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

**National** 

# eVitals.26 - Level of Responsiveness (AVPU)

# Definition

The patient's highest level of responsiveness.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

# Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

# Code List

 Code
 Description

 3326001
 Alert

 3326003
 Verbal

 3326005
 Painful

 3326007
 Unresponsive

#### **Data Element Comment**

Definition changed to indicate highest level of responsiveness.

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	te Element Yes		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_e001	1 Error	When Pain Scale Score is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	2 Error	When Pain Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B Error	When Pain Scale Score has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

National

# eVitals.29 - Stroke Scale Score

# Definition

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

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

# Associated Performance Measure Initiatives

Stroke

# Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

**Pertinent Negatives (PN)** 

8801019 - Refused 8801023 - Unable to Complete

#### Code List

Code	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

#### **Data Element Comment**

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	8 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 Destinationis "Hospital" or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

eVitals.30 NEMSIS Version 3.5.0.190930

**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

# Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

# Code List

Code	Description
3330001	Cincinnati Prehospital Stroke Scale (CPSS)
3330004	Los Angeles Prehospital Stroke Screen (LAPSS)
3330005	Massachusetts Stroke Scale (MSS)
3330007	Miami Emergency Neurologic Deficit Exam (MEND)
3330009	NIH Stroke Scale (NIHSS)
3330011	Other Stroke Scale Type
3330013	FAST-ED
3330015	Boston Stroke Scale (BOSS)
3330017	Ontario Prehospital Stroke Scale (OPSS)
3330019	Melbourne Ambulance Stroke Screen (MASS)
3330021	Rapid Arterial oCclusion Evaluation (RACE)
3330023	Los Angeles Motor Score (LAMS)

# 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.

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

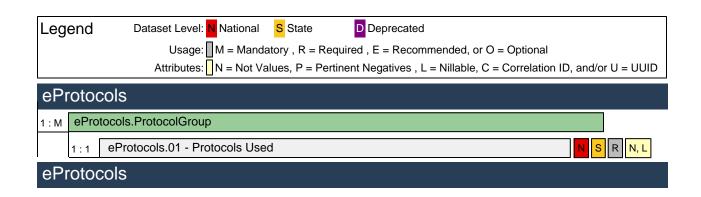
Code	Description
3331001	Definite Contraindications to Thrombolytic Use
3331003	No Contraindications to Thrombolytic Use
3331005	Possible Contraindications to Thrombolytic Use

# Data Element Comment

Name changed from Thrombolytic Screen

Rule ID	Level	Message
nemSch_e00	1 Error	When Reperfusion Checklist is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	2 Error	When Reperfusion Checklist has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	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).

# **eProtocols**



eProtocols.01 NEMSIS Version 3.5.0.190930

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

COUC L	31
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	
9914025	
9914027	
9914029	
9914031	71
9914033	1
9914035	
9914037	
9914041	
9914043	1 ,
9914045	
9914047	1
9914049	1 5 5
9914051	
9914053	
9914055	
9914057	
9914059	'
9914061	
9914063	
9914065	
9914067	
9914069	
9914071	
9914073	
9914075	
9914077	7. 7 1
9914079	1. 7
9914081	1. 1
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**

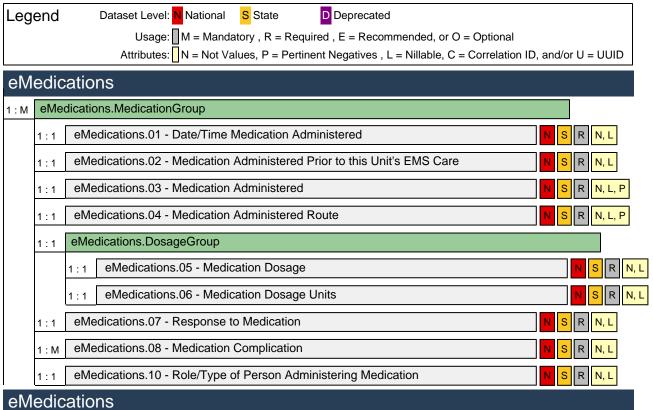
Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN.

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 Le	evel	Message
nemSch_e001 <mark>Er</mark>		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 Er		When Protocols Used has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# **eMedications**



State

National

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

#### Definition

The date/time medication administered to the patient.

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Constraints

Data Type minInclusive maxInclusive

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

#### **Pattern**

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

#### **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 a two-digit numeral that represents the minutes	
mm		
'+'	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 Validation Rules			
Rule ID L	.evel	Message	
nemSch_e001 <mark>E</mark>		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 <mark>E</mark>		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 <mark>W</mark>	-	Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".	
nemSch_e137 <mark>W</mark>		Date/Time Medication Administered should not be earlier than Unit Notified by Dispatch Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes".	
nemSch_e138 <mark>W</mark>	J	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 <mark>W</mark>	3	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.	
nemSch_e140 <mark>W</mark>	<u>Varning</u>	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.	
nemSch_e141 <mark>W</mark>	3	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 <mark>W</mark>		Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".	
nemSch_e147 <mark>W</mark>	_	Medication Dosage should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".	
nemSch_e148 <mark>W</mark>	0	Medication Dosage Units should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".	

State

**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".

Medication Administered should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".

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.

**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_e001	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 Error	When Medication Administered Route has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B Error	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	8 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 Type totalDigits fractionDigits

decimal 9

# **Data Element Comment**

### Associated Validation Rules

Rule ID	Level	Message
nemSch_e001		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).
nomSch 0002	Error	When Medication Decade has a Net Value (Net Applicable, Net Recorded, or Net Reporting), it

nemSch\_e002 Error When Medication Dosage has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

nemSch\_e147 Warning 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	Keep Vein Open (kvo)
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**

### Associated Validation Rules

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\_e002 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

# Code List

Code	Description
3708001	Altered Mental Status
3708003	Apnea
3708005	Bleeding
3708007	Bradycardia
3708009	Bradypnea
3708011	Diarrhea
3708013	Extravasation
3708015	Hypertension
3708017	Hyperthermia
3708019	Hypotension
3708021	Hypothermia
3708023	Нурохіа
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 Error	When Medication Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e149 Warning	When Medication Complication is "None", no other value should be recorded.

**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.

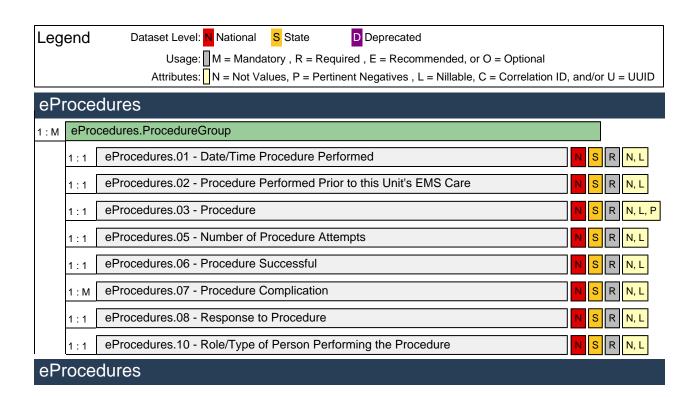
The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

### Version 3 Changes Implemented

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

Rule ID Le	evel	Message
nemSch_e001 Eri	rror	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 Err	rror	When Role/Type of Person Administering Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e150 Wa	<mark>/arning</mark>	Role/Type of Person Administering Medication should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

# **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+)? (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 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 TypemaxInclusiveminInclusiveinteger99999999999999100000

# **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 Leve	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 Warr	g Procedure should be recorded when a procedure is performed.

**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	Level	Message

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

### Code List

<b>.</b> .	<b>–</b>
Code	Description

3907001 Altered Mental Status

3907003 Apnea

3907005 Bleeding

3907007 Bradypnea

3907009 Diarrhea

3907011 Esophageal Intubation-immediately

3907013 Esophageal Intubation-other

3907015 Extravasation

3907017 Hypertension

3907019 Hyperthermia

3907021 Hypotension

3907023 Hypothermia

3907025 Hypoxia

3907027 Injury

3907031 Nausea

3907033 None

3907035 Other

3907039 Respiratory Distress

3907041 Tachycardia

3907043 Tachypnea

3907045 Vomiting

3907047 Bradycardia

3907049 Itching

3907051 Urticaria

### Data Element Comment

nemSch\_e158 Warning

### Associated Validation Rules

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

When Procedure Complication is "None", 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	01 <mark>Error</mark>	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.

**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

Cardiac Arrest Airway Pediatric **STEMI** Stroke Trauma

### Attributes

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

7701003 - Not Recorded 7701001 - Not Applicable

## Code List

Code

	•
9905001	Advanced Emergency Medical Technician (AEMT)
9905002	Emergency Medical Technician - Intermediate
9905003	Emergency Medical Responder (EMR)
9905005	Emergency Medical Technician (EMT)
9905007	Paramedic

Paramedic 9905007 9905019

Other Healthcare Professional Other Non-Healthcare Professional 9905021

9905025 Physician

9905027 Respiratory Therapist

Description

Student 9905029

Critical Care Paramedic 9905031 9905033 Community Paramedicine Nurse Practitioner 9905035

9905037 Physician Assistant

Licensed Practical Nurse (LPN) 9905039

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.

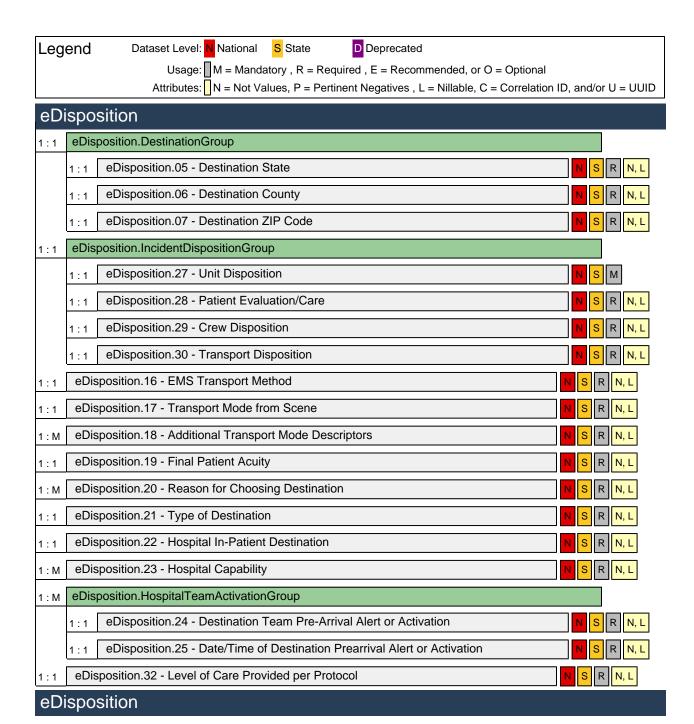
The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

### Version 3 Changes Implemented

Added to 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_e00	2 Error	When Role/Type of Person Performing the Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

# **eDisposition**



National

# eDisposition.05 - Destination State

### Definition

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

lational 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_e00	1 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_e00	2 Error	When Destination State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e16	0 <mark>Warning</mark>	Destination State should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e16	2 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 (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_06	Is Nillable	Yes
Usage	Required	Recurrence	1:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

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

7701001 - Not Applicable 7701003 -

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 Level	Message
nemSch_e001 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 Error	When Destination County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e161 Warnin	Destination County should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e162 Warnin	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	Element Yes		Yes
Version 2 Element	E20_07	Is Nillable	Yes
Usage	Required	Recurrence	1:1

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

### Attributes

# NOT Values (NV)

7701001 - Not Applicable 7701003 -

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 <mark>Error</mark>	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_e00	2 Error	When Destination ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e16	3 Warning	Destination ZIP Code should be recorded when Transport Disposition is "Transport by This EMS Unit".

**National** 

# eDisposition.27 - Unit Disposition

# Definition

The patient disposition for an EMS event identifying whether patient contact was made.

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

Description
Patient Contact Made
Cancelled on Scene
Cancelled Prior to Arrival at

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 Le	evel	Message
nemSch_e018 Wa	arning	Unit En Route Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e020 Wa	arning	Unit Arrived on Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e023 Wa	<mark>arning</mark>	Arrived at Patient Date/Time should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e025 Wa	<mark>arning</mark>	Unit Left Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e067 Wa	<mark>arning</mark>	Number of Patients at Scene should be "Multiple" or "Single" when Unit Disposition is "Patient Contact Made".
nemSch_e070 Wa	<mark>arning</mark>	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e071 Wa	<mark>arning</mark>	Incident State should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e072 Wa	<mark>arning</mark>	Incident ZIP Code should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e073 Wa	<mark>arning</mark>	Incident County should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e180 Wa	arning	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 I	ID Level	Message
nemS	ch_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).
nemS	ch_e002 Error	When Patient Evaluation/Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemS	ch_e057 <mark>Warning</mark>	Patient's Home County should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemS	ch_e059 <mark>Warning</mark>	Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemS	ch_e060 <mark>Warning</mark>	Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemS	ch_e061 <mark>Warning</mark>	Gender should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemS	ch_e062 <mark>Warning</mark>	Race should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemS	ch_e063 <mark>Warning</mark>	Age should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemS	ch_e064 Warning	Age Units should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care

Provided".

nemSch_e075 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".
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_e078 Warning	Chief Complaint Anatomic Location 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_e079 Warning	Chief Complaint Organ System 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".
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	Final Patient Acuity 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".

**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		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. A "Referral Agency" is intended for use with specialty referral programs (such as "Safe Baby Haven", mental health or addiction, or similar programs) where EMS provides an initial medical screening as part of the intake process for the various services or programs. 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	Warning	Unit Disposition should be "Patient Contact Made" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
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_e185	Warning	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

<u> </u>	_		
Code	1)666	riptior	١

Transport by This EMS Unit (This Crew Only) 4230001

Transport by This EMS Unit, with a Member of Another Crew 4230003

Transport by Another EMS Unit 4230005

4230007 Transport by Another EMS Unit, with a Member of This Crew

4230009 Patient Refused Transport

4230011 Non-Patient Transport (Not Otherwise Listed)

Unit...".

4230013 No Transport

### **Data Element Comment**

Grouped with Patient and Incident Dispostions. 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	Level	Message
nemSch_e001	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	Error	When Transport Disposition 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_e036	Warning	Destination Patient Transfer of Care Date/Time should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e066	Warning	Primary Method of Payment should be recorded when Transport Disposition is "Transport by This EMS Unit".
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_e160	Warning	Destination State should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e161	Warning	Destination County should be recorded when Transport Disposition is "Transport by This EMS

nemSch_e163 Warning	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".

National

# eDisposition.16 - EMS Transport Method

### Definition

The method of transport by this EMS Unit.

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

### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

# Attributes

# NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

### Code List

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

# **Data Element Comment**

4216017 Water-Boat

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

Code	Descr	iption
4047004	_	

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

### 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_e00 <sup>2</sup>	1 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	2 Error	When Additional Transport Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

**National** 

## eDisposition.19 - Final Patient Acuity

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Trauma

## Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

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

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

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

"Non-Acute/Routine" added for use with patients with no clinical issues-such as a refusal for a life 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 Final Patient Acuity is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	2 Error	When Final Patient Acuity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e168	Warning	Final Patient Acuity should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

**National** 

# eDisposition.20 - Reason for Choosing Destination

## Definition

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

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

## Associated Performance Measure Initiatives

Cardiac Arrest Pediatric STEMI Stroke Trauma

## Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

## Code List

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

## **Data Element Comment**

Required if the patient was transported.

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_e169	Warning 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**

Required if Patient Transported by EMS.

## Version 3 Changes Implemented

4221041 Skilled Nursing Facility

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 Destinationis "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".

nemSch\_e172 Warning Hospital Capability should be recorded when Type of Destinationis "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

nemSch\_e173 Warning Hospital Capability should be recorded when Type of Destinationis "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 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

#### 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: https://www.jointcommission.org/facts\_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	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	Error	When Hospital Capability has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e171	Warning	Hospital Capability should be recorded when Type of Destinationis "Hospital" or "Freestanding

Emergency Department" and Cardiac Arrest is "Yes...".

nemSch\_e172 Warning Hospital Capability should be recorded when Type of Destinationis "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

nemSch\_e173 Warning Hospital Capability should be recorded when Type of Destinationis "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

**National** 

## eDisposition.24 - Destination Team Pre-Arrival Alert or Activation

#### Definition

Indication that an alert (or activation) was called by EMS to the appropriate destination healthcare facility team. The alert (or activation) should occur prior to the EMS Unit arrival at the destination with the patient.

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

#### Associated Performance Measure Initiatives

Cardiac Arrest STEMI Stroke Trauma

#### Attributes

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

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

	_		
Code	Desc	rin	tion

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".

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**

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

#### **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
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 I	Level	Message
nemSch_e001	Error	When Date/Time of Destination Prearrival Alert or Activation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Date/Time of Destination Prearrival Alert or Activation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
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".
nemSch_e177 \	Warning	Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch 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.
nemSch_e179 \	<mark>Warning</mark>	Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time.

**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**

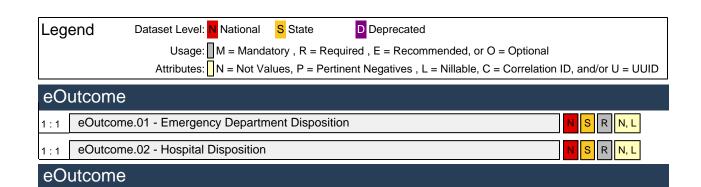
The level of care should be defined by the situation, medications, and procedures provided to the patient based on what is allowed in the local EMS protocols. This definition can vary between regions; what may be allowed for BLS providers in one region may be considered ALS care in another. This is not 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_e00	1 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	2 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	7 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**



NEMSIS Version 3.5.0.190930 eOutcome.01

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 770

7701003 - Not Recorded

#### Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of
	covered skills care
07	Left against medical advice or discontinued care
09	Admitted as an inpatient to this hospital.
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to a inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

#### **Data Element Comment**

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6).

https://www.cms.gov/Regulations-and-Guidance/Guidance/Transmittals/downloads/R1104CP.pdf Search for: "FL 17 – Patient Status"

Rule ID	Level	Message
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).
nemSch_e002	2 Error	When Emergency Department Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

NEMSIS Version 3.5.0.190930 eOutcome.02

State

**National** 

## eOutcome.02 - Hospital Disposition

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

#### **Attributes**

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

7701001 - Not Applicable

7701003 - Not Recorded

#### Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to a inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

#### **Data Element Comment**

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6).

https://www.cms.gov/transmittals/downloads/R1104CP.pdf Page 35-36

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

Contractor site, Knowledge Trek: <a href="http://www.ub04.net/downloads/Medicare">http://www.ub04.net/downloads/Medicare</a> Pub Ch 25.pdf Please reference the section "FL 17 - Patient Status" found on page 23-25 of 126.

#### Associated Validation Rules

Rule ID Level Message

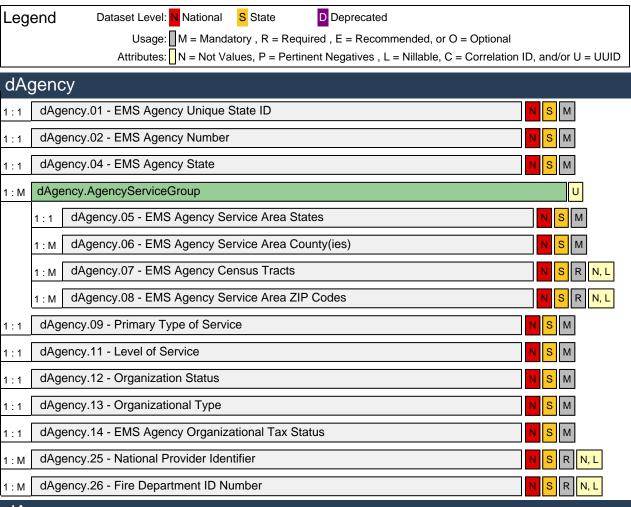
nemSch\_e001 Error When Hospital Disposition is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element),

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.

# dAgency



## dAgency

#### Associated 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

Associated Performance Measure Initiatives								
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.

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.

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	rsion 2 Element D01_03		No
Usage	Mandatory	Recurrence	1:1

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Constraints

## Pattern

[0-9]{2}

## **Data Element Comment**

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

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

Rule ID	Level	Message
nemSch_d0 <sup>2</sup>	10 Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d01	12 <mark>Warning</mark>	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_d0 <sup>2</sup>	13 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.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	tate Element Yes		No
Version 2 Element	D01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Constraints

#### Pattern

[0-9]{5}

## **Data Element Comment**

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

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

## Associated Validation Rules

Rule ID	Level	Message

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.

dAgency.07

State

National

## dAgency.07 - EMS Agency Census Tracts

## Definition

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

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

## Attributes

## **NOT Values (NV)**

7701001 - Not Applicable 77010

7701003 - Not Recorded

#### Constraints

#### **Pattern**

[0-9]{11}

## **Data Element Comment**

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

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

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

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

Rule ID	Level	Message
nemSch_d00	1 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_d00	2 Error	When EMS Agency Census Tracts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d00	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.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 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**

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_d001	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	Error	When EMS Agency Service Area ZIP Codes has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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	ersion 2 Element D01_05		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
9920019	Critical Care (Ground)

## Data Element Comment

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

State

**National** 

## dAgency.11 - Level of Service

Deceription

## 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

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

#### Code List

Coae	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

Associa	Associated Performance Measure Initiatives						
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).

State

**National** 

## dAgency.13 - Organizational Type

#### Definition

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

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

#### Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Code List

CodeDescription9912001Fire Department9912003Governmental, Non-Fire9912005Hospital

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

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".

State

**National** 

# dAgency.14 - EMS Agency Organizational Tax Status

## Definition

The EMS Agencies business/corporate organizational tax status.

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

## Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

## Code List

**Code** Description 1018001 For Profit

1018003 Other (e.g., Government)

1018005 Not For Profit

## **Data Element Comment**

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

State

**National** 

# dAgency.25 - National Provider Identifier

## Definition

The National Provider Identifier issued by CMS.

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

## Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

## Constraints

Data Type length string 10

## **Data Element Comment**

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

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

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 Error	When National Provider Identifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

**National** 

## dAgency.26 - Fire Department ID Number

## Definition

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

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

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data TypeminLengthmaxLengthstring120

## **Data Element Comment**

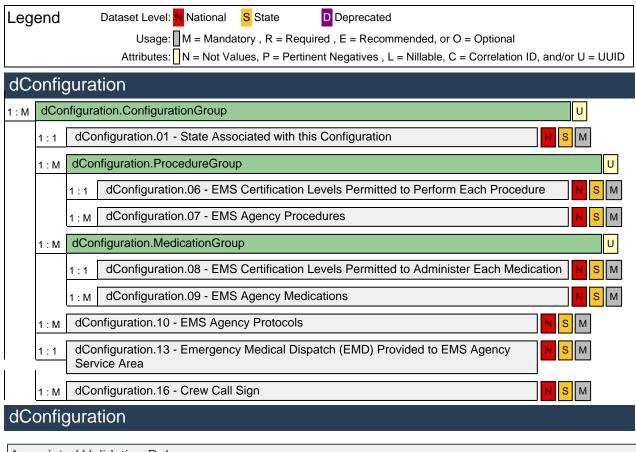
Fire Department ID was added to better integrate Fire Department EMS Agencies and linkage to other EMS related data systems such as NFIRS.

## Version 3 Changes Implemented

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

Rule ID	Level	Message
nemSch_d00	1 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_d00	2 Error	When Fire Department ID Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d00	8 <mark>Warning</mark>	Fire Department ID Number should be recorded when Organizational Type is "Fire Department".
nemSch_d00	9 Warning	Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".

# dConfiguration



Associated Validation Rules

Rule ID Level Message

nemSch\_d005 Error UUID must be universally unique.

dConfiguration.01

State

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_d01	0 <mark>Warning</mark>	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d01	1 Warning	State Associated with this Configuration should be unique (the same state should not be listed more than once).
nemSch_d01	2 <mark>Warning</mark>	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.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.

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_d012	<sup>2</sup> 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

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

#### 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: 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

**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

Associat	ted Performance I	Measure Initi	atives				
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**

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.

#### Associated Validation Rules

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

#### Constraints

Data TypeminLengthmaxLengthstring29

#### **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

#### Associated Validation Rules

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 Tra
---

#### Code List

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 General-Back Pain
9914051 9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914057	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control
9914085	Injury-Burns-Thermal
9914087	Injury-Cardiac Arrest
9914089	Injury-Crush Syndrome
9914091	Injury-Diving Emergencies
	-

9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099 9914101	Injury-Eye 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 Medical-Bradycardia
9914115 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 9914131	Medical-Influenza-Like Illness/ Upper Respiratory Infection Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/Reactive Airway
9914141	Medical-Seizure
9914143 9914145	Medical-ST-Elevation Myocardial Infarction (STEMI) Medical-Stroke/TIA
9914145	Medical-Stroke/TIA  Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159 9914161	OB/GYN-Gynecologic Emergencies OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173 9914175	Exposure-Smoke Inhalation General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected General-Refusal of Care
9914189 9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203 9914205	Injury-Conducted Electrical Weapon (e.g., Taser) Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219 9914221	Medical-Opioid Poisoning/Overdose  Medical-Respiratory Distress-Bronchiolitis
9914223	Medical-Respiratory Distress-Bronchiolius  Medical-Respiratory Distress-Croup
9914225	Medical-Stimulant Poisoning/Overdose
	3

#### 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.

**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).

**National** 

#### dConfiguration.16 - Crew Call Sign

#### Definition

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

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

#### Constraints

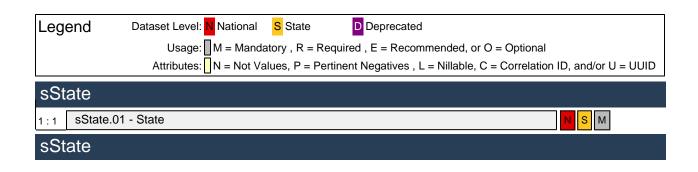
Data TypeminLengthmaxLengthstring150

#### **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).



NEMSIS Version 3.5.0.190930 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**

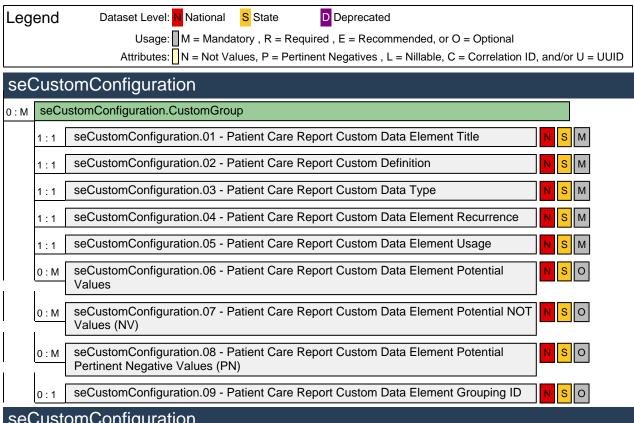
[0-9]{2}

#### **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



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 TypeminLengthmaxLengthstring0255

#### **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_s011 Error	Patient Care Report Custom Data Element Potential Values should be unique (the same value should not be listed more than once).
nemSch_s012 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

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

#### **Data Element Comment**

Used to populate eCustomConfiguration.07 Custom Data Element Potential NOT Values (NV).

Message

#### Associated Validation Rules

Rule ID Level

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

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

#### Associated Validation Rules

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

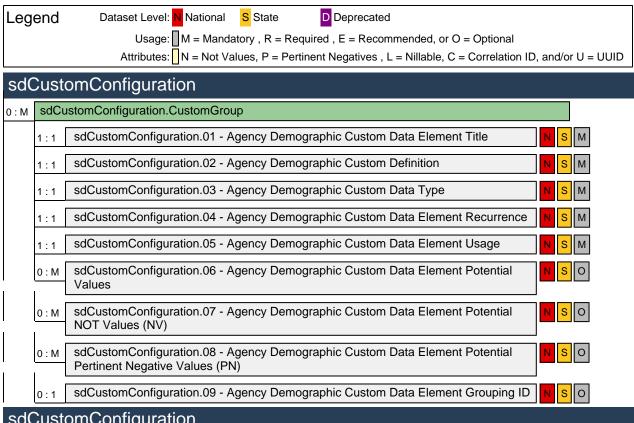
#### Constraints

Data TypeminLengthmaxLengthstring0255

#### **Data Element Comment**

Used to populate eCustomConfiguration.09 Custom Data Element Grouping ID.

# sdCustomConfiguration n



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 TypeminLengthmaxLengthstring0255

#### **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.

#### Associated Validation Rules

Rule ID	Level	Message
nemSch_s006	6 Error	Agency Demographic Custom Data Element Potential Values should be unique (the same value should not be listed more than once).
nemSch_s007	7 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

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 dCustomConfiguration.08 Custom Data Element Potential Pertinent Negative Values (PN).

#### Associated Validation Rules

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

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

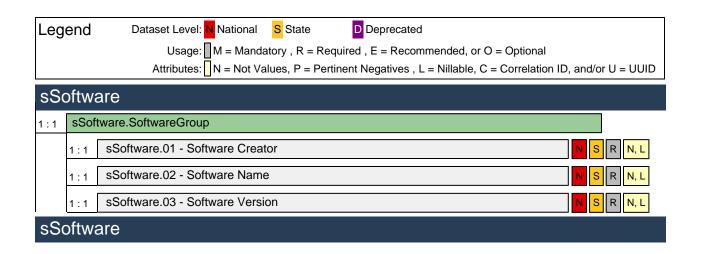
#### Constraints

Data TypeminLengthmaxLengthstring0255

#### **Data Element Comment**

Used to populate dCustomConfiguration.09 Custom Data Element Grouping ID.

## **sSoftware**



NEMSIS Version 3.5.0.190930 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_s00	1 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_s00	2 Error	When Software Creator has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

NEMSIS Version 3.5.0.190930 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 3.5.0.190930 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
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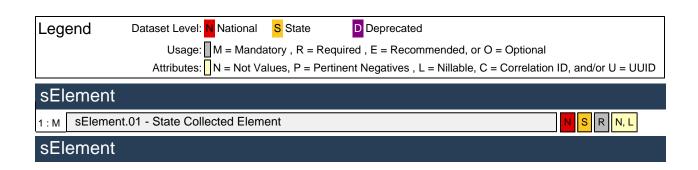
nemSch\_s001 Error When Software Version is empty, it should have a Not Value (Not Applicable, Not Recorded, or

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 3.5.0.190930 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

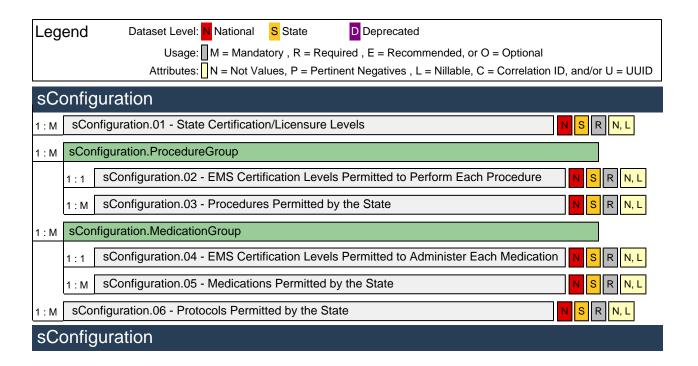
Data TypeminLengthmaxLengthstring1100

#### **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_s001	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_s002	2 Error	When State Collected Element has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s015	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_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)

#### **Data Element Comment**

9917031 Registered Nurse

Used to populate dConfiguration.06 EMS Certification LevIs Permitted to Perform Each Procedure.

Rule ID	Level	Message
nemSch_s00	1 <mark>Error</mark>	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	2 <mark>Error</mark>	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_s01	7 <mark>Warning</mark>	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s018	8 <mark>Warning</mark>	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	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_s019	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	onal Element Yes		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	2 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

#### Constraints

Data TypeminLengthmaxLengthstring29

#### **Data Element Comment**

Used to populate dConfiguration.09 EMS Agency Medications

Rule ID	Level	Message
nemSch_s00	1 <mark>Error</mark>	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	2 Error	When Medications Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s022	2 <mark>Warning</mark>	Medications Permitted by the State should be unique (the same medication should not be listed more than once for a particular level).
nemSch_s023	3 Error	Medications Permitted by the State should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_s024	4 Error	Medications Permitted by the State should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".
nemSch_s02	5 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

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 9914187 General-Neglect or Abuse Suspected 9914189 General-Refusal of Care 9914191 Injury-Mass/Multiple Casualties 9914193 Injury-Thoracic 9914195 Medical-Adrenal Insufficiency 9914197 Medical-Apparent Life Threatening Event (ALTE) 9914199 Medical-Tachycardia 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 9914219 Medical-Opioid Poisoning/Overdose 9914221 Medical-Respiratory Distress-Bronchiolitis

#### Data Element Comment

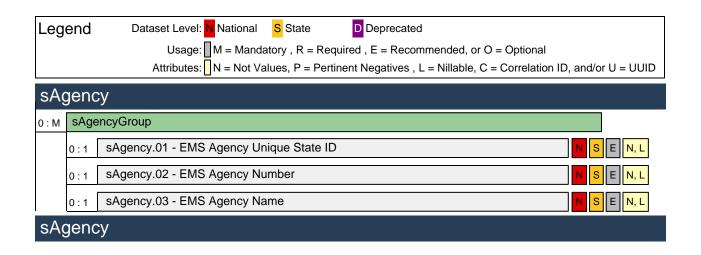
Used to populate dConfiguration.10 EMS Agency Protocols.

#### Version 3 Changes Implemented

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

Rule ID	Level	Message
nemSch_s00	1 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_s00	2 Error	When Protocols Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	6 Warning	Protocols Permitted by the State should be unique (the same protocol should not be listed more than once).

### sAgency



NEMSIS Version 3.5.0.190930 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

Aggagiatad	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_s00	1 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_s00	2 Error	When EMS Agency Unique State ID 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 3.5.0.190930 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_s001	Error	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_s002	2 Error	When EMS Agency Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s027	<sup>7</sup> Warning	EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

NEMSIS Version 3.5.0.190930 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:

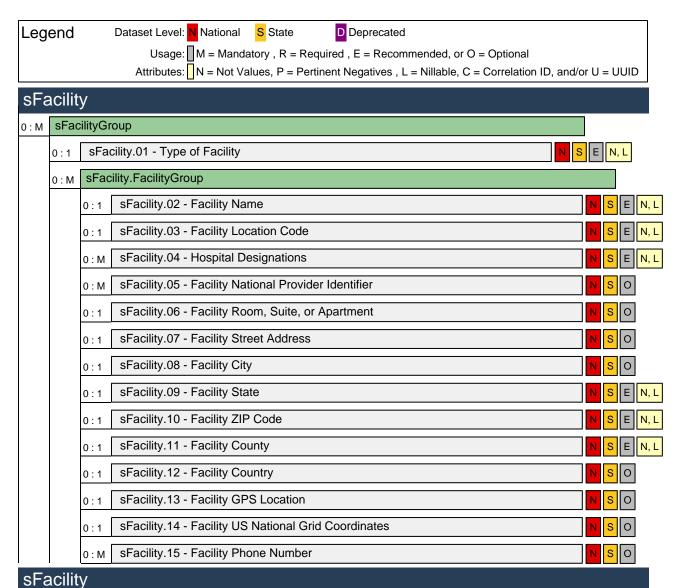
dAgency.03 EMS Agency Name

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_s00	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_s00	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

0000 210	•
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

#### **Data Element Comment**

Used to populate dFacility.02 Facility Name

#### Associated Validation Rules

Rule ID	Level	Message
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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

be empty.

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_s001	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_s002	Error	When Facility Location Code 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.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_s00	1 <mark>Error</mark>	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_s00	2 Error	When Hospital Designations has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	9 <mark>Warning</mark>	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 Type length string 10

#### **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	02 <mark>Error</mark>	When Facility State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	28 <mark>Warning</mark>	Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State should be a unique combination for each facility.
nemSch_s03	31 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 Warning	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]{8}

#### **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**

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

#### 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).

Used to populate dFacility.15 Facility Phone Number.

### Index

DEMDataSet	3
DEMDataSet Grouping	4
. •	
EMSDataSet	1
EMSDataSet Grouping	2
StateDataSet	5
StateDataSet Grouping	6
dAgency	219
dAgency Grouping	220
dAgency.01 - EMS Agency Unique State ID	7
dAgency.01 - EMS Agency Unique State ID	221
dAgency.02 - EMS Agency Number	8
dAgency.02 - EMS Agency Number	222
dAgency.04 - EMS Agency State	9
dAgency.04 - EMS Agency State	223
dAgency.05 - EMS Agency Service Area States	224
dAgency.06 - EMS Agency Service Area County(ies)	225
dAgency.07 - EMS Agency Census Tracts	226
dAgency.08 - EMS Agency Service Area ZIP Codes	227
dAgency.09 - Primary Type of Service	228
dAgency.11 - Level of Service	229
dAgency.12 - Organization Status	230
dAgency.13 - Organizational Type	231
dAgency.14 - EMS Agency Organizational Tax Status	232
dAgency.25 - National Provider Identifier	233
dAgency.26 - Fire Department ID Number	234
dConfiguration	235
dConfiguration Grouping	236
dConfiguration.01 - State Associated with this Configuration	237
dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure	238
dConfiguration.07 - EMS Agency Procedures	239
dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication	240
dConfiguration.09 - EMS Agency Medications	241
dConfiguration.10 - EMS Agency Protocols	242
dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service Area	245
dConfiguration.16 - Crew Call Sign	246
eArrest	101
eArrest Grouping	102
eArrest.01 - Cardiac Arrest	103
eArrest.02 - Cardiac Arrest Etiology	105
eArrest.03 - Resuscitation Attempted By EMS	106
eArrest.04 - Arrest Witnessed By	108
eArrest.07 - AED Use Prior to EMS Arrival	109

eArrest.09 - Type of CPR Provided	110
eArrest.11 - First Monitored Arrest Rhythm of the Patient	111
eArrest.12 - Any Return of Spontaneous Circulation	112
eArrest.14 - Date/Time of Cardiac Arrest	113
eArrest.16 - Reason CPR/Resuscitation Discontinued	115
eArrest.17 - Cardiac Rhythm on Arrival at Destination	116
eArrest.18 - End of EMS Cardiac Arrest Event	118
eArrest.20 - Who First Initiated CPR	119
eArrest.21 - Who First Applied the AED	121
eArrest.22 - Who First Defibrillated the Patient	123
eDispatch	34
eDispatch Grouping	35
eDispatch.01 - Dispatch Reason	36
eDispatch.02 - EMD Performed	38
eDisposition	186
eDisposition Grouping	187
eDisposition.05 - Destination State	188
eDisposition.06 - Destination County	189
eDisposition.07 - Destination ZIP Code	190
eDisposition.16 - EMS Transport Method	199
eDisposition.17 - Transport Mode from Scene	200
eDisposition.18 - Additional Transport Mode Descriptors	201
eDisposition.19 - Final Patient Acuity	202
eDisposition.20 - Reason for Choosing Destination	203
eDisposition.21 - Type of Destination	204
eDisposition.22 - Hospital In-Patient Destination	206
eDisposition.23 - Hospital Capability	207
eDisposition.24 - Destination Team Pre-Arrival Alert or Activation	209
eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation	210
eDisposition.27 - Unit Disposition	191
eDisposition.28 - Patient Evaluation/Care	193
eDisposition.29 - Crew Disposition	196
eDisposition.30 - Transport Disposition	197
eDisposition.32 - Level of Care Provided per Protocol	212
eHistory	125
eHistory Grouping	126
eHistory.01 - Barriers to Patient Care	127
eHistory.17 - Alcohol/Drug Use Indicators	128
elnjury	96
elnjury Grouping	97
elnjury.01 - Cause of Injury	98
elnjury.03 - Trauma Triage Criteria (Steps 1 and 2)	99
elnjury.04 - Trauma Triage Criteria (Steps 3 and 4)	100
eMedications	158
eMedications Grouping	159
·	

eMedications.01 - Date/Time Medication Administered eMedications.02 - Medication Administered Prior to this Unit's EMS Care eMedications.03 - Medication Administered eMedications.04 - Medication Administered Route eMedications.05 - Medication Dosage eMedications.06 - Medication Dosage Units eMedications.07 - Response to Medication eMedications.08 - Medication Complication eMedications.10 - Role/Type of Person Administering Medication	160 162 164 166 168 169 170 171
eOutcome	213
eOutcome Grouping eOutcome.01 - Emergency Department Disposition eOutcome.02 - Hospital Disposition	214 215 217
ePatient	59
ePatient Grouping ePatient.07 - Patient's Home County ePatient.08 - Patient's Home State ePatient.09 - Patient's Home ZIP Code ePatient.13 - Gender ePatient.14 - Race ePatient.15 - Age ePatient.16 - Age Units	60 61 62 63 64 65 66
ePayment	68
ePayment Grouping ePayment.01 - Primary Method of Payment ePayment.50 - CMS Service Level	69 70 71
eProcedures	174
eProcedures Grouping eProcedures.01 - Date/Time Procedure Performed eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care eProcedures.03 - Procedure eProcedures.05 - Number of Procedure Attempts eProcedures.06 - Procedure Successful eProcedures.07 - Procedure Complication eProcedures.08 - Response to Procedure eProcedures.10 - Role/Type of Person Performing the Procedure	175 176 178 179 180 181 182 183 184
eProtocols	153
eProtocols Grouping eProtocols.01 - Protocols Used	154 155
eRecord	10
eRecord Grouping eRecord.01 - Patient Care Report Number	11 12

eRecord.03 - Software Name	14
eRecord.04 - Software Version	15
eResponse	16
eResponse Grouping	17
eResponse.01 - EMS Agency Number	18
eResponse.03 - Incident Number	19
eResponse.04 - EMS Response Number	20
eResponse.05 - Type of Service Requested	21
eResponse.07 - Unit Transport and Equipment Capability	23
eResponse.08 - Type of Dispatch Delay	24
eResponse.09 - Type of Response Delay	25
eResponse.10 - Type of Scene Delay	26
eResponse.11 - Type of Transport Delay	27
eResponse.12 - Type of Turn-Around Delay	28
eResponse.13 - EMS Vehicle (Unit) Number	30
eResponse.14 - EMS Unit Call Sign	31
eResponse.23 - Response Mode to Scene	32
eResponse.24 - Additional Response Mode Descriptors	33
eScene	72
eScene Grouping	73
eScene.01 - First EMS Unit on Scene	74
eScene.06 - Number of Patients at Scene	7 <del>.</del> 75
eScene.07 - Mass Casualty Incident	76
eScene.08 - Triage Classification for MCI Patient	77
eScene.09 - Incident Location Type	78
eScene.18 - Incident State	79
eScene.19 - Incident ZIP Code	80
eScene.21 - Incident County	81
eSituation	82
eSituation Grouping	83
eSituation.01 - Date/Time of Symptom Onset	84
eSituation.02 - Possible Injury	86
eSituation.07 - Chief Complaint Anatomic Location	87
eSituation.08 - Chief Complaint Organ System	88
eSituation.09 - Primary Symptom	89
eSituation.10 - Other Associated Symptoms	90
eSituation.11 - Provider's Primary Impression	91
eSituation.12 - Provider's Secondary Impressions	92
eSituation.13 - Initial Patient Acuity	93
eSituation.18 - Date/Time Last Known Well	94
eSituation.20 - Reason for Interfacility Transfer/Medical Transport	95
eTimes	39
eTimes Grouping	40
eTimes.01 - PSAP Call Date/Time	41
eTimes.03 - Unit Notified by Dispatch Date/Time	43
eTimes.05 - Unit En Route Date/Time	45

eTimes.06 - Unit Arrived on Scene Date/Time	47
eTimes.07 - Arrived at Patient Date/Time	49
eTimes.09 - Unit Left Scene Date/Time	51
eTimes.11 - Patient Arrived at Destination Date/Time	53
eTimes.12 - Destination Patient Transfer of Care Date/Time	55
eTimes.13 - Unit Back in Service Date/Time	57
eVitals	129
eVitals Grouping	130
eVitals.01 - Date/Time Vital Signs Taken	131
eVitals.02 - Obtained Prior to this Unit's EMS Care	133
eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	134
eVitals.04 - ECG Type	136
eVitals.05 - Method of ECG Interpretation	137
eVitals.06 - SBP (Systolic Blood Pressure)	138
eVitals.10 - Heart Rate	139
eVitals.12 - Pulse Oximetry	140
eVitals.14 - Respiratory Rate	141
eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	142
eVitals.18 - Blood Glucose Level	143
eVitals.19 - Glasgow Coma Score-Eye	144
eVitals.20 - Glasgow Coma Score-Verbal	145
eVitals.21 - Glasgow Coma Score-Motor	146
eVitals.22 - Glasgow Coma Score-Qualifier	147
eVitals.26 - Level of Responsiveness (AVPU)	148
eVitals.27 - Pain Scale Score	149
eVitals.29 - Stroke Scale Score	150
eVitals.30 - Stroke Scale Type	151
eVitals.31 - Reperfusion Checklist	152
sAgency	290
sAgency Grouping	291
sAgency.01 - EMS Agency Unique State ID	292
sAgency.02 - EMS Agency Number	293
sAgency.03 - EMS Agency Name	294
sConfiguration	280
sConfiguration Grouping	281
sConfiguration.01 - State Certification/Licensure Levels	282
sConfiguration.02 - EMS Certification Levels Permitted to Perform Each Procedure	283
sConfiguration.03 - Procedures Permitted by the State	284
sConfiguration.04 - EMS Certification Levels Permitted to Administer Each Medication	285
sConfiguration.05 - Medications Permitted by the State	286
sConfiguration.06 - Protocols Permitted by the State	287
sElement	277
sElement Grouping	278
sElement.01 - State Collected Element	279
sFacility	295

sFacility Grouping	296
sFacility.01 - Type of Facility	297
sFacility.02 - Facility Name	298
sFacility.03 - Facility Location Code	299
sFacility.04 - Hospital Designations	300
sFacility.05 - Facility National Provider Identifier	301
sFacility.06 - Facility Room, Suite, or Apartment	302
sFacility.07 - Facility Street Address	303
sFacility.08 - Facility City	304
sFacility.09 - Facility State	305
sFacility.10 - Facility ZIP Code	306
sFacility.11 - Facility County	307
sFacility.12 - Facility Country	308
sFacility.13 - Facility GPS Location	309
sFacility.14 - Facility US National Grid Coordinates	310
sFacility.15 - Facility Phone Number	311
sSoftware	272
sSoftware Grouping	273
sSoftware.01 - Software Creator	274
sSoftware.02 - Software Name	275
sSoftware.03 - Software Version	276
sStates	247
sState Grouping	248
sState.01 - State	249
sdCustomConfiguration	261
•	
sdCustomConfiguration Grouping	262
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title	262 263
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition	262 263 264
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type	262 263 264 265
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence	262 263 264 265 266
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage	262 263 264 265 266 267
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values	262 263 264 265 266 267 268
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV)	262 263 264 265 266 267 268 269
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values	262 263 264 265 266 267 268
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values	262 263 264 265 266 267 268 269
sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID	262 263 264 265 266 267 268 269 270
sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID  seCustomConfiguration	262 263 264 265 266 267 268 269 270 271
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID  seCustomConfiguration seCustomConfiguration Grouping	262 263 264 265 266 267 268 269 270 271 250
sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID  seCustomConfiguration seCustomConfiguration Grouping seCustomConfiguration.01 - Patient Care Report Custom Data Element Title	262 263 264 265 266 267 268 269 270 271 250 251 252
sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID  seCustomConfiguration seCustomConfiguration Grouping seCustomConfiguration.01 - Patient Care Report Custom Data Element Title seCustomConfiguration.02 - Patient Care Report Custom Definition	262 263 264 265 266 267 268 269 270 271 250 251 252 253
sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID  seCustomConfiguration seCustomConfiguration Grouping seCustomConfiguration.01 - Patient Care Report Custom Data Element Title seCustomConfiguration.02 - Patient Care Report Custom Definition seCustomConfiguration.03 - Patient Care Report Custom Data Type	262 263 264 265 266 267 268 269 270 271 250 251 252 253 254
sdCustomConfiguration Grouping sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title sdCustomConfiguration.02 - Agency Demographic Custom Definition sdCustomConfiguration.03 - Agency Demographic Custom Data Type sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV) sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID  seCustomConfiguration seCustomConfiguration.01 - Patient Care Report Custom Data Element Title seCustomConfiguration.02 - Patient Care Report Custom Data Type seCustomConfiguration.03 - Patient Care Report Custom Data Type seCustomConfiguration.04 - Patient Care Report Custom Data Element Recurrence	262 263 264 265 266 267 268 269 270 271 250 251 252 253 254 255
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seCustomConfiguration.08 - Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN)	259
seCustomConfiguration.09 - Patient Care Report Custom Data Element Grouping ID	260