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NEMSIS

Data Dictionary

NHTSA v3.5.1

Build 251001 Critical Patch 2

EMS Data Standard

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NEMSIS Data Dictionary Version 3.5.1

Overview

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

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

Composition of the NEMSIS Version 3.5.1 Standard

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

Changes from v3.5.0 to v3.5.1

Overall Changes			
	New	Updated	Deprecated
Total	14	74	3
EMS Elements	9	63	2
DEM Elements	5	8	1
StateDataSet Elements	0	3	0

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

NEMSIS Version 3.5.1 Data Dictionary Content

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

Data Element Number (1)

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

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

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

Data Element Name (3)

- The name for the data element.

Data Element Definition (4)

- The definition for the data element.

Version 2 Number (7)

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

Data Structure Information

- Recurrence (12)
  - Indication that the data element can have more than one value.
    - Represented by two characters separated by a colon. The configuration includes:
      - **0:1** = element is not required and can occur only once
      - **0:M** = element is not required and can repeat multiple times
      - **1:1** = element is required and can occur only once
      - **1:M** = element is required and can repeat multiple times
- Usage (8)
  - Indication of when the data element is expected to be collected.
    - **Mandatory** = Must be completed and does not allow for NOT values
    - **Required** = Must be completed and allows NOT values
    - **Recommended** = Does not need to be completed and allows NOT values
    - **Optional** = Does not need to be completed and does not allow for NOT values
- NOT Value Characteristics (10)
  - Indication that the data element can have NOT values.
  - NOT Values are used (where permitted) to document that a data element was not applicable, not completed, or not collected by the state.
  - NOT Values are documented as an attribute of an element. It allows the documentation of NOT value when a real value is not documented.
  - *Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill:* https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSISv3_AttributeUsage.pdf
- NOT Values Accepted (14)
  - Indication of which of the following three NOT values is acceptable.
  - Not all data elements accept NOT values.
  - NOT Values have been condensed in Version 3.
    - **Not Applicable** = The data element is not applicable or pertinent.

- **Not Recorded** = The data element is considered applicable, but was left blank. The software should auto-populate it with "Not Recorded".
- **Not Reporting** = The data element is not collected by the EMS agency or state. This NOT value does not apply to National elements where Usage is specified as "Required".

- Pertinent Negative Values (PN) (9) (14)
  - A list of Pertinent Negative Values which can be associated with a data element.
  - Not all data elements accept Pertinent Negative Values.
  - Pertinent Negative Values are documented as "an attribute" of an element. It allows the documentation of pertinent negative value in addition to the documentation of a "real" value.
  - *Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill:* https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSISv3_AttributeUsage.pdf
  - Example of use:
    - Example #1 - Aspirin Administration:
      - If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".
- Is Nillable (11)
  - Indication that the element can accept a "blank" value.
  - If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

Associated Performance Measure Initiatives (13)

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

Attributes (14)

- An attribute provides extra information within an element.
  For information related to the first three attributes please see the NEMSIS document 'How to Utilize NEMSIS V3 "NOT values/pertinent negatives/nillable':
  https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSISv3_AttributeUsage.pdf
  The following are possible attributes:

  - PN (Pertinent Negative)
    - 8801001 - Contraindication Noted
    - 8801003 - Denied By Order
    - 8801005 - Exam Finding Not Present
    - 8801007 - Medication Allergy
    - 8801009 - Medication Already Taken
    - 8801013 - No Known Drug Allergy
    - 8801015 - None Reported
    - 8801017 - Not Performed by EMS
    - 8801019 - Refused
    - 8801021 - Unresponsive
    - 8801023 - Unable to Complete
    - 8801025 - Not Immunized

- 8801027 - Order Criteria Not Met
- 8801029 - Approximate
- 8801031 - Symptom Not Present

- NV (Not Value)
  - 7701001 - Not Applicable
  - 7701003 - Not Recorded
  - 7701005 - Not Reporting

- Nillable xsi:nil="true"

- Code Type
  - 9924001 = ICD-10
  - 9924003 = RxNorm
  - 9924005 = SNOMED-CT

- CorrelationID
  - Data Type = String
  - minLength = 0
  - maxLength = 255

- DistanceUnit
  - 9921001 - Kilometers
  - 9921003 - Miles

- EmailAddressType
  - 9904001 - Personal
  - 9904003 - Work

- nemsisCode
  - Data Type = String

- nemsisElement
  - Data Type = String

- nemsisValueDescription
  - Data Type = String

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

- ProcedureGroupCorrelationID
  - Date Type = CorrelationID

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

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

- UUID

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

- VelocityUnit
  - 9921001 - Kilometers per Hour
  - 9921003 - Miles per Hour

Code List (16)

- A list of values associated with the data element. Not all data elements have predefined value sets.
- Codes for each value:
  - The codes are based on a 7-digit number, in a 2-2-3 pattern (without dashes).
    - The first set of two numbers represent the data section
    - The second set of two numbers represent the element number
    - The last set is a 3-digit number for each value beginning at 001; The codes increase in increments of two (2).
  - Codes are typically sequential (by two) and alphabetical. Some ordering is provided in an effort to present information based on workflow.
  - Several values and codes reference external standards such as ICD-10, RxNorm, SNOMED, etc. NEMSIS will assist in providing a recommended list of EMS specific values and codes from these larger standards for most elements using these external standards.

Data Element Editorial Comments (17)

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

Version 3 Changes Implemented (18)

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

Element Deprecated(19)

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

Associated Validation Rules (20)

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

19 Deprecated

1 eExample.01

2 State National

3 eExample.01 - Example Element Name

4 Definition

The definition of the element.

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

13 Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

14 Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801001 - Contraindication Noted	8801003 - Denied By Order	8801005 - Exam Finding Not Present
8801007 - Medication Allergy	8801009 - Medication Already Taken	8801013 - No Known Drug Allergy
8801015 - None Reported	8801017 - Not Performed by EMS	8801019 - Refused
8801021 - Unresponsive	8801023 - Unable to Complete	8801025 - Not Immunized
8801027 - Order Criteria Not Met	8801029 - Approximate	8801031 - Symptom Not Present

Code Type

9924001 - ICD-10	9924003 - RxNorm	9924005 - SNOMED-CT

CorrelationID

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

nemsisCode

Data Type: String **whiteSpace:** preserve

nemsisElement

Data Type: String **whiteSpace:** preserve

customValueDescription

Data Type: String **whiteSpace:** preserve

StreetAddress2

Data Type: String **minLength:** 1 **maxLength:** 255

DistanceUnit

9929001 - Kilometers	9929003 - Miles

EmailAddressType

9904001 - Personal	9904003 - Work

PhoneNumberType

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

VelocityUnit

9921001 - Kilometers per Hour	9921003 - Miles per Hour

15 Constraints

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

Pattern

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

16 Code List

Code	Description
SSEE001	Value A
SSEE003	Value B
SSEE005	Value C
SSEE007	Value D

SSEE009 Value E
SSEE011 Value F

17 Data Element Comment

The data element comment.

18 Version 3 Changes Implemented

Any V3 change comments

19 Deprecated Comments

Any deprecation comments

20 Associated Validation Rules

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

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sFacility.07 - Facility Street Address 816
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sFacility.15 - Facility Phone Number 824

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

EMSDataSet

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

DEMDataSet

Legend		
	Dataset Level:	N National S State
	Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional
	Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
		I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

DEMDataSet

DEMDataSet

Associated Validation Rules

Rule ID	Level	Message
nemSch_d004	Error	The timestamp of the DemographicReport should not be in the future (the current time according to this system is (value)).

StateDataSet

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

StateDataSet

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

StateDataSet

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)).

State National

dAgency.01 - EMS Agency Unique State ID

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

State National

dAgency.02 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

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

dAgency.04 - EMS Agency State

Definition

The state/territory which assigned the EMS agency number.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern
[0-9]{2}

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_d010	Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d012	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.

eCustomConfiguration

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eCustomConfiguration

0 : M	eCustomConfiguration.CustomGroup	I
1 : 1	eCustomConfiguration.01 - Custom Data Element Title	M
1 : 1	eCustomConfiguration.02 - Custom Definition	M
1 : 1	eCustomConfiguration.03 - Custom Data Type	M
1 : 1	eCustomConfiguration.04 - Custom Data Element Recurrence	M
1 : 1	eCustomConfiguration.05 - Custom Data Element Usage	M
0 : M	eCustomConfiguration.06 - Custom Data Element Potential Values	O
0 : M	eCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)	O
0 : M	eCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)	O
0 : 1	eCustomConfiguration.09 - Custom Data Element Grouping ID	O

eCustomConfiguration

eCustomConfiguration.01 - Custom Data Element Title

Definition

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

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

Attributes

nemsisElement
Data Type: anySimpleType **whiteSpace:** preserve

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

eCustomConfiguration.02 - Custom Definition

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

eCustomConfiguration.03 - Custom Data Type

Definition

The data type of the custom element.

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

Code List

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

Data Element Comment

eCustomConfiguration.04 - Custom Data Element Recurrence

Definition

Indication if the data element will accept multiple values.

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

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

eCustomConfiguration.05 - Custom Data Element Usage

Definition

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

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

Code List

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.

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

eCustomConfiguration.06 - Custom Data Element Potential Values

Definition

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

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

Attributes

nemsisCode
Data Type: anySimpleType **whiteSpace:** preserve

customValueDescription
Data Type: anySimpleType **whiteSpace:** preserve

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

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

Definition

NOT Values (NV) associated with the custom element.

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

Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

Data Element Comment

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

Definition

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

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

Code List

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

eCustomConfiguration.09 - Custom Data Element Grouping ID

Definition

ID for custom element grouping.

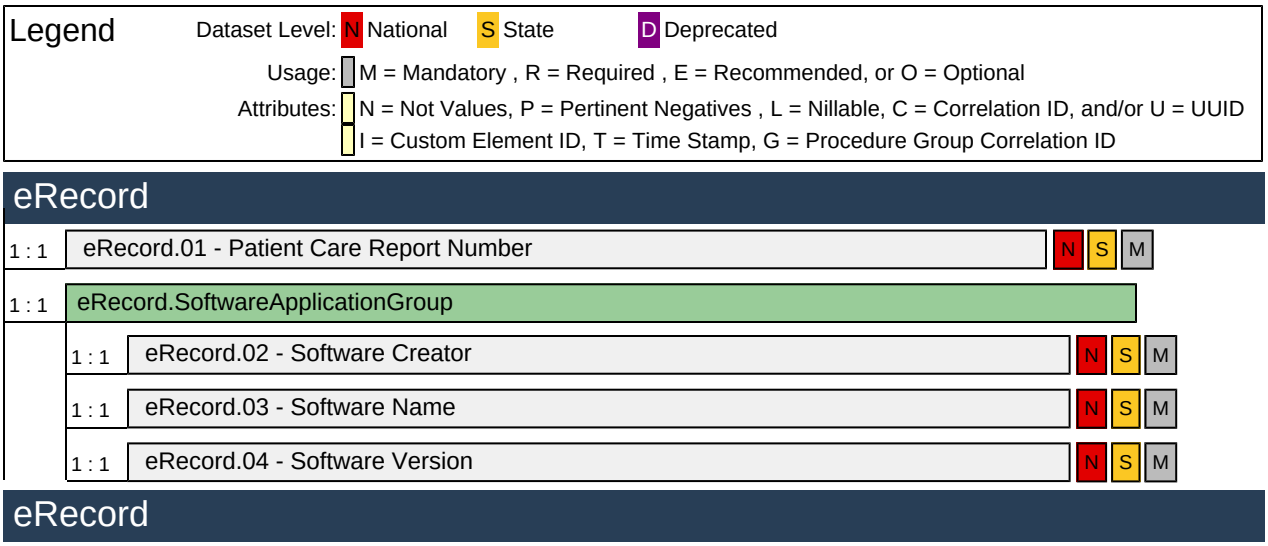
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

eRecord


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eRecord
1 : 1
eRecord.01 - Patient Care Report Number
N S M
1 : 1
eRecord.SoftwareApplicationGroup
1 : 1
eRecord.02 - Software Creator
N S M
1 : 1
eRecord.03 - Software Name
N S M
1 : 1
eRecord.04 - Software Version
N S M
eRecord

State National

eRecord.01 - Patient Care Report Number

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	3	50

Data Element Comment

State National

eRecord.02 - Software Creator

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

State National

eRecord.03 - Software Name

Definition

The name of the application used to create this record.

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

State National

eRecord.04 - Software Version

Definition

The version of the application used to create this record.

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

eResponse

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eResponse

1 : 1	eResponse.AgencyGroup						
1 : 1	eResponse.01 - EMS Agency Number	N	S	M			
0 : 1	eResponse.02 - EMS Agency Name	S	E	N, L			
1 : 1	eResponse.03 - Incident Number	N	S	R	N, L		
1 : 1	eResponse.04 - EMS Response Number	N	S	R	N, L		
1 : 1	eResponse.ServiceGroup						
1 : 1	eResponse.05 - Type of Service Requested	N	S	M			
0 : 1	eResponse.06 - Standby Purpose	O					
1 : 1	eResponse.07 - Unit Transport and Equipment Capability	N	S	M			
1 : M	eResponse.08 - Type of Dispatch Delay	N	S	R	N, L	C	
1 : M	eResponse.09 - Type of Response Delay	N	S	R	N, L	C	
1 : M	eResponse.10 - Type of Scene Delay	N	S	R	N, L	C	
1 : M	eResponse.11 - Type of Transport Delay	N	S	R	N, L	C	
1 : M	eResponse.12 - Type of Turn-Around Delay	N	S	R	N, L	C	
1 : 1	eResponse.13 - EMS Vehicle (Unit) Number	N	S	M			
1 : 1	eResponse.14 - EMS Unit Call Sign	N	S	M			
0 : 1	eResponse.16 - Vehicle Dispatch Location	O					
0 : 1	eResponse.17 - Vehicle Dispatch GPS Location	O					
0 : 1	eResponse.18 - Vehicle Dispatch Location US National Grid Coordinates	O					
0 : 1	eResponse.19 - Beginning Odometer Reading of Responding Vehicle	S	O				
0 : 1	eResponse.20 - On-Scene Odometer Reading of Responding Vehicle	S	O				
0 : 1	eResponse.21 - Patient Destination Odometer Reading of Responding Vehicle	S	O				
0 : 1	eResponse.22 - Ending Odometer Reading of Responding Vehicle	S	O				
1 : 1	eResponse.23 - Response Mode to Scene	N	S	M			
1 : M	eResponse.24 - Additional Response Mode Descriptors	N	S	R	N, L	C	

eResponse

State National

eResponse.01 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

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

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.

State

eResponse.02 - EMS Agency Name

Definition

The EMS agency's name.

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When EMS Agency Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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.

Associated Validation Rules

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.

State National

eResponse.04 - EMS Response Number

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	3	50

Data Element Comment

Associated Validation Rules

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

Code	Description
2205001	Emergency Response (Primary Response Area)
2205003	Emergency Response (Intercept)
2205009	Emergency Response (Mutual Aid)
2205005	Hospital-to-Hospital Transfer
2205015	Hospital to Non-Hospital Facility Transfer
2205017	Non-Hospital Facility to Non-Hospital Facility Transfer
2205019	Non-Hospital Facility to Hospital Transfer
2205007	Other Routine Medical Transport
2205011	Public Assistance
2205013	Standby
2205021	Support Services
2205023	Non-Patient Care Rescue/Extrication
2205025	Crew Transport Only
2205027	Transport of Organs or Body Parts
2205029	Mortuary Services
2205031	Mobile Integrated Health Care Encounter
2205033	Evaluation for Special Referral/Intake Programs
2205035	Administrative Operations

Data Element Comment

Values for "911 Response (Scene)", "Intercept", and "Mutual Aid" have been relabeled to start with "Emergency Response" to more easily identify these options. "Interfacility Transport" was relabeled to "Hospital-to-Hospital Transfer" to be more accurate; "Medical Transport" was relabeled to "Other Routine Medical 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

Associated Validation Rules

Rule ID	Level	Message
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_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.06 - Standby Purpose

Definition

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

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

Code List

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

Data Element Comment

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

State 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

Airway 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 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Associated Validation Rules

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

State National

eResponse.09 - Type of Response Delay

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
2209001	Crowd
2209003	Directions/Unable to Locate
2209005	Distance
2209007	Diversion (Different Incident)
2209009	HazMat
2209011	None/No Delay
2209013	Other
2209015	Rendezvous Transport Unavailable
2209017	Route Obstruction (e.g., Train)
2209019	Scene Safety (Not Secure for EMS)
2209021	Staff Delay
2209023	Traffic
2209025	Vehicle Crash Involving this Unit
2209027	Vehicle Failure of this Unit
2209029	Weather
2209031	Mechanical Issue-Unit, Equipment, etc.
2209033	Flight Planning
2209035	Out of Service Area Response

Data Element Comment

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

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

Associated Validation Rules

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_e009	Warning	When Type of Response Delay has a Not Value, no other value should be recorded.
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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Type of Scene Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Type of Scene Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Type of Scene Delay has a Not Value, no other value should be recorded.
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 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Type of Transport Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Type of Transport Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Type of Transport Delay has a Not Value, no other value should be recorded.
nemSch_e015	Warning	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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

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

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

Associated Validation Rules

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	Error	When Type of Turn-Around Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

nemSch_e009	Warning	When Type of Turn-Around Delay has a Not Value, no other value should be recorded.
nemSch_e016	Warning	When Type of Turn-Around Delay is "None/No Delay", no other value should be recorded.

eResponse.13 - EMS Vehicle (Unit) Number

Definition

The unique physical vehicle number of the responding unit.

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

Constraints

Data Type	minLength	maxLength
string	1	25

Data Element Comment

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

State National

eResponse.14 - EMS Unit Call Sign

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

eResponse.16 - Vehicle Dispatch Location

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

This element can be populated from dLocation.02 EMS Location Name or dFacility information. Depending on the information the EMS Agency or State is interested in knowing the following elements can be utilized:
1. dLocation.02 EMS Location Name
2. dFacility.02 Facility Name
3. dFacility.03 Facility Code

eResponse.17 - Vehicle Dispatch GPS Location

Definition

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

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

Associated Performance Measure Initiatives

Response

Constraints

Pattern

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

Data Element Comment

The pattern for GPS location is in the format "*latitude*,*longitude*" where:
- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

eResponse.18 - Vehicle Dispatch Location US National Grid Coordinates

Definition

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

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

Constraints

Pattern
([1-9][1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V]([0-9][0-9]){4,5}

Data Element Comment

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

eResponse.19 - Beginning Odometer Reading of Responding Vehicle

Definition

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

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

Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

Data Element Comment

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

State

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

Definition

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

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

Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

Data Element Comment

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

State

eResponse.21 - Patient Destination Odometer Reading of Responding Vehicle

Definition

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

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

Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

Data Element Comment

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

State

eResponse.22 - Ending Odometer Reading of Responding Vehicle

Definition

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

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

Constraints

Data Type	fractionDigits	totalDigits
decimal	2	8

Data Element Comment

eResponse.23 - Response Mode to Scene

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

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

State National

eResponse.24 - Additional Response Mode Descriptors

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Additional Response Mode Descriptors is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Additional Response Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Additional Response Mode Descriptors has a Not Value, no other value should be recorded.

eDispatch

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eDispatch

1 : 1	eDispatch.01 - Dispatch Reason	N	S	M		
1 : 1	eDispatch.02 - EMD Performed	N	S	R	N, L	
0 : 1	eDispatch.03 - EMD Determinant Code	O				
0 : 1	eDispatch.04 - Dispatch Center Name or ID	O				
0 : 1	eDispatch.05 - Dispatch Priority (Patient Acuity)	O				
0 : 1	eDispatch.06 - Unit Dispatched CAD Record ID	O				

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

Code	Description
2301001	Abdominal Pain/Problems
2301003	Allergic Reaction/Stings
2301005	Animal Bite
2301007	Assault
2301009	Automated Crash Notification
2301011	Back Pain (Non-Traumatic)
2301013	Breathing Problem
2301015	Burns/Explosion
2301017	Carbon Monoxide/Hazmat/Inhalation/CBRN
2301019	Cardiac Arrest/Death
2301021	Chest Pain (Non-Traumatic)
2301023	Choking
2301025	Convulsions/Seizure
2301027	Diabetic Problem
2301029	Electrocution/Lightning
2301031	Eye Problem/Injury
2301033	Falls
2301035	Fire
2301037	Headache
2301039	Healthcare Professional/Admission
2301041	Heart Problems/AICD
2301043	Heat/Cold Exposure
2301045	Hemorrhage/Laceration
2301047	Industrial Accident/Inaccessible Incident/Other Entrapments (Non-Vehicle)
2301049	Medical Alarm
2301051	No Other Appropriate Choice
2301053	Overdose/Poisoning/Ingestion
2301055	Pandemic/Epidemic/Outbreak
2301057	Pregnancy/Childbirth/Miscarriage
2301059	Psychiatric Problem/Abnormal Behavior/Suicide Attempt
2301061	Sick Person
2301063	Stab/Gunshot Wound/Penetrating Trauma
2301065	Standby
2301067	Stroke/CVA
2301069	Traffic/Transportation Incident
2301071	Transfer/Interfacility/Palliative Care
2301073	Traumatic Injury
2301075	Well Person Check
2301077	Unconscious/Fainting/Near-Fainting
2301079	Unknown Problem/Person Down
2301081	Drowning/Diving/SCUBA Accident
2301083	Airmedical Transport
2301085	Altered Mental Status
2301087	Intercept
2301089	Nausea

2301091 Vomiting
2301093 Hanging/Strangulation/Asphyxiation
2301095 Intoxicated Subject
2301097 EMS Requested by Law Enforcement
2301099 Active Shooter

Data Element Comment

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

State National

eDispatch.02 - EMD Performed

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When EMD Performed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When EMD Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eDispatch.03 - EMD Determinant Code

Definition

The EMD determinant code reported by dispatch, consisting of the card number, dispatch level, and dispatch mode.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	10

Data Element Comment

eDispatch.04 - Dispatch Center Name or ID

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

Version 3 Changes Implemented

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

eDispatch.05 - Dispatch Priority (Patient Acuity)

Definition

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

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

Code List

Code	Description
2305001	Critical
2305003	Emergent
2305005	Lower Acuity
2305007	Non-Acute [e.g., Scheduled Transfer or Standby]

Data Element Comment

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

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

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

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

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

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

eDispatch.06 - Unit Dispatched CAD Record ID

Definition

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

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

Constraints

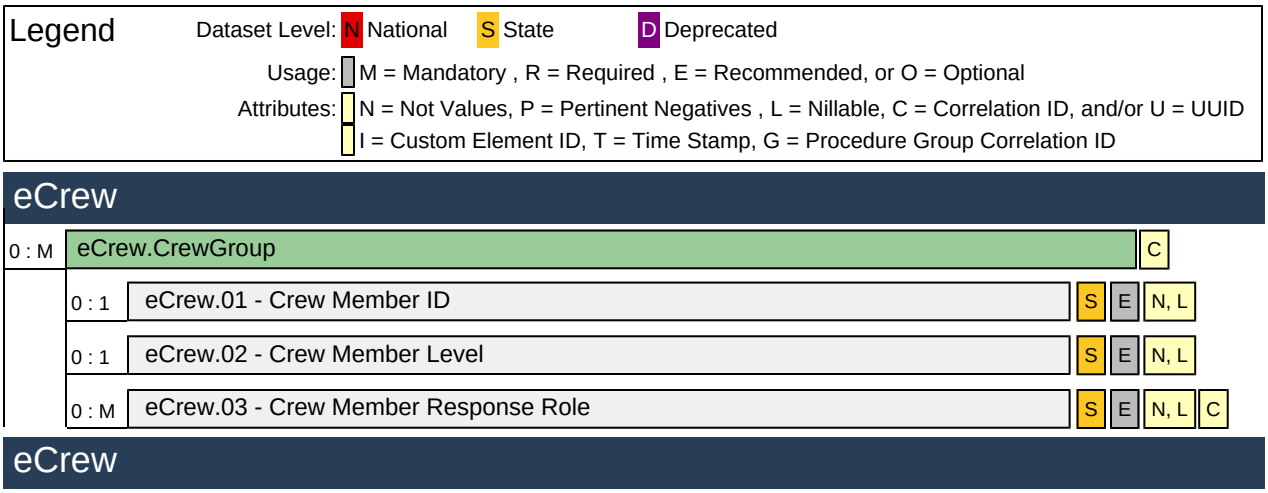
Data Type	minLength	maxLength
string	3	50

Data Element Comment

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

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

eCrew


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eCrew
0 : M
eCrew.CrewGroup
C
0 : 1
eCrew.01 - Crew Member ID
S
E
N, L
0 : 1
eCrew.02 - Crew Member Level
S
E
N, L
0 : M
eCrew.03 - Crew Member Response Role
S
E
N, L
C
eCrew

State

eCrew.01 - Crew Member ID

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Crew Member ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Crew Member ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eCrew.02 - Crew Member Level

Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E04_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Crew Member Level is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Crew Member Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eCrew.03 - Crew Member Response Role

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Crew Member Response Role is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Crew Member Response Role has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Crew Member Response Role has a Not Value, no other value should be recorded.

eTimes

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eTimes

1 : 1	eTimes.01 - PSAP Call Date/Time	N	S	R	N, L	
0 : 1	eTimes.02 - Dispatch Notified Date/Time	O				
1 : 1	eTimes.03 - Unit Notified by Dispatch Date/Time	N	S	M		
0 : 1	eTimes.04 - Dispatch Acknowledged Date/Time	O				
1 : 1	eTimes.05 - Unit En Route Date/Time	N	S	R	N, L	
1 : 1	eTimes.06 - Unit Arrived on Scene Date/Time	N	S	R	N, L	
1 : 1	eTimes.07 - Arrived at Patient Date/Time	N	S	R	N, L	
0 : 1	eTimes.08 - Transfer of EMS Patient Care Date/Time	S	E	N, L		
1 : 1	eTimes.09 - Unit Left Scene Date/Time	N	S	R	N, L	
0 : 1	eTimes.10 - Arrival at Destination Landing Area Date/Time	O				
1 : 1	eTimes.11 - Patient Arrived at Destination Date/Time	N	S	R	N, L	
1 : 1	eTimes.12 - Destination Patient Transfer of Care Date/Time	N	S	R	N, L	
1 : 1	eTimes.13 - Unit Back in Service Date/Time	N	S	M		
0 : 1	eTimes.14 - Unit Canceled Date/Time	S	O			
0 : 1	eTimes.15 - Unit Back at Home Location Date/Time	O				
0 : 1	eTimes.16 - EMS Call Completed Date/Time	O				
0 : 1	eTimes.17 - Unit Arrived at Staging Area Date/Time	O				

eTimes

eTimes.01 - PSAP Call Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When PSAP Call Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element),

		or it should be omitted (if the element is optional).
nemSch_e002	Error	When PSAP Call Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e017	Warning	Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time.

eTimes.02 - Dispatch Notified Date/Time

Definition

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

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

Constraints

Data Type
dateTime

minInclusive
1950-01-01T00:00:00-00:00

maxInclusive
2050-01-01T00:00:00-00:00

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

Data Element Comment

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

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

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

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

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

eTimes.03 - Unit Notified by Dispatch Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e017	Warning	Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time.
nemSch_e019	Warning	Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e021	Warning	Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e024	Warning	Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e026	Warning	Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

nemSch_e031	Warning	Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e037	Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e046	Warning	Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e126	Warning	Date/Time Vital Signs Taken should not be earlier than Unit Notified by Dispatch Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes".
nemSch_e137	Warning	Date/Time Medication Administered should not be earlier than Unit Notified by Dispatch Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e152	Warning	Date/Time Procedure Performed should not be earlier than Unit Notified by Dispatch Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
nemSch_e177	Warning	Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch Date/Time.

eTimes.04 - Dispatch Acknowledged Date/Time

Definition

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

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

eTimes.05 - Unit En Route Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
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	Error	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}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
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.

eTimes.07 - Arrived at Patient Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
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".

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Transfer of EMS Patient Care Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Transfer of EMS Patient Care Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Unit Left Scene Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

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

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

Definition

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

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eTimes.11 - Patient Arrived at Destination Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient Arrived at Destination Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

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

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
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.

eTimes.13 - Unit Back in Service Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Response

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
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.

eTimes.14 - Unit Canceled Date/Time

Definition

The date/time the unit was canceled.

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

Associated Performance Measure Initiatives

Response

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

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

Definition

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

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

Associated Performance Measure Initiatives

Response

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eTimes.16 - EMS Call Completed Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Response

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

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

Definition

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

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

Associated Performance Measure Initiatives

Response Trauma

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

ePatient

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

ePatient

0 : 1	ePatient.01 - EMS Patient ID				O	
0 : 1	ePatient.PatientNameGroup					
0 : 1	ePatient.02 - Last Name			S	E	N, L, P
0 : 1	ePatient.03 - First Name			S	E	N, L, P
0 : 1	ePatient.04 - Middle Initial/Name				O	
0 : 1	ePatient.23 - Name Suffix				O	
0 : 1	ePatient.05 - Patient's Home Address			S	O	L, P
0 : 1	ePatient.06 - Patient's Home City			S	O	L, P
1 : 1	ePatient.07 - Patient's Home County		N	S	R	N, L
1 : 1	ePatient.08 - Patient's Home State		N	S	R	N, L
1 : 1	ePatient.09 - Patient's Home ZIP Code		N	S	R	N, L
0 : 1	ePatient.10 - Patient's Country of Residence			S	O	
0 : 1	ePatient.11 - Patient Home Census Tract				O	
0 : 1	ePatient.12 - Social Security Number				O	L, P
0 : 1	~~ePatient.13~~ - ~~Gender~~ (DEPRECATED)	D	N	S	R	N, L
1 : M	ePatient.14 - Race		N	S	R	N, L, P C
1 : 1	ePatient.AgeGroup					
1 : 1	ePatient.15 - Age		N	S	R	N, L, P
1 : 1	ePatient.16 - Age Units		N	S	R	N, L
0 : 1	ePatient.17 - Date of Birth			S	E	N, L, P
0 : M	ePatient.18 - Patient's Phone Number				O	L, P C
0 : M	ePatient.19 - Patient's Email Address				O	C
0 : 1	ePatient.20 - State Issuing Driver's License				O	
0 : 1	ePatient.21 - Driver's License Number				O	
0 : 1	ePatient.22 - Alternate Home Residence				E	N, L
0 : M	ePatient.24 - Patient's Preferred Language(s)				O	C
1 : 1	ePatient.25 - Sex		N	S	R	N, L, P

ePatient

ePatient.01 - EMS Patient ID

Definition

The unique ID for the patient within the Agency.

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

ePatient.02 - Last Name

Definition

The patient's last (family) name.

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

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Last Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Last Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Last Name has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

ePatient.03 - First Name

Definition

The patient's first (given) name.

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

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When First Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When First Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When First Name has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

ePatient.04 - Middle Initial/Name

Definition

The patient's middle name, if any.

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePatient.23 - Name Suffix

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

State

ePatient.05 - Patient's Home Address

Definition

Patient's address of residence.

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

Attributes

Pertinent Negatives (PN)
8801023 - Unable to Complete

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient's Home Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e008	Error	When Patient's Home Address has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

ePatient.06 - Patient's Home City

Definition

The patient's primary city or township of residence.

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

Attributes

Pertinent Negatives (PN)
8801023 - Unable to Complete

Data Element Comment

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient's Home City is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e008	Error	When Patient's Home City has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State National

ePatient.07 - Patient's Home County

Definition

The patient's home county or parish of residence.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient's Home County is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Patient's Home County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e057	Warning	Patient's Home County should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e058	Warning	Patient's Home County should belong within the Patient's Home State.

State National

ePatient.08 - Patient's Home State

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{2}

Data Element Comment

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

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

Associated Validation Rules

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

State National

ePatient.09 - Patient's Home ZIP Code

Definition

The patient's ZIP code of residence.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	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.10 - Patient's Country of Residence

Definition

The country of residence of the patient.

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

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

ePatient.11 - Patient Home Census Tract

Definition

The census tract in which the patient lives.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern
[0-9]{11}

Data Element Comment

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

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

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

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

ePatient.12 - Social Security Number

Definition

The patient's social security number.

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

Attributes

Pertinent Negatives (PN)
8801023 - Unable to Complete

Constraints

Pattern
[0-9]{9}

Data Element Comment

Associated Validation Rules

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

Deprecated

~~State~~ ~~National~~

~~ePatient.13~~ - ~~Gender~~ (DEPRECATED)

Definition

~~The patient's gender.~~ (DEPRECATED)

National Element	~~Yes~~	Pertinent Negatives (PN)	~~No~~
State Element	~~Yes~~	NOT Values	~~Yes~~
Version 2 Element	DEPRECATED	Is Nillable	~~Yes~~
Usage	~~Required~~	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~~

Code List

Code	Description
~~9906001~~	~~Female~~ (DEPRECATED)
~~9906003~~	~~Male~~ (DEPRECATED)
~~9906007~~	~~Female-to-Male, Transgender Male~~ (DEPRECATED)
~~9906009~~	~~Male-to-Female, Transgender Female~~ (DEPRECATED)
~~9906011~~	~~Other, neither exclusively male or female~~ (DEPRECATED)
~~9906005~~	~~Unknown (Unable to Determine)~~ (DEPRECATED)

Data Element Comment

Deprecated Comment

The NEMSIS Program is funded by the National Highway Traffic Safety Administration and this element was modified to comply with President Trump's Executive Orders.

Associated Validation Rules

Rule ID	Level	Message
~~nemSch_e001~~	~~Error~~	~~When Gender (DEPRECATED) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if 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 Gender (DEPRECATED) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.~~

State National

ePatient.14 - Race

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_12	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

Pertinent Negatives (PN)
8801019 - Refused 8801021 - Unresponsive 8801023 - Unable to Complete

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
2514001	American Indian or Alaska Native
2514003	Asian
2514005	Black or African American
2514007	Hispanic or Latino
2514009	Native Hawaiian or Other Pacific Islander
2514011	White
2514013	Middle Eastern or North African

Data Element Comment

OMB requirements are provided at: https://www.federalregister.gov/d/2024-06469. Using single multiple choice question methodology to improve the completion of ethnicity information.

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

Associated Validation Rules

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

State National

ePatient.15 - Age

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Pertinent Negatives (PN)

8801029 - Approximate

Constraints

Data Type	minInclusive	maxInclusive
integer	1	120

Data Element Comment

Associated Validation Rules

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.
nemSch_e190	Error	When Age 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).

State National

ePatient.16 - Age Units

Definition

The unit used to define the patient's age.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When Age Units has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e064	Warning	Age Units 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.17 - Date of Birth

Definition

The patient's date of birth.

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

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
date	1890-01-01	2050-01-01

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date of Birth is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Date of Birth has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Date of Birth has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

ePatient.18 - Patient's Phone Number

Definition

The patient's phone number.

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

Attributes

Pertinent Negatives (PN)
8801023 - Unable to Complete

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

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

Constraints

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient's Phone Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e008	Error	When Patient's Phone Number has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e010	Warning	When Patient's Phone Number has a Pertinent Negative, no other value should be recorded.

ePatient.19 - Patient's Email Address

Definition

The email address of the patient.

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

EmailAddressType
9904001 - Personal 9904003 - Work

Constraints

Data Type	minLength	maxLength
string	3	100

Pattern
.+@.+

Data Element Comment

Added to improve follow-up and billing communication.

ePatient.20 - State Issuing Driver's License

Definition

The state that issued the drivers license.

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

Stored as the ANSI State Code.

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

ePatient.21 - Driver's License Number

Definition

The patient's drivers license number.

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

Constraints

Data Type	minLength	maxLength
string	1	30

Data Element Comment

ePatient.22 - Alternate Home Residence

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Code List

Code	Description
2522001	Homeless
2522003	Migrant Worker
2522005	Foreign Visitor

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Alternate Home Residence is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Alternate Home Residence has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

ePatient.24 - Patient's Preferred Language(s)

Definition

The patient's preferred language(s).

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

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

Data Element Comment

State National

ePatient.25 - Sex

Definition

The patient's sex.

National Element	Yes	Pertinent Negatives (PN)	Yes
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 7701005 - Not Reporting

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Code List

Code	Description
9919001	Female
9919003	Male
9919005	Unknown

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Sex is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if 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 Sex has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Sex has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e193	Warning	Sex should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

ePayment

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

ePayment

1 : 1	ePayment.01 - Primary Method of Payment	N	S	R	N, L	
0 : 1	ePayment.CertificateGroup					
0 : 1	ePayment.02 - Physician Certification Statement	O				
0 : 1	ePayment.03 - Date Physician Certification Statement Signed	O				
0 : M	ePayment.04 - Reason for Physician Certification Statement	O	C			
0 : 1	ePayment.05 - Healthcare Provider Type Signing Physician Certification Statement	O				
0 : 1	ePayment.06 - Last Name of Individual Signing Physician Certification Statement	O				
0 : 1	ePayment.07 - First Name of Individual Signing Physician Certification Statement	O				
0 : 1	ePayment.08 - Patient Resides in Service Area	O				
0 : M	ePayment.InsuranceGroup	C				
0 : 1	ePayment.09 - Insurance Company ID	O				
0 : 1	ePayment.10 - Insurance Company Name	O				
0 : 1	ePayment.11 - Insurance Company Billing Priority	O				
0 : 1	ePayment.12 - Insurance Company Address	O				
0 : 1	ePayment.13 - Insurance Company City	O				
0 : 1	ePayment.14 - Insurance Company State	O				
0 : 1	ePayment.15 - Insurance Company ZIP Code	O				
0 : 1	ePayment.16 - Insurance Company Country	O				
0 : 1	ePayment.17 - Insurance Group ID	O				
0 : 1	ePayment.18 - Insurance Policy ID Number	O				
0 : 1	ePayment.19 - Last Name of the Insured	O				
0 : 1	ePayment.20 - First Name of the Insured	O				
0 : 1	ePayment.21 - Middle Initial/Name of the Insured	O				
0 : 1	ePayment.22 - Relationship to the Insured	O				
0 : 1	ePayment.58 - Insurance Group Name	O				
0 : M	ePayment.59 - Insurance Company Phone Number	O	C			
0 : 1	ePayment.60 - Date of Birth of the Insured	O				
0 : 1	ePayment.ClosestRelativeGroup					
0 : 1	ePayment.23 - Closest Relative/Guardian Last Name	O				
0 : 1	ePayment.24 - Closest Relative/ Guardian First Name	O				
0 : 1	ePayment.25 - Closest Relative/ Guardian Middle Initial/Name	O				

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

ePayment

State National

ePayment.01 - Primary Method of Payment

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Primary Method of Payment is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Primary Method of Payment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

ePayment.02 - Physician Certification Statement

Definition

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

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

Code List

Code	Description
9922001	No
9922003	Unknown
9922005	Yes

Data Element Comment

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

A PCS is required for the following non-emergency transport:
1) Non-Emergency Repetitive Scheduled
2) Non Emergency Non-Repetitive-Scheduled
3) Non Emergency Services - Non Scheduled - Under direct care of a physician

ePayment.03 - Date Physician Certification Statement Signed

Definition

The date the Physician Certification Statement was signed.

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

ePayment.04 - Reason for Physician Certification Statement

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

Added to assist in billing documentation.

ePayment.05 - Healthcare Provider Type Signing Physician Certification Statement

Definition

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

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

Code List

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

Data Element Comment

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

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

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

Added to assist in billing documentation.

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

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Added to assist in billing documentation.

ePayment.08 - Patient Resides in Service Area

Definition

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

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

Code List

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

Data Element Comment

Added to assist in billing documentation.

ePayment.09 - Insurance Company ID

Definition

The ID Number of the patient's insurance company.

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

Constraints

Data Type	minLength	maxLength
string	2	60

Data Element Comment

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

ePayment.10 - Insurance Company Name

Definition

The name of the patient's insurance company.

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

Constraints

Data Type	minLength	maxLength
string	2	60

Data Element Comment

ePayment.11 - Insurance Company Billing Priority

Definition

The billing priority or order for the insurance company.

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

Code List

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

Data Element Comment

ePayment.12 - Insurance Company Address

Definition

The mailing address of the Insurance Company.

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

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

ePayment.13 - Insurance Company City

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	30

Data Element Comment

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

ePayment.14 - Insurance Company State

Definition

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

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on the ANSI State Code.

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

ePayment.15 - Insurance Company ZIP Code

Definition

The insurance company's ZIP Code.

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

Constraints

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

Data Element Comment

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

ePayment.16 - Insurance Company Country

Definition

The insurance company's country.

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

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

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

Version 3 Changes Implemented

Added to better document international addresses.

ePayment.17 - Insurance Group ID

Definition

The ID number of the patient's insurance group.

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

Constraints

Data Type	minLength	maxLength
string	2	30

Data Element Comment

ePayment.18 - Insurance Policy ID Number

Definition

The ID number of the patient's insurance policy.

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

Constraints

Data Type	minLength	maxLength
string	2	30

Data Element Comment

ePayment.19 - Last Name of the Insured

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

ePayment.20 - First Name of the Insured

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePayment.21 - Middle Initial/Name of the Insured

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePayment.22 - Relationship to the Insured

Definition

The relationship of the patient to the primary insured person.

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

Code List

Code	Description
2622001	Self
2622003	Spouse
2622005	Child/Dependent
2622009	Cadaver Donor
2622011	Employee
2622013	Life/Domestic Partner
2622015	Organ Donor
2622017	Unknown
2622019	Other Relationship

Data Element Comment

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

ePayment.58 - Insurance Group Name

Definition

The name of the patient's insurance group.

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

Constraints

Data Type	minLength	maxLength
string	2	30

Data Element Comment

ePayment.59 - Insurance Company Phone Number

Definition

The phone number for the patient's insurance company.

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType

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

Constraints

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

Data Element Comment

ePayment.60 - Date of Birth of the Insured

Definition

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

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

Constraints

Data Type	minInclusive	maxInclusive
date	1890-01-01	2050-01-01

Data Element Comment

ePayment.23 - Closest Relative/Guardian Last Name

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

ePayment.24 - Closest Relative/ Guardian First Name

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePayment.25 - Closest Relative/ Guardian Middle Initial/Name

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePayment.26 - Closest Relative/ Guardian Street Address

Definition

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

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

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

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

ePayment.27 - Closest Relative/ Guardian City

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	30

Data Element Comment

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

ePayment.28 - Closest Relative/ Guardian State

Definition

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

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on ANSI State Code.

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

ePayment.29 - Closest Relative/ Guardian ZIP Code

Definition

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

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

Constraints

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

Data Element Comment

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

ePayment.30 - Closest Relative/ Guardian Country

Definition

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

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

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

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

Version 3 Changes Implemented

Added to improve international compatibility.

ePayment.31 - Closest Relative/ Guardian Phone Number

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType

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

Constraints

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

Data Element Comment

ePayment.32 - Closest Relative/ Guardian Relationship

Definition

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

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

Code List

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

Data Element Comment

ePayment.33 - Patient's Employer

Definition

The patient's employer's name.

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

Constraints

Data Type	minLength	maxLength
string	2	60

Data Element Comment

ePayment.34 - Patient's Employer's Address

Definition

The street address of the patient's employer.

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

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

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

ePayment.35 - Patient's Employer's City

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	30

Data Element Comment

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

ePayment.36 - Patient's Employer's State

Definition

The state of the patient's employer.

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on ANSI State Code.

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

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

Definition

The ZIP Code of the patient's employer.

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

Constraints

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

Data Element Comment

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

ePayment.38 - Patient's Employer's Country

Definition

The country of the patient's employer.

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

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

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

Version 3 Changes Implemented

Added to improve international compatibility.

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

Definition

The employer's primary phone number.

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

Attributes

PhoneNumberType

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

Constraints

Pattern

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

Data Element Comment

ePayment.40 - Response Urgency

Definition

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

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

Code List

Code	Description
2640001	Immediate
2640003	Non-Immediate

Data Element Comment

This is for billing documentation.

ePayment.41 - Patient Transport Assessment

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

ePayment.42 - Specialty Care Transport Care Provider

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

ePayment.44 - Ambulance Transport Reason Code

Definition

The CMS Ambulance Transport Reason Code for the transport.

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
A	Patient was transported to the nearest facility for care of symptoms, complaints, or both
B	Patient was transported for the benefit of a preferred physician
C	Patient was transported for the nearness of family members
D	Patient was transported for the care of a specialist or for availability of equipment
E	Patient was transferred to a Rehabilitation Facility

Data Element Comment

Added to improve billing with electronic claims using the ASC X12 Standard. The Ambulance Transport Code values are those determined by US Dept of HHS for the "Code indicating the type of ambulance transport". The Accredited Standards Committee X12 organization maintains the standard. See the X12 website http://www.x12.org or United States Health Information Knowledgebase website for more information:
https://ushik.ahrq.gov/ViewItemDetails?system=sdo&itemKey=133080000

ePayment.45 - Round Trip Purpose Description

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	80

Data Element Comment

Added to improve billing documentation for CMS X12 based transactions.

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

Version 3 Changes Implemented

Added to improve billing with electronic claims using X12

ePayment.46 - Stretcher Purpose Description

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	80

Data Element Comment

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

ePayment.47 - Ambulance Conditions Indicator

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

Added to improve billing documentation and justification.

Version 3 Changes Implemented

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

ePayment.48 - Mileage to Closest Hospital Facility

Definition

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

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

Constraints

Data Type	fractionDigits	minInclusive	maxInclusive
decimal	2	1	1000

Data Element Comment

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

Version 3 Changes Implemented

Added for improved billing documentation.

ePayment.49 - ALS Assessment Performed and Warranted

Definition

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

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

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Added to improve billing justification

Version 3 Changes Implemented

Added to improve billing justification

State National

ePayment.50 - CMS Service Level

Definition

The CMS service level for this EMS encounter.

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

Associated Performance Measure Initiatives

Airway Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When CMS Service Level is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When CMS Service Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

ePayment.51 - EMS Condition Code

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

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

Data Element Comment

Code list is represented in ICD-10-CM Codes:
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

ePayment.52 - CMS Transportation Indicator

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

Name changed from Condition Code Modifier to CMS Transportation Indicator

Version 3 Changes Implemented

Name changed from Condition Code Modifier to CMS Transportation Indicator

ePayment.53 - Transport Authorization Code

Definition

Prior authorization code provided by the insurance carrier/payer.

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

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

Version 3 Changes Implemented

Added to improve billing documentation.

ePayment.54 - Prior Authorization Code Payer

Definition

The Payer who has provided the Prior Authorization Code.

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

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

Added to document Prior Authorization Codes for an EMS Transport.

Version 3 Changes Implemented

Added to improve billing documentation.

ePayment.55 - Supply Item Used Name

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	80

Data Element Comment

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

Version 3 Changes Implemented

Added to track EMS supplies for billing.

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

Definition

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

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

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	100,000,000

Data Element Comment

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

Version 3 Changes Implemented

Added to track EMS supplies for billing.

ePayment.57 - Payer Type

Definition

Payer type according to X12 standard.

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

Code List

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

Data Element Comment

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

eScene

Legend

Dataset Level: N National S State D Deprecated

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

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

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

eScene

1 : 1	eScene.01 - First EMS Unit on Scene	N	S	R	N, L	
0 : M	eScene.ResponderGroup	C				
0 : 1	eScene.02 - Other EMS or Public Safety Agencies at Scene	O				
0 : 1	eScene.03 - Other EMS or Public Safety Agency ID Number	O				
0 : 1	eScene.04 - Type of Other Service at Scene	O				
0 : 1	eScene.24 - First Other EMS or Public Safety Agency at Scene to Provide Patient Care	O	N, L			
0 : 1	eScene.25 - Transferred Patient/Care To/From Agency	S	E	N, L		
0 : 1	eScene.05 - Date/Time Initial Responder Arrived on Scene	O				
1 : 1	eScene.06 - Number of Patients at Scene	N	S	R	N, L	
1 : 1	eScene.07 - Mass Casualty Incident	N	S	R	N, L	
1 : 1	eScene.08 - Triage Classification for MCI Patient	N	S	R	N, L	
1 : 1	eScene.09 - Incident Location Type	N	S	R	N, L	
0 : 1	eScene.10 - Incident Facility Code	S	E	N, L		
0 : 1	eScene.11 - Scene GPS Location	S	O			
0 : 1	eScene.12 - Scene US National Grid Coordinates	S	O			
0 : 1	eScene.13 - Incident Facility or Location Name	S	O			
0 : 1	eScene.14 - Mile Post or Major Roadway	S	E	N, L		
0 : 1	eScene.15 - Incident Street Address	S	E	N, L		
0 : 1	eScene.16 - Incident Apartment, Suite, or Room	S	E	N, L		
0 : 1	eScene.17 - Incident City	S	E	N, L		
1 : 1	eScene.18 - Incident State	N	S	R	N, L	
1 : 1	eScene.19 - Incident ZIP Code	N	S	R	N, L	
0 : 1	eScene.20 - Scene Cross Street or Directions	S	E	N, L		
1 : 1	eScene.21 - Incident County	N	S	R	N, L	
0 : 1	eScene.22 - Incident Country	O				
0 : 1	eScene.23 - Incident Census Tract	O				

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.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When First EMS Unit on Scene is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When First EMS Unit on Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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

Definition

The name(s) of other EMS or public safety agencies at the scene.

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

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

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	25

Data Element Comment

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

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

eScene.04 - Type of Other Service at Scene

Definition

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

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

Code List

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

Data Element Comment

Associated with each Other Service in eScene.02

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

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When First Other EMS or Public Safety Agency at Scene to Provide Patient Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When First Other EMS or Public Safety Agency at Scene to Provide Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

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

Definition

Whether primary responsibility for the care of the patient was transferred in the field to or from the EMS agency listed in eScene.02.

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
2725001	Transferred Patient to Agency
2725003	Received Patient from Agency
2725005	No Transfer of Patient/Care To/From Agency

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Transferred Patient/Care To/From Agency is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Transferred Patient/Care To/From Agency has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI Trauma

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

State National

eScene.06 - Number of Patients at Scene

Definition

Indicator of how many total patients were at the scene.

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
2707001	Multiple
2707003	None
2707005	Single

Data Element Comment

Associated Validation Rules

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

State National

eScene.07 - Mass Casualty Incident

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	Error	When Mass Casualty Incident has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e068	Warning	Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes".
nemSch_e069	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

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Examples of triage systems include START and SALT.

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

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

Associated Validation Rules

Rule ID	Level	Message
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 - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Incident Location Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Incident Location Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e070	Warning	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".

State

eScene.10 - Incident Facility Code

Definition

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

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Incident Facility Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Incident Facility Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eScene.11 - Scene GPS Location

Definition

The GPS coordinates associated with the Scene.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern

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

Data Element Comment

The pattern for GPS location is in the format "*latitude*,*longitude*" where:
- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

State

eScene.12 - Scene US National Grid Coordinates

Definition

The US National Grid Coordinates for the Scene.

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

Constraints

Pattern
([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V]([0-9][0-9]){4,5}

Data Element Comment

Standard found at www.fgdc.gov/usng

State

eScene.13 - Incident Facility or Location Name

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

State

eScene.14 - Mile Post or Major Roadway

Definition

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

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	maxLength	minLength
string	35	1

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Mile Post or Major Roadway is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Mile Post or Major Roadway has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eScene.15 - Incident Street Address

Definition

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

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

Attributes

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

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Incident Street Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Incident Street Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eScene.16 - Incident Apartment, Suite, or Room

Definition

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

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Incident Apartment, Suite, or Room is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Incident Apartment, Suite, or Room has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eScene.17 - Incident City

Definition

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

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

Attributes

NOT Values (NV)

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

Data Element Comment

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Incident City is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Incident City has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eScene.18 - Incident State

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{2}

Data Element Comment

Based on the ANSI State Code.

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

Associated Validation Rules

Rule ID	Level	Message
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	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: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

Associated Validation Rules

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

State

eScene.20 - Scene Cross Street or Directions

Definition

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

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

Version 3 Changes Implemented

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Scene Cross Street or Directions is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Scene Cross Street or Directions has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eScene.21 - Incident County

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}

Data Element Comment

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

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

Associated Validation Rules

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.

eScene.22 - Incident Country

Definition

The country of the incident location.

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

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

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

Version 3 Changes Implemented

Added for international compatibility.

eScene.23 - Incident Census Tract

Definition

The census tract in which the incident occurred.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern
[0-9]{11}

Data Element Comment

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

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

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

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

Version 3 Changes Implemented

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

eSituation

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eSituation

1 : 1	eSituation.01 - Date/Time of Symptom Onset	N	S	R	N, L, P	
1 : 1	eSituation.02 - Possible Injury	N	S	R	N, L	
0 : M	eSituation.PatientComplaintGroup	C				
0 : 1	eSituation.03 - Complaint Type	S	E	N, L		
0 : 1	eSituation.04 - Complaint	S	E	N, L		
0 : 1	eSituation.05 - Duration of Complaint	S	E	N, L		
0 : 1	eSituation.06 - Time Units of Duration of Complaint	S	E	N, L		
1 : 1	eSituation.07 - Chief Complaint Anatomic Location	N	S	R	N, L	
1 : 1	eSituation.08 - Chief Complaint Organ System	N	S	R	N, L	
1 : 1	eSituation.09 - Primary Symptom	N	S	R	N, L	
1 : M	eSituation.10 - Other Associated Symptoms	N	S	R	N, L, P	C
1 : 1	eSituation.11 - Provider's Primary Impression	N	S	R	N, L	
1 : M	eSituation.12 - Provider's Secondary Impressions	N	S	R	N, L	C
1 : 1	eSituation.13 - Initial Patient Acuity	N	S	R	N, L	
0 : 1	eSituation.WorkRelatedGroup					
0 : 1	eSituation.14 - Work-Related Illness/Injury	S	E	N, L		
0 : 1	eSituation.15 - Patient's Occupational Industry	O				
0 : 1	eSituation.16 - Patient's Occupation	O				
0 : M	eSituation.17 - Patient Activity	S	E	N, L	C	
1 : 1	eSituation.18 - Date/Time Last Known Well	N	S	R	N, L, P	
0 : 1	eSituation.19 - Justification for Transfer or Encounter	S	E	N, L		
1 : 1	eSituation.20 - Reason for Interfacility Transfer/Medical Transport	N	S	R	N, L	

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+)? (zzzzzz)

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

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

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

Version 3 Changes Implemented

Added to better define the EMS patient event.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time of Symptom Onset is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Date/Time of Symptom Onset has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e003	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_e004	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_e043	Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.
nemSch_e053	Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Symptom Onset.
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".

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.

Associated Validation Rules

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 (High Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".
nemSch_e092	Warning	Trauma Triage Criteria (Moderate Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".

State

eSituation.03 - Complaint Type

Definition

The type of patient healthcare complaint being documented.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Code List

Code	Description
2803001	Chief (Primary)
2803003	Other
2803005	Secondary

Data Element Comment

This was added to group complaints in a more efficient manner

Version 3 Changes Implemented

Added to improve data integrity.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Complaint Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Complaint Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eSituation.04 - Complaint

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Complaint is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Complaint has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eSituation.05 - Duration of Complaint

Definition

The duration of the complaint.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minInclusive	maxInclusive
integer	1	365

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Duration of Complaint is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Duration of Complaint has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eSituation.06 - Time Units of Duration of Complaint

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Time Units of Duration of Complaint is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Time Units of Duration of Complaint has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eSituation.07 - Chief Complaint Anatomic Location

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Chief Complaint Anatomic Location is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Chief Complaint Anatomic Location has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eSituation.08 - Chief Complaint Organ System

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

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

Associated Validation Rules

Rule ID	Level	Message
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.

State National

eSituation.09 - Primary Symptom

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

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

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

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

Associated Validation Rules

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	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
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_e081	Warning	Other Associated Symptoms should only be recorded when Primary Symptom is recorded.

State National

eSituation.10 - Other Associated Symptoms

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

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

Pertinent Negatives (PN)
8801031 - Symptom Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

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

Data Element Comment

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

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

Associated Validation Rules

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

State National

eSituation.11 - Provider's Primary Impression

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

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

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

Associated Validation Rules

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

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

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Provider's Secondary Impressions is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Provider's Secondary Impressions has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Provider's Secondary Impressions has a Not Value, no other value should be recorded.
nemSch_e077	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
nemSch_e083	Warning	Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded.

State National

eSituation.13 - Initial Patient Acuity

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at
https://www.ems.gov/assets/National_EMS_Core_Content.pdf

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

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

Version 3 Changes Implemented

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

Associated Validation Rules

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	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".

State

eSituation.14 - Work-Related Illness/Injury

Definition

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

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

Attributes

NOT Values (NV)

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

Code List

Code	Description
9922001	No
9922003	Unknown
9922005	Yes

Data Element Comment

Moved from Version 2.2.1 E07_15 to allow more complete documentation of work related illness and injury.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Work-Related Illness/Injury is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Work-Related Illness/Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eSituation.15 - Patient's Occupational Industry

Definition

The occupational industry of the patient's work.

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

Code List

Code	Description
2815001	Accommodation and Food Services
2815003	Administrative and Support and Waste Management and Remediation Services
2815005	Agriculture, Forestry, Fishing and Hunting
2815007	Arts, Entertainment, and Recreation
2815009	Construction
2815011	Educational Services
2815013	Finance and Insurance
2815015	Health Care and Social Assistance
2815017	Information
2815019	Management of Companies and Enterprises
2815021	Manufacturing
2815023	Mining, Quarrying, and Oil and Gas Extraction
2815025	Other Services (except Public Administration)
2815027	Professional, Scientific, and Technical Services
2815029	Public Administration
2815031	Real Estate and Rental and Leasing
2815033	Retail Trade
2815035	Transportation and Warehousing
2815037	Utilities
2815039	Wholesale Trade

Data Element Comment

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

eSituation.16 - Patient's Occupation

Definition

The occupation of the patient.

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

Code List

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

Data Element Comment

Based on the Standard Occupational Classification of the US Bureau of Labor Statistics (https://www.bls.gov/soc/2018/soc_structure_2018.pdf)

Version 3 Changes Implemented

Added to better describe work related injury.

State

eSituation.17 - Patient Activity

Definition

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

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

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
Y93\.[A-Za-z0-9]{1,4}

Data Element Comment

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

Code list is represented in ICD-10 Codes.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient Activity is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Patient Activity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Patient Activity has a Not Value, no other value should be recorded.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801023 - Unable to Complete 8801029 - Approximate

Constraints

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

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\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.

Associated Validation Rules

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_e044	Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Well.
nemSch_e054	Warning	Unit Back in Service Date/Time should not be earlier than Date/Time Last Known Well.
nemSch_e085	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e086	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Result 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_e188	Error	When Date/Time Last Known Well 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_e191	Error	When Date/Time Last Known Well 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).

State

eSituation.19 - Justification for Transfer or Encounter

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

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

This element should only be documented when eResponse.05 Type of Service Requested is a transfer, Other Routine Medical Transport, or Mobile Integrated Health Care Encounter.

Version 3 Changes Implemented

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Justification for Transfer or Encounter is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Justification for Transfer or Encounter has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eSituation.20 - Reason for Interfacility Transfer/Medical Transport

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Version 3 Changes Implemented

Element added with the release of v3.5.0

Associated Validation Rules

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

eInjury

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eInjury

1 : M	eInjury.01 - Cause of Injury	N	S	R	N, L	C	
0 : M	eInjury.02 - Mechanism of Injury	S	E	N, L	C		
1 : M	eInjury.03 - Trauma Triage Criteria (High Risk for Serious Injury)	N	S	R	N, L, P	C	
1 : M	eInjury.04 - Trauma Triage Criteria (Moderate Risk for Serious Injury)	N	S	R	N, L, P	C	
0 : 1	eInjury.05 - Main Area of the Vehicle Impacted by the Collision	S	O				
0 : 1	eInjury.06 - Location of Patient in Vehicle	S	O				
0 : M	eInjury.07 - Use of Occupant Safety Equipment	S	E	N, L	C		
0 : M	eInjury.08 - Airbag Deployment	S	O	C			
0 : 1	eInjury.09 - Height of Fall (feet)	S	O				
0 : M	eInjury.10 - OSHA Personal Protective Equipment Used	O	C				
0 : 1	eInjury.CollisionGroup						
0 : 1	eInjury.11 - ACN System/Company Providing ACN Data	O					
0 : 1	eInjury.12 - ACN Incident ID	O					
0 : M	eInjury.13 - ACN Call Back Phone Number	O	C				
0 : 1	eInjury.14 - Date/Time of ACN Incident	O					
0 : 1	eInjury.15 - ACN Incident Location	O					
0 : 1	eInjury.16 - ACN Incident Vehicle Body Type	O					
0 : 1	eInjury.17 - ACN Incident Vehicle Manufacturer	O					
0 : 1	eInjury.18 - ACN Incident Vehicle Make	O					
0 : 1	eInjury.19 - ACN Incident Vehicle Model	O					
0 : 1	eInjury.20 - ACN Incident Vehicle Model Year	O					
0 : 1	eInjury.21 - ACN Incident Multiple Impacts	O					
0 : M	eInjury.22 - ACN Incident Delta Velocity	O	C				
0 : 1	eInjury.23 - ACN High Probability of Injury	O					
0 : 1	eInjury.24 - ACN Incident PDOF	O					
0 : 1	eInjury.25 - ACN Incident Rollover	O					
0 : M	eInjury.SeatGroup	C					
0 : 1	eInjury.26 - ACN Vehicle Seat Location	O					
0 : 1	eInjury.27 - Seat Occupied	O					
0 : 1	eInjury.28 - ACN Incident Seatbelt Use	O					
0 : 1	eInjury.29 - ACN Incident Airbag Deployed	O					

State National

eInjury.01 - Cause of Injury

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

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

Data Element Comment

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

Code list is represented in ICD-10 Codes.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Associated Validation Rules

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_e009	Warning	When Cause of Injury has a Not Value, no other value should be recorded.
nemSch_e089	Warning	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e090	Warning	Cause of Injury should only be recorded when Possible Injury is "Yes".

State

eInjury.02 - Mechanism of Injury

Definition

The mechanism of the event which caused the injury.

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

Associated Performance Measure Initiatives

Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
2902001	Blunt
2902003	Burn
2902005	Other
2902007	Penetrating

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Mechanism of Injury is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Mechanism of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Mechanism of Injury has a Not Value, no other value should be recorded.

State National

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

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

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

Pertinent Negatives (PN)
8801015 - None Reported

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Version 3 Changes Implemented

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Trauma Triage Criteria (High Risk for Serious Injury) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent

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

State National

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

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Trauma

Attributes

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

Pertinent Negatives (PN)
8801015 - None Reported

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Version 3 Changes Implemented

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Trauma Triage Criteria (Moderate Risk for Serious Injury) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Trauma Triage Criteria (Moderate Risk for Serious Injury) has a Pertinent Negative, no other value should be recorded.
nemSch_e092	Warning	Trauma Triage Criteria (Moderate Risk for Serious Injury) should only be recorded when Possible Injury is "Yes".

eInjury.05 - Main Area of the Vehicle Impacted by the Collision

Definition

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

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

Constraints

Data Type	minInclusive	maxInclusive
integer	1	12

Data Element Comment

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

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

eInjury.06 - Location of Patient in Vehicle

Definition

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

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

Code List

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

Data Element Comment

MMUCC P6 data element

State

eInjury.07 - Use of Occupant Safety Equipment

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Use of Occupant Safety Equipment is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Use of Occupant Safety Equipment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Use of Occupant Safety Equipment has a Not Value, no other value should be recorded.

eInjury.08 - Airbag Deployment

Definition

Indication of Airbag Deployment.

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

MMUCC P8 data element baseline was used for this element.

eInjury.09 - Height of Fall (feet)

Definition

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

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

Constraints

Data Type	minInclusive	maxInclusive
integer	0	10000

Data Element Comment

Classify same level falls as 0 feet

eInjury.10 - OSHA Personal Protective Equipment Used

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
2910001	Eye and Face Protection
2910003	Foot Protection
2910005	Head Protection
2910007	Hearing Protection
2910009	Respiratory Protection
2910011	Safety Belts, lifelines, and lanyards
2910013	Safety Nets

Data Element Comment

Version 3 Changes Implemented

Added to better document personal protection equipment used by the patient associated with an injury.

eInjury.11 - ACN System/Company Providing ACN Data

Definition

The agency providing the Automated Collision Notification (ACN) Data.

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

Constraints

Data Type	minLength	maxLength
string	1	30

Data Element Comment

Based on Vehicular Emergency Data Set: Provider Name. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.12 - ACN Incident ID

Definition

The Automated Collision Notification Incident ID.

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Based on Vehicular Emergency Data Set: Incident ID. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.13 - ACN Call Back Phone Number

Definition

The Automated Collision Notification Call Back Phone Number (US Only).

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

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType

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

Constraints

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

Data Element Comment

Based on Vehicular Emergency Data Set: Call Back Number. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.14 - Date/Time of ACN Incident

Definition

The Automated Collision Notification Incident Date and Time.

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

Constraints

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

Pattern

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

Data Element Comment

Based on Vehicular Emergency Data Set: Incident Date and Time. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

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

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

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

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

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.15 - ACN Incident Location

Definition

The Automated Collision Notification GPS Location.

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

Constraints

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

Data Element Comment

Based on Vehicular Emergency Data Set: Location (combining Latitude and Longitude). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group. The pattern for GPS location is in the format "*latitude*,*longitude*" where:
- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.16 - ACN Incident Vehicle Body Type

Definition

The Automated Collision Notification Vehicle Body Type.

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Based on Vehicular Emergency Data Set: Body Type. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.17 - ACN Incident Vehicle Manufacturer

Definition

The Automated Collision Notification Vehicle Manufacturer (e.g., General Motors, Ford, BMW, etc.).

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Based on Vehicular Emergency Data Set: Manufacturer. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.18 - ACN Incident Vehicle Make

Definition

The Automated Collision Notification Vehicle Make (e.g., Cadillac, Ford, BMW, etc.).

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Based on Vehicular Emergency Data Set: Make. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.19 - ACN Incident Vehicle Model

Definition

The Automated Collision Notification Vehicle Model (e.g., Escalade, Taurus, X6M, etc.).

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

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

Based on Vehicular Emergency Data Set: Model. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.20 - ACN Incident Vehicle Model Year

Definition

The Automated Collision Notification Vehicle Model Year (e.g., 2010).

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

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

Based on Vehicular Emergency Data Set: Year. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.21 - ACN Incident Multiple Impacts

Definition

The Automated Collision Notification Indication of Multiple Impacts associated with the collision.

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

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Based on Vehicular Emergency Data Set: Multiple Impacts. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.22 - ACN Incident Delta Velocity

Definition

The Automated Collision Notification Delta Velocity (Delta V) force associated with the crash.

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

Attributes

DeltaVelocityOrdinal
Data Type: integer **minInclusive:** 1

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

VelocityUnit
9921001 - Kilometers per Hour 9921003 - Miles per Hour

Constraints

Data Type	minInclusive	maxInclusive
integer	0	999

Data Element Comment

Based on Vehicular Emergency Data Set: Delta Velocity. The force of impact based on the change in velocity over the duration of the crash pulse. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.23 - ACN High Probability of Injury

Definition

The Automated Collision Notification of the High Probability of Injury.

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

Associated Performance Measure Initiatives

Trauma

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.24 - ACN Incident PDOF

Definition

The Automated Collision Notification Principal Direction of Force (PDOF).

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

Constraints

Data Type	minInclusive	maxInclusive
integer	1	12

Data Element Comment

Based on Vehicular Emergency Data Set: PDOF. Principal direction of the force of the impact to nearest o'clock reading. Values are 1 through 12 (e.g., 12=Frontal collision, 3=passenger side (right) collision, etc.). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.25 - ACN Incident Rollover

Definition

The Automated Collision Notification Indication that the Vehicle Rolled Over.

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

Code List

Code	Description
Y	Yes
N	No

Data Element Comment

Based on Vehicular Emergency Data Set: Rollover. Indicates if the vehicle rolled over during the collision/event (e.g., True=Rollover, False=No Rollover). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.26 - ACN Vehicle Seat Location

Definition

The Automated Collision Notification Indication of the Occupant(s) Seat Location(s) within the vehicle.

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

Code List

Code	Description
2926001	Driver Front Seat
2926003	Front Row Middle Seat
2926005	Passenger Front Seat
2926007	Second Row Left Seat
2926009	Second Row Middle Seat
2926011	Second Row Right Seat
2926013	Third Row Left Seat
2926015	Third Row Middle Seat
2926017	Third Row Right Seat

Data Element Comment

Based on Vehicular Emergency Data Set: Seat - Multiple entry for each seats data. Indicates seatbelt and seat sensor data for individual seat position in the vehicle. These elements come from passenger vehicle. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.27 - Seat Occupied

Definition

Indication if seat is occupied based on seat sensor data.

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

Code List

Code	Description
Y	Yes
N	No

Data Element Comment

Based on Vehicular Emergency Data Set: Occupied - Associated with each seat. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.28 - ACN Incident Seatbelt Use

Definition

The Automated Collision Notification Indication of Seatbelt use by the occupant(s).

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

Code List

Code	Description
Y	Yes
N	No

Data Element Comment

Based on Vehicular Emergency Data Set: Belt Fastened - Associated with each Seat. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eInjury.29 - ACN Incident Airbag Deployed

Definition

The Automated Collision Notification Indication of Airbag Deployment.

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

Code List

Code	Description
Y	Yes
N	No

Data Element Comment

Based on Vehicular Emergency Data Set: Deployed - Associated with each seat. Indicates if airbag is deployed. Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

Version 3 Changes Implemented

Added to better incorporate advanced automated collision notification information.

eArrest

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eArrest

1 : 1	eArrest.01 - Cardiac Arrest	N	S	R	N, L	
1 : 1	eArrest.02 - Cardiac Arrest Etiology	N	S	R	N, L	
1 : M	eArrest.03 - Resuscitation Attempted By EMS	N	S	R	N, L	C
1 : M	eArrest.04 - Arrest Witnessed By	N	S	R	N, L	C
1 : 1	eArrest.07 - AED Use Prior to EMS Arrival	N	S	R	N, L	
1 : M	eArrest.09 - Type of CPR Provided	N	S	R	N, L	C
0 : 1	eArrest.10 - Therapeutic Hypothermia by EMS	O				
1 : 1	eArrest.11 - First Monitored Arrest Rhythm of the Patient	N	S	R	N, L	
1 : M	eArrest.12 - Any Return of Spontaneous Circulation	N	S	R	N, L	C
0 : 1	eArrest.13 - Neurological Outcome at Hospital Discharge	O				
1 : 1	eArrest.14 - Date/Time of Cardiac Arrest	N	S	R	N, L, P	
0 : 1	eArrest.15 - Date/Time Resuscitation Discontinued	S	E	N, L		
1 : 1	eArrest.16 - Reason CPR/Resuscitation Discontinued	N	S	R	N, L	
1 : M	eArrest.17 - Cardiac Rhythm on Arrival at Destination	N	S	R	N, L	C
1 : 1	eArrest.18 - End of EMS Cardiac Arrest Event	N	S	R	N, L	
0 : 1	eArrest.19 - Date/Time of Initial CPR	O				
1 : 1	eArrest.20 - Who First Initiated CPR	N	S	R	N, L	
1 : 1	eArrest.21 - Who First Applied the AED	N	S	R	N, L	
1 : 1	eArrest.22 - Who First Defibrillated the Patient	N	S	R	N, L	

eArrest

State National

eArrest.01 - Cardiac Arrest

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3001001	No
3001003	Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)
3001005	Yes, After Any EMS Arrival (includes Transport EMS & Medical First Responders)

Data Element Comment

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

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

EMS is defined as Emergency Medical Services personnel and Medical First Responder personnel who respond to a medical emergency in an official capacity as part of an organized medical response team. By this definition, physicians, nurses, or paramedics who witness a cardiac arrest and initiate CPR, but are not part of the organized medical response team are characterized as bystanders and are not part of the EMS system.

Medical First Responders are defined as personnel who are dispatched through the 911 system, respond in an official capacity, have the capability and/or training to provide emergency medical care, but are not the designated transporter of the patient. Thus, law enforcement officers who respond in an official capacity to a cardiac arrest, have the capability and/or training to provide emergency medical care (e.g., carry AEDs in their patrol vehicles, hold EMR licensure, are CPR certified, etc.) are considered Medical First Responders for the purposes of this data element.

Responders dispatched through the 911 system with no capability of providing emergency medical care are not considered Medical First Responders. For example, towing and wrecking responding to a vehicle crash, or law enforcement officers who do not provide any emergency medical care would not be considered Medical First Responders.

For States and Local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), “Any EMS Arrival” includes 911 Responders (First Responder or EMS) as defined by CARES in the CARES Data Dictionary: https://vendors.mycares.net/.

This NEMSIS data element is used to answer CARES data element #20 Arrest After Arrival of 911 Responder.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	Error	When Cardiac Arrest has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it

		should be empty.
nemSch_e085	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e093	Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e094	Warning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e095	Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e096	Warning	Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e100	Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e101	Warning	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e103	Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".
nemSch_e104	Warning	AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e105	Warning	Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e108	Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e109	Warning	Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e111	Warning	Date/Time of Cardiac Arrest should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e112	Warning	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e113	Warning	Cardiac Rhythm on Arrival at Destination should be recorded when Transport Disposition is "Transport by This EMS Unit..." and Cardiac Arrest is "Yes...".
nemSch_e114	Warning	Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e115	Warning	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e116	Warning	End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e118	Warning	Who First Initiated CPR should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e120	Warning	Who First Applied the AED should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e123	Warning	Who First Defibrillated the Patient should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e171	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Arrest is "Yes...".

State National

eArrest.02 - Cardiac Arrest Etiology

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3002001	Cardiac (Presumed)
3002003	Drowning/Submersion
3002005	Drug Overdose
3002007	Electrocution
3002009	Exsanguination-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.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Cardiac Arrest Etiology is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Cardiac Arrest Etiology has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e093	Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e094	Warning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes...".

State National

eArrest.03 - Resuscitation Attempted By EMS

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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.

Associated Validation Rules

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	Error	When Resuscitation Attempted By EMS has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Resuscitation Attempted By EMS has a Not Value, no other value should be recorded.
nemSch_e095	Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e096	Warning	Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e097	Warning	Resuscitation Attempted By EMS should not contain both "Attempted/Initiated..." and "Not Attempted...".
nemSch_e098	Warning	Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions...".
nemSch_e099	Warning	Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation..." or "Compressions-Intermittent with Ventilation".
nemSch_e106	Warning	Type of CPR Provided should contain "Compressions..." when Resuscitation Attempted By EMS contains "Initiated Chest Compressions".

nemSch_e107	Warning	Type of CPR Provided should contain "Ventilation..." or "Compressions-Intermittent with Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation".
nemSch_e117	Warning	Who First Initiated CPR should be recorded when Resuscitation Attempted By EMS is "Attempted..." or "Initiated...".

State National

eArrest.04 - Arrest Witnessed By

Definition

Indication of who the cardiac arrest was witnessed by.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Arrest Witnessed By is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Arrest Witnessed By has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Arrest Witnessed By has a Not Value, no other value should be recorded.
nemSch_e100	Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e101	Warning	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e102	Warning	When Arrest Witnessed By is "Not Witnessed", no other value should be recorded.

State National

eArrest.07 - AED Use Prior to EMS Arrival

Definition

Documentation of AED use Prior to EMS Arrival.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Associated Validation Rules

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	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	Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".
nemSch_e104	Warning	AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...".
nemSch_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".

State National

eArrest.09 - Type of CPR Provided

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3009001	Compressions-Manual
3009003	Compressions-External Band Type Device
3009005	Compressions-External Plunger Type Device
3009007	Compressions-External Thumper Type Device
3009009	Compressions-Intermittent with Ventilation
3009011	Compressions-Other Device
3009021	~~Compressions-Hands-Only CPR~~ (DEPRECATED)
3009013	Ventilation-Bag Valve Mask
3009015	Ventilation-Impedance Threshold Device
3009017	Ventilation-Mouth to Mouth
3009019	Ventilation-Pocket Mask
3009023	Ventilation-with OPA/NPA
3009025	Ventilation-Advanced Airway Device
3009027	Ventilation-Passive Ventilation with Oxygen

Data Element Comment

Added to capture special CPR techniques.

Associated Validation Rules

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_e009	Warning	When Type of CPR Provided has a Not Value, no other value should be recorded.
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	Warning	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".

eArrest.10 - Therapeutic Hypothermia by EMS

Definition

Documentation of EMS initiation of Therapeutic Hypothermia.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.10 is the equivalent of CARES data element #32: Was Hypothermia Care Provided in the Field as defined by CARES in the CARES Data Dictionary: https://vendors.mycares.net/.

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".

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When First Monitored Arrest Rhythm of the Patient is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When First Monitored Arrest Rhythm of the Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eArrest.12 - Any Return of Spontaneous Circulation

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Any Return of Spontaneous Circulation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Any Return of Spontaneous Circulation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Any Return of Spontaneous Circulation has a Not Value, no other value should be recorded.
nemSch_e108	Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e109	Warning	Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes...".
nemSch_e110	Warning	When Any Return of Spontaneous Circulation is "No", no other value should be recorded.

eArrest.13 - Neurological Outcome at Hospital Discharge

Definition

The level of cerebral performance of the patient at the time of discharge from the Hospital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E11_07	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Code List

Code	Description
3013001	CPC 1 Good Cerebral Performance
3013003	CPC 2 Moderate Cerebral Disability
3013005	CPC 3 Severe Cerebral Disability
3013007	CPC 4 Coma or Vegetative State

Data Element Comment

1 = Good Cerebral Performance: Conscious, Alert, able to work and lead a normal life.

2 = Moderate Cerebral Disability: Conscious and able to function independently (dress, travel, prepare food) may have hemiplegia, seizures, or permanent memory or mental changes.

3 = Severe Cerebral Disability: Conscious, dependent on others for daily support, functions only in an institution or at home with exceptional family effort.

4 = Coma or vegetative state: any degree of coma without the presence of all brain death criteria. Unawareness, even if appears awake (vegetative state) without interaction with environment; may have spontaneous eye opening and sleep/awake cycles. Cerebral unresponsiveness.

State National

eArrest.14 - Date/Time of Cardiac Arrest

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801023 - Unable to Complete
8801029 - Approximate

Constraints

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

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\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)

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

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

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

Associated Validation Rules

Rule ID	Level	Message

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...".
nemSch_e189	Error	When Date/Time of Cardiac Arrest has a Pertinent Negative of "Unable to Complete", it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e192	Error	When Date/Time of Cardiac Arrest has a Pertinent Negative of "Approximate", it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

eArrest.15 - Date/Time Resuscitation Discontinued

Definition

The date/time resuscitation was discontinued.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_09	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time Resuscitation Discontinued is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Date/Time Resuscitation Discontinued has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eArrest.16 - Reason CPR/Resuscitation Discontinued

Definition

The reason that CPR or the resuscitation efforts were discontinued.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Code List

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

Data Element Comment

Added Resuscitation to Title to allow better documentation of disposition.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When Reason CPR/Resuscitation Discontinued has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e112	Warning	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes...".

State National

eArrest.17 - Cardiac Rhythm on Arrival at Destination

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901030	Non-STEMI Septal Ischemia
9901031	Other
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901058	STEMI Septal Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation
9901069	Ventricular Tachycardia (With Pulse)
9901071	Ventricular Tachycardia (Pulseless)

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Cardiac Rhythm on Arrival at Destination is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Cardiac Rhythm on Arrival at Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Cardiac Rhythm on Arrival at Destination has a Not Value, no other value should be recorded.
nemSch_e113	Warning	Cardiac Rhythm on Arrival at Destination should be recorded when Transport Disposition is "Transport by This EMS Unit..." and Cardiac Arrest is "Yes...".
nemSch_e114	Warning	Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes...".

State National

eArrest.18 - End of EMS Cardiac Arrest Event

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Associated Validation Rules

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

eArrest.19 - Date/Time of Initial CPR

Definition

The initial date and time that CPR was started by anyone.

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

Constraints

Data Type	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

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 7701003 - Not Recorded

Code List

Code	Description
3020001	Bystander
3020003	Family Member
3020005	Healthcare Provider (non-911 Responder)
3020007	First Responder (EMS)
3020009	First Responder (Law Enforcement)
3020011	First Responder (non-EMS Fire)
3020013	EMS Responder (transport EMS)

Data Element Comment

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as performing bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responder (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.20 is the equivalent of CARES data element #23 Who Initiated CPR as defined by CARES in the CARES Data Dictionary: https://vendors.mycares.net/.

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.
nemSch_e117	Warning	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 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 Data Dictionary: https://vendors.mycares.net/.

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.
nemSch_e119	Warning	Who First Applied the AED should be recorded when AED Use Prior to EMS Arrival is "Yes...".
nemSch_e120	Warning	Who First Applied the AED should only be recorded when Cardiac Arrest is "Yes...".

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 7701003 - Not Recorded

Code List

Code	Description
3022001	Bystander
3022003	Family Member
3022005	Healthcare Provider (non-911 Responder)
3022007	First Responder (EMS)
3022009	First Responder (Law Enforcement)
3022011	First Responder (non-EMS Fire)
3022013	EMS Responder (transport EMS)

Data Element Comment

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as preforming bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responser (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

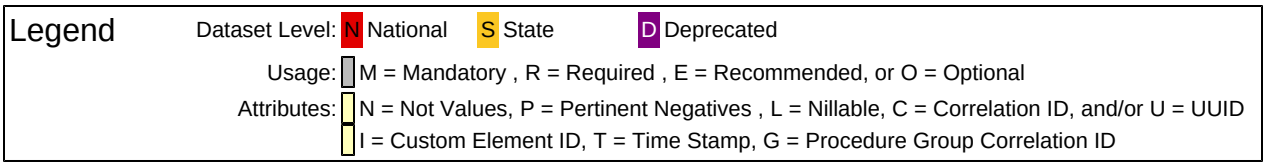
For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.22 is the equivalent of CARES data element #28 Who First Defibrillated the Patient as defined by CARES in the CARES Data Dictionary: https://vendors.mycares.net/.

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.
nemSch_e122	Warning	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



eHistory

1 : M	eHistory.01 - Barriers to Patient Care	N	S	R	N, L	C	
0 : M	eHistory.PractitionerGroup	C					
0 : 1	eHistory.02 - Last Name of Patient's Practitioner	O					
0 : 1	eHistory.03 - First Name of Patient's Practitioner	O					
0 : 1	eHistory.04 - Middle Name/Initial of Patient's Practitioner	O					
0 : M	eHistory.05 - Advance Directives	S	E	N, L	C		
0 : M	eHistory.06 - Medication Allergies	S	E	N, L, P	C		
0 : M	eHistory.07 - Environmental/Food Allergies	O	C				
0 : M	eHistory.08 - Medical/Surgical History	S	E	N, L, P	C		
0 : M	eHistory.09 - Medical History Obtained From	O	C				
0 : M	eHistory.ImmunizationsGroup	C					
0 : 1	eHistory.10 - The Patient's Type of Immunization	O	P				
0 : 1	eHistory.11 - Immunization Year	O					
0 : M	eHistory.CurrentMedsGroup	C					
0 : 1	eHistory.12 - Current Medications	S	E	N, L, P			
0 : 1	eHistory.13 - Current Medication Dose	O					
0 : 1	eHistory.14 - Current Medication Dosage Unit	O					
0 : 1	eHistory.15 - Current Medication Administration Route	O					
0 : 1	eHistory.20 - Current Medication Frequency	O					
0 : 1	eHistory.16 - Presence of Emergency Information Form	O					
1 : M	eHistory.17 - Alcohol/Drug Use Indicators	N	S	R	N, L, P	C	
0 : 1	eHistory.18 - Pregnancy	O	L, P				
0 : 1	eHistory.19 - Last Oral Intake	O					

eHistory

State National

eHistory.01 - Barriers to Patient Care

Definition

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

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

Attributes

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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Barriers to Patient Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Barriers to Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Barriers to Patient Care has a Not Value, no other value should be recorded.
nemSch_e124	Warning	When Barriers to Patient Care is "None Noted", no other value should be recorded.

eHistory.02 - Last Name of Patient's Practitioner

Definition

The last name of the patient's practitioner.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_06	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

eHistory.03 - First Name of Patient's Practitioner

Definition

The first name of the patient's practitioner.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

eHistory.04 - Middle Name/Initial of Patient's Practitioner

Definition

The middle name or initial of the patient's practitioner.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

State

eHistory.05 - Advance Directives

Definition

The presence of a valid DNR form, living will, or document directing end of life or healthcare treatment decisions.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3105001	Family/Guardian request DNR (but no documentation)
3105003	Living Will
3105005	None
3105007	Other
3105009	Other Healthcare Advanced Directive Form
3105011	State EMS DNR or Medical Order Form

Data Element Comment

Advanced Directive and Do Not Resuscitate are both included in this data element.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Advance Directives is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Advance Directives has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Advance Directives has a Not Value, no other value should be recorded.

eHistory.06 - Medication Allergies

Definition

The patient's medication allergies.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801013 - No Known Drug Allergy
8801019 - Refused
8801023 - Unable to Complete
8801021 - Unresponsive

Code Type

9924001 - ICD-10
9924003 - RxNorm

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern

(Z88\.[0-9])|([a-zA-Z0-9]{2,7})

Data Element Comment

The list of medication allergies is based on RxNorm (RXCUI) Codes. In addition, a specific list of ICD-10 CM codes can be used for medication groups.

Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

Code list is represented in two separate UMLS datasets:
1) ICD-10 Codes.
2) RxNorm

Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus
Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Medication Allergies is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Medication Allergies has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Medication Allergies has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Medication Allergies has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Medication Allergies has a Pertinent Negative, no other value should be recorded.

eHistory.07 - Environmental/Food Allergies

Definition

The patient's known allergies to food or environmental agents.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	maxInclusive	minInclusive
integer	999999999999999999	100000

Data Element Comment

Data Element Comment 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

State

eHistory.08 - Medical/Surgical History

Definition

The patient's pre-existing medical and surgery history of the patient.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

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

Pertinent Negatives (PN)
8801015 - None Reported
8801019 - Refused
8801023 - Unable to Complete
8801021 - Unresponsive

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
([A-QRSTUZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,3})?)|[0-9A-HJ-NP-Z]{3,7}

Data Element Comment

The Medical/Surgical History pattern has been extended to include ICD-10-CM: Diagnosis Codes and ICD-10-PCS: Procedural Health Intervention Codes.

ICD-10-CM: Diagnosis Codes.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus
Please reference the NEMSIS Suggested Lists at:
https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character).
The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. There are no decimals in ICD-10-PCS.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Medical/Surgical History is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Medical/Surgical History has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Medical/Surgical History has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Medical/Surgical History has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Medical/Surgical History has a Pertinent Negative, no other value should be recorded.

eHistory.09 - Medical History Obtained From

Definition

Type of person medical history obtained from.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_11	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3109001	Bystander/Other
3109003	Family
3109005	Health Care Personnel
3109007	Patient

Data Element Comment

eHistory.10 - The Patient's Type of Immunization

Definition

The immunization type of the patient.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E12_12	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Attributes

Pertinent Negatives (PN)
8801025 - Not Immunized

Code List

Code	Description
9910001	Anthrax
9910003	Cholera
9910005	DPT / TDaP (Diphtheria, Pertussis, Tetanus)
9910007	Hemophilus Influenza B
9910009	Hepatitis A
9910011	Hepatitis B
9910013	Human Papilloma Virus (HPV)
9910015	Influenza-H1N1
9910017	Influenza-Other
9910019	Influenza-Seasonal (In past 12 months)
9910021	Lyme Disease
9910023	Meningococcus
9910025	MMR (Measles, Mumps, Rubella)
9910027	Other-Not Listed
9910029	Plague
9910031	Pneumococcal (Pneumonia)
9910033	Polio
9910035	Rabies
9910037	Rotavirus
9910039	Shingles
9910041	Small Pox
9910043	Tetanus
9910045	Tuberculosis
9910047	Typhoid
9910049	Varicella (Chickenpox)
9910051	Yellow Fever
9910053	None

Data Element Comment

eHistory.11 - Immunization Year

Definition

The year associated with each immunization type.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_13	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

eHistory.12 - Current Medications

Definition

The medications the patient currently takes.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_14	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801015 - None Reported
8801019 - Refused
8801021 - Unresponsive
8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	2	9

Data Element Comment

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

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

Product - UMLS Metathesaurus
Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Current Medications is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Current Medications has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Current Medications has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eHistory.13 - Current Medication Dose

Definition

The numeric dose or amount of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_15	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	totalDigits	fractionDigits
decimal	9	3

Data Element Comment

Associated with eHistory.12 (Current Medications)

eHistory.14 - Current Medication Dosage Unit

Definition

The dosage unit of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_16	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3114001	Centimeters (cm)
3114003	Grams (gms)
3114005	Drops (gtts)
3114007	Inches (in)
3114009	International Units (IU)
3114011	Keep Vein Open (kvo)
3114013	Liters Per Minute (l/min [fluid])
3114015	Liters (l)
3114017	Liters Per Minute (LPM [gas])
3114019	Micrograms (mcg)
3114021	Micrograms per Kilogram per Minute (mcg/kg/min)
3114023	Micrograms per Minute (mcg/min)
3114025	Milliequivalents (mEq)
3114027	Metered Dose (MDI)
3114029	Milligrams (mg)
3114031	Milligrams per Kilogram (mg/kg)
3114033	Milligrams per Kilogram Per Minute (mg/kg/min)
3114035	Milligrams per Minute (mg/min)
3114037	Milliliters (ml)
3114039	Milliliters per Hour (ml/hr)
3114041	Other
3114043	Puffs
3114045	Units per Hour (units/hr)
3114047	Micrograms per Kilogram (mcg/kg)
3114049	Units
3114051	Units per Kilogram per Hour (units/kg/hr)
3114053	Units per Kilogram (units/kg)

Data Element Comment

eHistory.15 - Current Medication Administration Route

Definition

The administration route (po, SQ, etc.) of the patient's current medication.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_17	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9927001	Blow-By
9927003	Buccal
9927005	Endotracheal Tube (ET)
9927007	Gastrostomy Tube
9927009	Inhalation
9927011	Intraarterial
9927013	Intradermal
9927015	Intramuscular (IM)
9927017	Intranasal
9927019	Intraocular
9927021	Intraosseous (IO)
9927023	Intravenous (IV)
9927025	Nasal Cannula
9927027	Nasogastric
9927029	Nasotracheal Tube
9927031	Non-Rebreather Mask
9927033	Ophthalmic
9927035	Oral
9927037	Other/miscellaneous
9927039	Otic
9927041	Re-breather mask
9927043	Rectal
9927045	Subcutaneous
9927047	Sublingual
9927049	Topical
9927051	Tracheostomy
9927053	Transdermal
9927055	Urethral
9927057	Ventimask
9927059	Wound
9927061	Portacath
9927063	Auto Injector
9927065	BVM
9927067	CPAP
9927069	IV Pump
9927071	Nebulizer
9927073	Umbilical Artery Catheter
9927075	Umbilical Venous Catheter

Data Element Comment

eHistory.20 - Current Medication Frequency

Definition

The frequency of administration of the patient's current medication.

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

Code List

Code	Description
3120001	q1h (every hour)
3120003	q2h (every 2 hours)
3120005	q3h (every 3 hours)
3120007	q4h (every 4 hours)
3120009	qid (four times a day)
3120011	tid (three times a day)
3120013	ac (before meals)
3120015	pc (after meals)
3120017	bid (twice a day)
3120019	qd (every day)
3120021	qd-am (every day in the morning)
3120023	qd-pm (every day in the evening)
3120025	hs (at bedtime)
3120027	qod (every other day)
3120029	prn (as needed)

Data Element Comment

eHistory.16 - Presence of Emergency Information Form

Definition

Indication of the presence of the Emergency Information Form associated with patient's with special healthcare needs.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E12_18	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

State National

eHistory.17 - Alcohol/Drug Use Indicators

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801015 - None Reported
8801023 - Unable to Complete

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3117001	Alcohol Containers/Paraphernalia at Scene
3117003	Drug Paraphernalia at Scene
3117005	Patient Admits to Alcohol Use
3117007	Patient Admits to Drug Use
3117009	Positive Level known from Law Enforcement or Hospital Record
3117013	Physical Exam Indicates Suspected Alcohol or Drug Use
3117015	Bystander/Family Reports Drug Use
3117017	Bystander/Family Reports Alcohol Use

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Alcohol/Drug Use Indicators is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Alcohol/Drug Use Indicators has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Alcohol/Drug Use Indicators has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Alcohol/Drug Use Indicators has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Alcohol/Drug Use Indicators has a Pertinent Negative, no other value should be recorded.

eHistory.18 - Pregnancy

Definition

Indication of the possibility by the patient's history of current pregnancy.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E12_20	Is Nillable	Yes
Usage	Optional	Recurrence	0 : 1

Attributes

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Code List

Code	Description
3118001	No
3118003	Possible, Unconfirmed
3118005	Yes, Confirmed 12 to 20 Weeks
3118007	Yes, Confirmed Greater Than 20 Weeks
3118009	Yes, Confirmed Less Than 12 Weeks
3118011	Yes, Weeks Unknown

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Pregnancy is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e008	Error	When Pregnancy has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eHistory.19 - Last Oral Intake

Definition

Date and Time of last oral intake.

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

Constraints

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

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document last oral intake.

eNarrative

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eNarrative

0 : 1	eNarrative.01 - Patient Care Report Narrative	S	E	N, L

eNarrative

State

eNarrative.01 - Patient Care Report Narrative

Definition

The narrative of the patient care report (PCR).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E13_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	10000

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient Care Report Narrative is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Patient Care Report Narrative has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eVitals

Legend

Dataset Level: N National S State D Deprecated

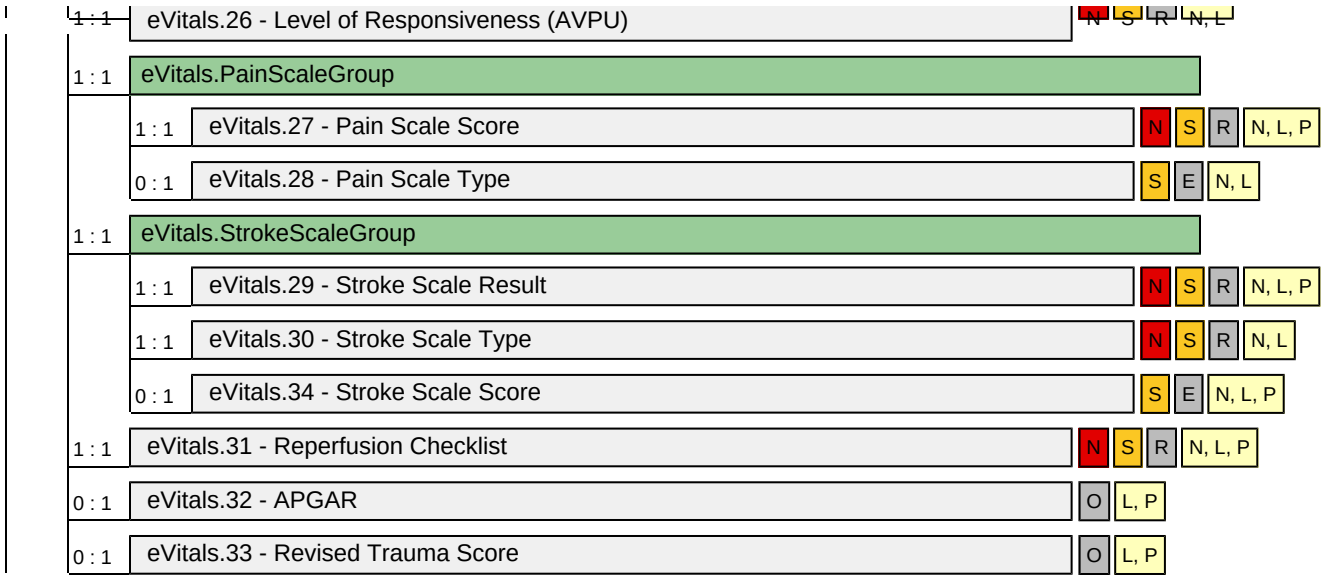
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID

I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

eVitals

1 : M	eVitals.VitalGroup								C
1 : 1	eVitals.01 - Date/Time Vital Signs Taken	N	S	R	N, L				
1 : 1	eVitals.02 - Obtained Prior to this Unit's EMS Care	N	S	R	N, L				
1 : 1	eVitals.CardiacRhythmGroup								
1 : M	eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	N	S	R	N, L, P	C			
1 : 1	eVitals.04 - ECG Type	N	S	R	N, L				
1 : M	eVitals.05 - Method of ECG Interpretation	N	S	R	N, L	C			
1 : 1	eVitals.BloodPressureGroup								
1 : 1	eVitals.06 - SBP (Systolic Blood Pressure)	N	S	R	N, L, P				
0 : 1	eVitals.07 - DBP (Diastolic Blood Pressure)	S	E	N, L, P					
0 : 1	eVitals.08 - Method of Blood Pressure Measurement	S	E	N, L					
0 : 1	eVitals.09 - Mean Arterial Pressure	O							
1 : 1	eVitals.HeartRateGroup								
1 : 1	eVitals.10 - Heart Rate	N	S	R	N, L, P				
0 : 1	eVitals.11 - Method of Heart Rate Measurement	O							
1 : 1	eVitals.12 - Pulse Oximetry	N	S	R	N, L, P				
0 : 1	eVitals.13 - Pulse Rhythm	O							
1 : 1	eVitals.14 - Respiratory Rate	N	S	R	N, L, P				
0 : 1	eVitals.15 - Respiratory Effort	O							
1 : 1	eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	N	S	R	N, L, P				
0 : 1	eVitals.17 - Carbon Monoxide (CO)	S	E	N, L, P					
1 : 1	eVitals.18 - Blood Glucose Level	N	S	R	N, L, P				
1 : 1	eVitals.GlasgowScoreGroup								
1 : 1	eVitals.19 - Glasgow Coma Score-Eye	N	S	R	N, L, P				
1 : 1	eVitals.20 - Glasgow Coma Score-Verbal	N	S	R	N, L, P				
1 : 1	eVitals.21 - Glasgow Coma Score-Motor	N	S	R	N, L, P				
1 : M	eVitals.22 - Glasgow Coma Score-Qualifier	N	S	R	N, L	C			
0 : 1	eVitals.23 - Total Glasgow Coma Score	S	E	N, L, P					
0 : 1	eVitals.TemperatureGroup								
0 : 1	eVitals.24 - Temperature	S	E	N, L, P					
0 : 1	eVitals.25 - Temperature Method	O							


1 : 1
eVitals.26 - Level of Responsiveness (AVPU)
N
S
R
N, L
1 : 1
eVitals.PainScaleGroup
1 : 1
eVitals.27 - Pain Scale Score
N
S
R
N, L, P
0 : 1
eVitals.28 - Pain Scale Type
S
E
N, L
1 : 1
eVitals.StrokeScaleGroup
1 : 1
eVitals.29 - Stroke Scale Result
N
S
R
N, L, P
1 : 1
eVitals.30 - Stroke Scale Type
N
S
R
N, L
0 : 1
eVitals.34 - Stroke Scale Score
S
E
N, L, P
1 : 1
eVitals.31 - Reperfusion Checklist
N
S
R
N, L, P
0 : 1
eVitals.32 - APGAR
O
L, P
0 : 1
eVitals.33 - Revised Trauma Score
O
L, P

eVitals

State National

eVitals.01 - Date/Time Vital Signs Taken

Definition

The date/time vital signs were taken on the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Associated Validation Rules

Rule ID	Level	Message
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".

State National

eVitals.02 - Obtained Prior to this Unit's EMS Care

Definition

Indicates that the information which is documented was obtained prior to the documenting EMS units care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

Associated Validation Rules

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

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901030	Non-STEMI Septal Ischemia
9901031	Other
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901058	STEMI Septal Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation

9901069 Ventricular Tachycardia (With Pulse)
9901071 Ventricular Tachycardia (Pulseless)

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Cardiac Rhythm / Electrocardiography (ECG) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Cardiac Rhythm / Electrocardiography (ECG) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Cardiac Rhythm / Electrocardiography (ECG) has a Pertinent Negative, no other value should be recorded.
nemSch_e087	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".
nemSch_e173	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

State National

eVitals.04 - ECG Type

Definition

The type of ECG associated with the cardiac rhythm.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

STEMI

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
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	Level	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

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3305001	Computer Interpretation
3305003	Manual Interpretation
3305005	Transmission with No Interpretation
3305007	Transmission with Remote Interpretation

Data Element Comment

"Transmission with no interpretation" may be used by EMS Agency Personnel that are not trained to interpret cardiac rhythms.

Version 3 Changes Implemented

Added to better document ECG results.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Method of ECG Interpretation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Method of ECG Interpretation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Method of ECG Interpretation has a Not Value, no other value should be recorded.

State National

eVitals.06 - SBP (Systolic Blood Pressure)

Definition

The patient's systolic blood pressure.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801005 - Exam Finding Not Present
8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	500

Data Element Comment

Required for ACS-Field Triage and other patient scoring systems.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When SBP (Systolic Blood Pressure) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When SBP (Systolic Blood Pressure) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

eVitals.07 - DBP (Diastolic Blood Pressure)

Definition

The patient's diastolic blood pressure.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_05	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801005 - Exam Finding Not Present
8801019 - Refused
8801023 - Unable to Complete

Constraints

Pattern

[5][0][0]|[1-4][0-9][0-9]|[0-9]|[1-9][0-9]|P|p

Data Element Comment

Diastolic blood pressure pattern allows for the following values:
1) A number 0 through 500
2) P
3) p

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When DBP (Diastolic Blood Pressure) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When DBP (Diastolic Blood Pressure) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When DBP (Diastolic Blood Pressure) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

eVitals.08 - Method of Blood Pressure Measurement

Definition

Indication of method of blood pressure measurement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
3308001	Arterial Line
3308003	Doppler
3308005	Cuff-Automated
3308007	Cuff-Manual Auscultated
3308009	Cuff-Manual Palpated Only
3308011	Venous Line

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Method of Blood Pressure Measurement is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Method of Blood Pressure Measurement has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eVitals.09 - Mean Arterial Pressure

Definition

The patient's mean arterial pressure.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	1	500

Data Element Comment

Version 3 Changes Implemented

Added for additional patient monitoring capability.

State National

eVitals.10 - Heart Rate

Definition

The patient's heart rate expressed as a number per minute.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801005 - Exam Finding Not Present
8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	500

Data Element Comment

Pulse Rate and Electronic Monitor Rate have been merged with an additional data element for Method of Heart Rate Measurement.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When Heart Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Heart Rate has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.11 - Method of Heart Rate Measurement

Definition

The method in which the Heart Rate was measured. Values include auscultated, palpated, electronic monitor.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3311001	Auscultated
3311003	Doppler
3311005	Electronic Monitor - Cardiac
3311007	Electronic Monitor - Pulse Oximeter
3311009	Electronic Monitor (Other)
3311011	Palpated

Data Element Comment

This data element was added when Pulse Rate and Electronic Monitor Rate were merged as EVitals.10.

Version 3 Changes Implemented

This data element was added when Pulse Rate and Electronic Monitor Rate were merged as EVitals.10.

State National

eVitals.12 - Pulse Oximetry

Definition

The patient's oxygen saturation.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_09	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801005 - Exam Finding Not Present
8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	100

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	Error	When Pulse Oximetry has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Pulse Oximetry has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.13 - Pulse Rhythm

Definition

The clinical rhythm of the patient's pulse.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E14_10	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3313001	Irregularly Irregular
3313003	Regular
3313005	Regularly Irregular

Data Element Comment

State National

eVitals.14 - Respiratory Rate

Definition

The patient's respiratory rate expressed as a number per minute.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801005 - Exam Finding Not Present
8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	300

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Respiratory Rate is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Respiratory Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Respiratory Rate has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.15 - Respiratory Effort

Definition

The patient's respiratory effort.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E14_12	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3315001	Apneic
3315003	Labored
3315005	Mechanically Assisted (BVM, CPAP, etc.)
3315007	Normal
3315009	Rapid
3315011	Shallow
3315013	Weak/Agonal

Data Element Comment

State National

eVitals.16 - End Tidal Carbon Dioxide (ETCO2)

Definition

The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg), percentage or, kilopascal (kPa).

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

ETCO2Type

3340001 - mmHg 3340003 - Percentage 3340005 - kPa

Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	4	1	0	760

Data Element Comment

Associated Validation Rules

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.17 - Carbon Monoxide (CO)

Definition

The numeric value of the patient's carbon monoxide level measured as a percentage (%) of carboxyhemoglobin (COHb).

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive	totalDigits	fractionDigits
decimal	0	100	3	1

Data Element Comment

Version 3 Changes Implemented

Added to allow use of new patient monitoring devices.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Carbon Monoxide (CO) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Carbon Monoxide (CO) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Carbon Monoxide (CO) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State National

eVitals.18 - Blood Glucose Level

Definition

The patient's blood glucose level.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Pediatric Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Pattern

[2][0][0][0]|[1][0-9][0-9][0-9]|[1-9][0-9][0-9]|[1-9][0-9]|[0-9]|High|Low

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When Blood Glucose Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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).

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When Glasgow Coma Score-Eye has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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

Code	Description
1	No verbal/vocal response (All Age Groups)
2	Incomprehensible sounds (>2 Years); Inconsolable, agitated
3	Inappropriate words (>2 Years); Inconsistently consolable, moaning
4	Confused (>2 Years); Cries but is consolable, inappropriate interactions
5	Oriented (>2 Years); Smiles, oriented to sounds, follows objects, interacts

Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

Associated Validation Rules

Rule ID	Level	Message
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).

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Glasgow Coma Score-Motor is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Glasgow Coma Score-Motor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Glasgow Coma Score-Motor has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State National

eVitals.22 - Glasgow Coma Score-Qualifier

Definition

Documentation of factors which make the GCS score more meaningful.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_18	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3322001	Eye Obstruction Prevents Eye Assessment
3322003	Initial GCS has legitimate values without interventions such as intubation and sedation
3322005	Patient Chemically Paralyzed
3322007	Patient Chemically Sedated
3322009	Patient Intubated

Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Glasgow Coma Score-Qualifier is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Glasgow Coma Score-Qualifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Glasgow Coma Score-Qualifier has a Not Value, no other value should be recorded.
nemSch_e135	Warning	When Glasgow Coma Score-Qualifier is "Initial GCS has legitimate values without interventions such as intubation and sedation", no other value should be recorded.

State

eVitals.23 - Total Glasgow Coma Score

Definition

The patient's total Glasgow Coma Score.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_19	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	3	15

Data Element Comment

Can be documented or calculated from EVitals.19 (GCS-Eye), EVitals.20 (GCS-Verbal), and EVitals.21 (GCS-Motor).

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Total Glasgow Coma Score is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Total Glasgow Coma Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Total Glasgow Coma Score has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

eVitals.24 - Temperature

Definition

The patient's body temperature in degrees Celsius/centigrade.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_20	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Pediatric

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	3	1	0	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Temperature is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Temperature has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Temperature has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.25 - Temperature Method

Definition

The method used to obtain the patient's body temperature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E14_21	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3325001	Axillary
3325003	Central (Venous or Arterial)
3325005	Esophageal
3325007	Oral
3325009	Rectal
3325011	Temporal Artery
3325013	Tympanic
3325015	Urinary Catheter
3325017	Skin Probe

Data Element Comment

State National

eVitals.26 - Level of Responsiveness (AVPU)

Definition

The patient's highest level of responsiveness.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_22	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3326001	Alert
3326003	Verbal
3326005	Painful
3326007	Unresponsive

Data Element Comment

Definition changed to indicate highest level of responsiveness.

Associated Validation Rules

Rule ID	Level	Message
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	Error	When Level of Responsiveness (AVPU) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eVitals.27 - Pain Scale Score

Definition

The patient's indication of pain from a scale of 0-10.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_23	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Pediatric STEMI Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	10

Data Element Comment

The Pain Score can be obtained from several pain measurement tools or pain scale types (eVitals.28). The pain scale type used should have a numeric value associated with each diagram as appropriate. If the pain scale type utilizes multiple indicators/categories the total should be calculated and entered for the pain score associated with the patient assessment.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	Error	When Pain Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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

eVitals.28 - Pain Scale Type

Definition

The type of pain scale used.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
3328001	FLACC (Face, Legs, Activity, Cry, Consolability)
3328003	Numeric (0-10)
3328005	Other
3328007	Wong-Baker (FACES)

Data Element Comment

Version 3 Changes Implemented

Added to better document the patient's pain level.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Pain Scale Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Pain Scale Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eVitals.29 - Stroke Scale Result

Definition

The findings or results of the Stroke Scale Type (eVitals.30) used to assess the patient exhibiting stroke-like symptoms.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_24	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Code List

Code	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Stroke Scale Result is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if 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 Result has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Stroke Scale Result 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	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Result is "Positive".
nemSch_e172	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Result is "Positive".

State National

eVitals.30 - Stroke Scale Type

Definition

The type of stroke scale used.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3330001	Cincinnati 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
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)
3330025	Vision, Aphasia, Neglect (VAN)
3330027	FAST-ED
3330029	BEFAST

Data Element Comment

Version 3 Changes Implemented

Added to include additional detail on the stroke scale used.

Associated Validation Rules

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

eVitals.34 - Stroke Scale Score

Definition

The stroke score value associated with the stroke scale type listed in eVitals.30.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801023 - Unable to Complete
8801019 - Refused

Constraints

Data Type	minInclusive	maxInclusive
integer	0	42

Data Element Comment

Score associated with the stroke scale listed in eVitals.30

Associated Validation Rules

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	Error	When Stroke Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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).

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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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_e002	Error	When Reperfusion Checklist has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Reperfusion Checklist has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.32 - APGAR

Definition

The patient's total APGAR score (0-10).

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E14_26	Is Nillable	Yes
Usage	Optional	Recurrence	0 : 1

Attributes

Pertinent Negatives (PN)
8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	10

Data Element Comment

Recommended to be taken at 1 and 5 minutes after the infants birth

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When APGAR is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e008	Error	When APGAR has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.33 - Revised Trauma Score

Definition

The patient's Revised Trauma Score.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E14_27	Is Nillable	Yes
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Trauma

Attributes

Pertinent Negatives (PN)

8801019 - Refused

8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	12

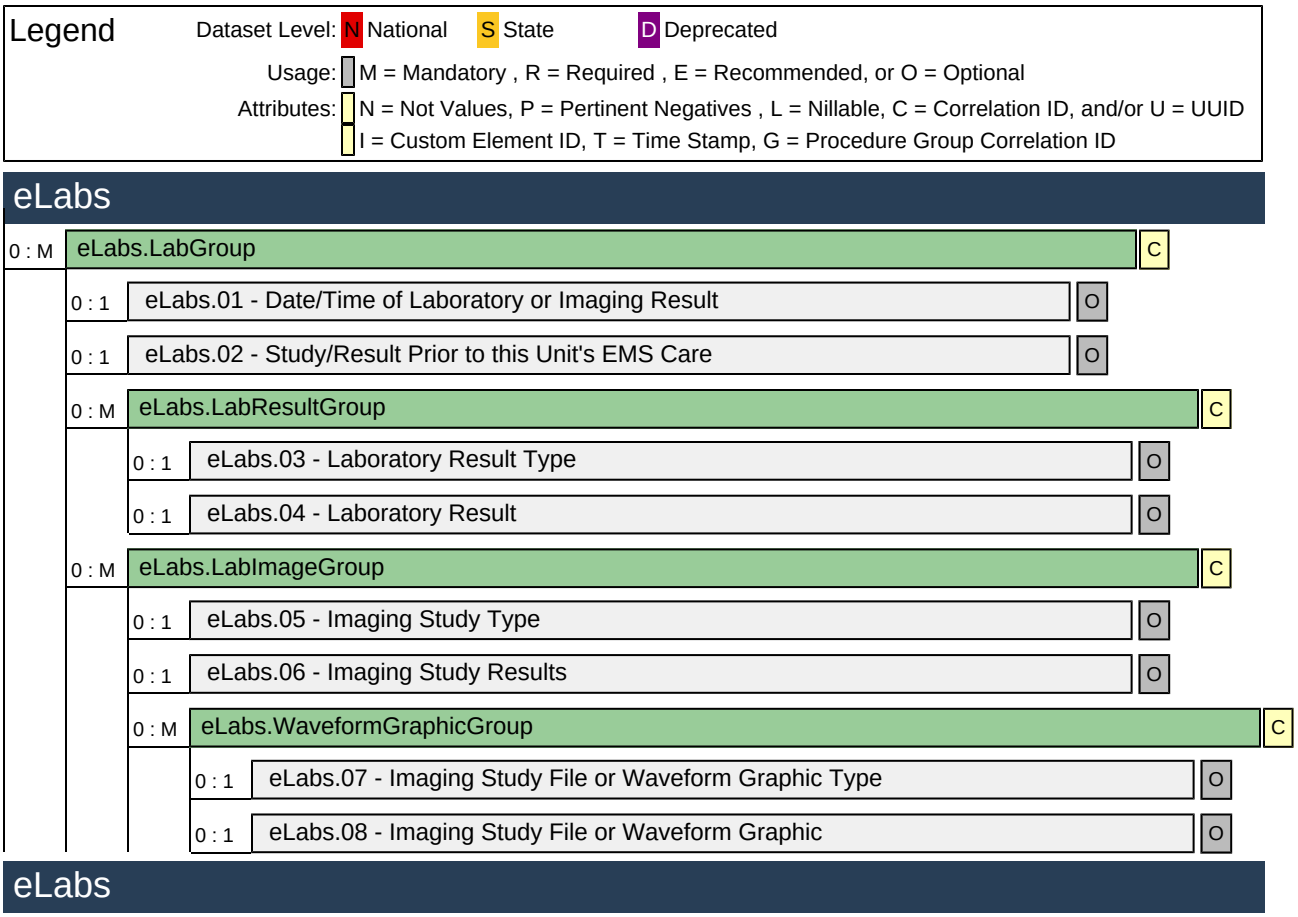
Data Element Comment

The Unweighted Revised Trauma Score is a physiological scoring system that is based on the first set of vital signs obtained from the patient, and consists of Glasgow Coma Scale, Systolic Blood Pressure and Respiratory Rate.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Revised Trauma Score is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e008	Error	When Revised Trauma Score has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eLabs


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eLabs
0 : M
eLabs.LabGroup
C
0 : 1
eLabs.01 - Date/Time of Laboratory or Imaging Result
O
0 : 1
eLabs.02 - Study/Result Prior to this Unit's EMS Care
O
0 : M
eLabs.LabResultGroup
C
0 : 1
eLabs.03 - Laboratory Result Type
O
0 : 1
eLabs.04 - Laboratory Result
O
0 : M
eLabs.LabImageGroup
C
0 : 1
eLabs.05 - Imaging Study Type
O
0 : 1
eLabs.06 - Imaging Study Results
O
0 : M
eLabs.WaveformGraphicGroup
C
0 : 1
eLabs.07 - Imaging Study File or Waveform Graphic Type
O
0 : 1
eLabs.08 - Imaging Study File or Waveform Graphic
O
eLabs

eLabs.01 - Date/Time of Laboratory or Imaging Result

Definition

The date and time for the specific laboratory result.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document patient care.

eLabs.02 - Study/Result Prior to this Unit's EMS Care

Definition

Indicates that the laboratory result occurred prior to this EMS units care.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Version 3 Changes Implemented

Added to better document EMS care.

eLabs.03 - Laboratory Result Type

Definition

The type of the laboratory value.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3403001	Alanine Transaminase
3403003	Alcohol-Blood
3403005	Alcohol-Breath
3403007	Alkaline Phosphatase
3403009	Amylase
3403013	Aspartate Transaminase
3403015	B-Type Natriuretic Peptide (BNP)
3403017	Base Excess
3403019	Bilirubin-Direct
3403021	Bilirubin-Total
3403023	BUN
3403025	Calcium-Ionized
3403027	Calcium-Serum
3403029	Carbon Dioxide-Partial Pressure
3403033	Chloride
3403035	Creatine Kinase
3403037	Creatine Kinase-MB
3403039	Creatinine
3403041	Gamma Glutamyl Transpeptidase
3403043	Glucose
3403045	Hematocrit
3403047	Hemoglobin
3403049	Human Chorionic Gonadotropin-Serum
3403051	Human Chorionic Gonadotropin-Urine
3403053	International Normalized Ratio (INR)
3403055	Lactate Dehydrogenase
3403057	Lactate-Arterial
3403059	Lactate-Venous
3403061	Lipase
3403063	Magnesium
3403065	Oxygen-Partial Pressure
3403067	Partial Thromboplastin Time
3403071	pH-ABG
3403073	pH-Venous
3403075	Platelets
3403077	Potassium
3403079	Prothrombin Time
3403081	Red Blood Cells
3403083	Sodium
3403085	Troponin
3403087	White Blood Cells
3403089	Ammonia
3403091	Bicarbonate (HCO3)
3403093	Carboxyhemoglobin
3403095	CO2, Total (Bicarbonate)
3403097	CRP (C-Reactive Protein)
3403099	Dilantin
3403101	Leukocytes
3403103	Nitrates
3403105	Phenobarbital
3403107	Protein

3403109	Salicylate
3403111	Specific Gravity
3403113	Tylenol
3403115	ACT Celite (ACTc)
3403117	ACT Kaolin (ACTk)
3403119	Bands
3403121	Basophils
3403123	~~Creatine Phosphokinase (CK)~~ (DEPRECATED)
3403125	Eosinophils
3403127	Erythrocyte Count
3403129	Erythrocyte Morphology
3403131	Erythrocyte Sedimentation Rate
3403133	High-Sensitivity C-reactive Protein (hs-CRP)
3403135	Lymphocytes
3403137	Mean Corpuscular Hemoglobin (MCH)
3403139	Mean Corpuscular Hemoglobin Concentration (MCHC)
3403141	Mean Corpuscular Volume (MCV)
3403143	Monocytes
3403145	Myoglobin
3403147	Neutrophils
3403149	Oxygen Saturation (SaO2)
3403151	Oxygen Volume/Content (SVO2)
3403153	Phosphorus (PO4)
3403155	Prothromblin test time (PT/INR)
3403157	Red Cell Distribution Width (RDW)
3403159	Reticulocyte Count
3403161	Troponin T (cTnT)

Data Element Comment

Version 3 Changes Implemented

Added to provide for the documentation of laboratory results obtained prior to or during and EMS patient encounter.

eLabs.04 - Laboratory Result

Definition

The value or result of the laboratory test (Units may vary).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Version 3 Changes Implemented

Added to better document EMS care.

eLabs.05 - Imaging Study Type

Definition

The type of x-ray or imaging study.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3405001	Computed Tomography (CT) Scan
3405003	Magnetic Resonance Imaging (MRI)
3405005	Other
3405007	Positron Emission Tomography (PET) Scan
3405009	Ultrasound
3405011	X-ray
3405013	Angiography

Data Element Comment

Version 3 Changes Implemented

Added to better describe the EMS patient care.

eLabs.06 - Imaging Study Results

Definition

The description or interpretation of the results of the imaging study.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	3	5000

Data Element Comment

Version 3 Changes Implemented

Added to better describe the EMS Patient Care

eLabs.07 - Imaging Study File or Waveform Graphic Type

Definition

The description of the image study file or waveform graphic stored in Imaging Study File or Waveform Graphic (eLabs.08).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d_image

Raster Image formats: http://www.fileinfo.com/filetypes/raster_image

Vector Image formats: http://www.fileinfo.com/filetypes/vector_image

Video formats: http://www.fileinfo.com/filetypes/video

Audio formats: http://www.fileinfo.com/filetypes/audio

Comparison of formats:

Image: http://en.wikipedia.org/wiki/Comparison_of_image_file_formats

Audio: http://en.wikipedia.org/wiki/Audio_file_format

Container: http://en.wikipedia.org/wiki/Comparison_of_container_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image_file_formats

Mime Types: http://en.wikipedia.org/wiki/Internet_media_type

eLabs.08 - Imaging Study File or Waveform Graphic

Definition

The imaging study file.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data Type
base64Binary

Data Element Comment

Added to allow the imaging file to be uploaded and better document patient care.

eExam

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eExam

0 : 1	eExam.01 - Estimated Body Weight in Kilograms	S	E	N, L, P	
0 : 1	eExam.02 - Length Based Tape Measure	S	E	N, L, P	
0 : M	eExam.AssessmentGroup	C			
0 : 1	eExam.03 - Date/Time of Assessment	O			
0 : M	eExam.04 - Skin Assessment	O	P	C	
0 : M	eExam.05 - Head Assessment	O	P	C	
0 : M	eExam.06 - Face Assessment	O	P	C	
0 : M	eExam.07 - Neck Assessment	O	P	C	
0 : M	eExam.09 - Heart Assessment	O	P	C	
0 : M	eExam.AbdomenGroup	C			
0 : 1	eExam.10 - Abdominal Assessment Finding Location	O			
0 : M	eExam.11 - Abdomen Assessment	O	P	C	
0 : M	eExam.12 - Pelvis/Genitourinary Assessment	O	P	C	
0 : M	eExam.SpineGroup	C			
0 : 1	eExam.13 - Back and Spine Assessment Finding Location	O			
0 : M	eExam.14 - Back and Spine Assessment	O	P	C	
0 : M	eExam.ExtremityGroup	C			
0 : 1	eExam.15 - Extremity Assessment Finding Location	O			
0 : M	eExam.16 - Extremities Assessment	O	P	C	
0 : M	eExam.EyeGroup	C			
0 : 1	eExam.17 - Eye Assessment Finding Location	O			
0 : M	eExam.18 - Eye Assessment	O	P	C	
0 : M	eExam.LungGroup	C			
0 : 1	eExam.22 - Lung Assessment Finding Location	O			
0 : M	eExam.23 - Lung Assessment	O	P	C	
0 : M	eExam.ChestGroup	C			
0 : 1	eExam.24 - Chest Assessment Finding Location	O			
0 : M	eExam.25 - Chest Assessment	O	P	C	
0 : M	eExam.19 - Mental Status Assessment	O	P	C	
0 : M	eExam.20 - Neurological Assessment	O	P	C	
0 : 1	eExam.21 - Stroke/CVA Symptoms Resolved	S	E	N, L, P	

State

eExam.01 - Estimated Body Weight in Kilograms

Definition

The patient's body weight in kilograms either measured or estimated.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E16_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Pediatric

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801023 - Unable to Complete

Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	4	1	0.1	999.9

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Estimated Body Weight in Kilograms is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Estimated Body Weight in Kilograms has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Estimated Body Weight in Kilograms has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

State

eExam.02 - Length Based Tape Measure

Definition

The length-based color as taken from the tape.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E16_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Pediatric

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Code List

Code	Description
3502001	Blue
3502003	Green
3502005	Grey
3502007	Orange
3502009	Pink
3502011	Purple
3502013	Red
3502015	White
3502017	Yellow

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Length Based Tape Measure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Length Based Tape Measure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Length Based Tape Measure has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eExam.03 - Date/Time of Assessment

Definition

The date/time of the assessment.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E16_03	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Stroke Cardiac Arrest

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

eExam.04 - Skin Assessment

Definition

The assessment findings associated with the patient's skin.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_04	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3504001	Clammy
3504003	Cold
3504005	Cyanotic
3504007	Diaphoretic
3504009	Dry
3504011	Flushed
3504013	Hot
3504015	Jaundiced
3504017	Lividity
3504019	Mottled
3504021	Normal
3504023	Not Done
3504025	Pale
3504027	Poor Turgor
3504029	Red (Erythematous)
3504031	Tenting
3504033	Warm
3504035	Capillary Nail Bed Refill less than 2 seconds
3504037	Capillary Nail Bed Refill 2-4 seconds
3504039	Capillary Nail Bed Refill more than 4 seconds

Data Element Comment

Element eExam.04 - Skin Assessment represents Version 2.2.1 elements E15_01 NHTSA Injury Matrix External/Skin and E16_04 Skin Assessment. The element value choices have been combined and expanded.

eExam.05 - Head Assessment

Definition

The assessment findings associated with the patient's head.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_05	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3505001	Abrasion
3505003	Avulsion
3505005	Bleeding Controlled
3505007	Bleeding Uncontrolled
3505009	Burn-Blistering
3505011	Burn-Charring
3505013	Burn-Redness
3505015	Burn-White/Waxy
3505017	Decapitation
3505019	Deformity
3505021	Drainage
3505023	Foreign Body
3505029	Laceration
3505031	Mass/Lesion
3505033	Normal
3505035	Not Done
3505037	Pain
3505039	Puncture/Stab Wound
3505045	Gunshot Wound
3505047	Crush Injury
3505049	Swelling
3505051	Contusion
3505053	Tenderness

Data Element Comment

Element eExam.05 - Head Assessment represents Version 2.2.1 elements E15_02 NHTSA Injury Matrix Head and E16_05 Head/Face Assessment. The element value choices have been combined and expanded.

eExam.06 - Face Assessment

Definition

The assessment findings associated with the patient's face.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3506001	Abrasion
3506003	Asymmetric Smile or Droop
3506005	Avulsion
3506007	Bleeding Controlled
3506009	Bleeding Uncontrolled
3506011	Burn-Blistering
3506013	Burn-Charring
3506015	Burn-Redness
3506017	Burn-White/Waxy
3506021	Deformity
3506023	Drainage
3506025	Foreign Body
3506031	Laceration
3506033	Mass/Lesion
3506035	Normal
3506037	Not Done
3506039	Pain
3506041	Puncture/Stab Wound
3506047	Gunshot Wound
3506049	Crush Injury
3506051	Tenderness
3506053	Swelling
3506055	Contusion

Data Element Comment

Element eExam.06 - Face Assessment represents Version 2.2.1 element E15_03 NHTSA Injury Matrix Face The element value choices have been expanded.

eExam.07 - Neck Assessment

Definition

The assessment findings associated with the patient's neck.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_06	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3507001	Abrasion
3507003	Avulsion
3507005	Bleeding Controlled
3507007	Bleeding Uncontrolled
3507009	Burn-Blistering
3507011	Burn-Charring
3507013	Burn-Redness
3507015	Burn-White/Waxy
3507017	Decapitation
3507019	Foreign Body
3507025	JVD
3507027	Laceration
3507029	Normal
3507031	Not Done
3507033	Pain
3507035	Puncture/Stab Wound
3507037	Stridor
3507039	Subcutaneous Air
3507045	Tracheal Deviation-Left
3507047	Tracheal Deviation-Right
3507049	Gunshot Wound
3507051	Crush Injury
3507053	Swelling
3507055	Contusion
3507057	Deformity
3507059	Tenderness

Data Element Comment

Element eExam.07 - Neck Assessment represents Version 2.2.1 elements E15_04 NHTSA Injury Matrix Neck and E16_06 Neck Assessment. The element value choices have been combined and expanded.

eExam.09 - Heart Assessment

Definition

The assessment findings associated with the patient's heart.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_08	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3509001	Clicks
3509003	Heart Sounds Decreased
3509005	Murmur-Diastolic
3509007	Murmur-Systolic
3509009	Normal
3509011	Not Done
3509013	Rubs
3509015	S1
3509017	S2
3509019	S3
3509021	S4

Data Element Comment

Element eExam.09 - Heart Assessment represents Version 2.2.1 element E16_08 Heart Assessment. The element value choices have been expanded.

eExam.10 - Abdominal Assessment Finding Location

Definition

The location of the patient's abdomen assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3510001	Generalized
3510003	Left Lower Quadrant
3510005	Left Upper Quadrant
3510007	Periumbilical
3510009	Right Lower Quadrant
3510011	Right Upper Quadrant
3510013	Epigastric

Data Element Comment

"Element eExam.10 - Abdominal Assessment Finding Location represents Version 2.2.1 elements E15_06 NHTSA Injury Matrix Abdomen AND E16_09 Abdomen Left Upper Assessment, E16_10 Abdomen Left Lower Assessment,E16_11 Abdomen Right Upper Assessment, and E16_12 Abdomen Right Lower Assessment. The element value choices have been combined and expanded."

eExam.11 - Abdomen Assessment

Definition

The assessment findings associated with the patient's abdomen.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3511001	Abrasion
3511003	Avulsion
3511005	Bleeding Controlled
3511007	Bleeding Uncontrolled
3511009	Bowel Sounds-Absent
3511011	Bowel Sounds-Present
3511013	Burn-Blistering
3511015	Burn-Charring
3511017	Burn-Redness
3511019	Burn-White/Waxy
3511021	Distention
3511023	Foreign Body
3511025	Guarding
3511031	Laceration
3511033	Mass/Lesion
3511035	Mass-Pulsating
3511037	Normal
3511039	Not Done
3511041	Pain
3511043	Pregnant-Palpable Uterus
3511045	Puncture/Stab Wound
3511051	Tenderness
3511053	Gunshot Wound
3511055	Crush Injury
3511057	Swelling
3511059	Contusion
3511061	Deformity
3511063	Rebound Tenderness
3511065	Rigidity

Data Element Comment

"Element eExam.11 - Abdomen Assessment represents Version 2.2.1 elements E15_06 NHTSA Injury Matrix Abdomen AND E16_09 Abdomen Left Upper Assessment, E16_10 Abdomen Left Lower Assessment,E16_11 Abdomen Right Upper Assessment, and E16_12 Abdomen Right Lower Assessment. The element value choices have been combined and expanded."

eExam.12 - Pelvis/Genitourinary Assessment

Definition

The assessment findings associated with the patient's pelvis/genitourinary.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_13	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3512001	Abrasion
3512003	Avulsion
3512005	Bleeding Controlled
3512007	Bleeding Uncontrolled
3512009	Bleeding-Rectal
3512011	Bleeding-Urethral
3512013	Bleeding-Vaginal
3512015	Burn-Blistering
3512017	Burn-Charring
3512019	Burn-Redness
3512021	Burn-White/Waxy
3512023	Deformity
3512025	Foreign Body
3512027	Genital Injury
3512033	Laceration
3512035	Mass/Lesion
3512037	Normal
3512039	Not Done
3512041	Pain
3512043	Pelvic Fracture
3512045	Pelvic Instability
3512047	Penile Priapism/Erection
3512049	Pregnant-Crowning
3512051	Puncture/Stab Wound
3512057	Tenderness
3512059	Gunshot Wound
3512061	Crush Injury
3512063	Swelling
3512065	Contusion

Data Element Comment

Element eExam.12 - Pelvis/Genitourinary Assessment represents Version 2.2.1 elements E15_09 NHTSA Injury Matrix Pelvis and E16_13 GU Assessment. The element value choices have been combined and expanded.

eExam.13 - Back and Spine Assessment Finding Location

Definition

The location of the patient's back and spine assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3513001	Back-General
3513003	Cervical-Left
3513005	Cervical-Midline
3513007	Cervical-Right
3513009	Lumbar-Left
3513011	Lumbar-Midline
3513013	Lumbar-Right
3513015	Thoracic-Left
3513017	Thoracic-Midline
3513019	Thoracic-Right
3513021	Sacral-Left
3513023	Sacral-Midline
3513025	Sacral-Right
3513029	Flank-Left
3513031	Flank-Right

Data Element Comment

Element eExam.14 - Back and Spine Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_07 Spine and E15_05 Thorax AND E16_14 Back Cervical Assessment, E16_15 Back Thoracic Assessment, and E16_16 Back Lumbar/Sacral Assessment. The element value choices have been combined and expanded.

eExam.14 - Back and Spine Assessment

Definition

The assessment findings associated with the patient's spine (Cervical, Thoracic, Lumbar, and Sacral) and back exam.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_14	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3514001	Abrasion
3514003	Avulsion
3514005	Bleeding Controlled
3514007	Bleeding Uncontrolled
3514009	Burn-Blistering
3514011	Burn-Charring
3514013	Burn-Redness
3514015	Burn-White/Waxy
3514017	Deformity
3514019	Foreign Body
3514025	Laceration
3514027	Normal
3514029	Not Done
3514031	Pain
3514033	Pain with Range of Motion
3514035	Puncture/Stab Wound
3514041	Tenderness Costovertebral Angle
3514043	Tenderness Midline Spinous Process
3514045	Tenderness Paraspinous
3514047	Gunshot Wound
3514049	Crush Injury
3514051	Swelling
3514053	Contusion
3514055	Tenderness

Data Element Comment

Element eExam.14 - Back and Spine Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_07 Spine and E15_05 Thorax AND E16_14 Back Cervical Assessment, E16_15 Back Thoracic Assessment, and E16_16 Back Lumbar/Sacral Assessment. The element value choices have been combined and expanded.

eExam.15 - Extremity Assessment Finding Location

Definition

The location of the patient's extremity assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3515001	Ankle-Left
3515003	Ankle-Right
3515005	Arm-Upper-Left
3515007	Arm-Upper-Right
3515009	Elbow-Left
3515011	Elbow-Right
3515013	Finger-2nd (Index)-Left
3515015	Finger-2nd (Index)-Right
3515017	Finger-3rd (Middle)-Left
3515019	Finger-3rd (Middle)-Right
3515021	Finger-4th (Ring)-Left
3515023	Finger-4th (Ring)-Right
3515025	Finger-5th (Smallest)-Left
3515027	Finger-5th (Smallest)-Right
3515029	Foot-Dorsal-Left
3515031	Foot-Dorsal-Right
3515033	Foot-Plantar-Left
3515035	Foot-Plantar-Right
3515037	Arm-Lower-Left
3515039	Arm-Lower-Right
3515041	Hand-Dorsal-Left
3515043	Hand-Dorsal-Right
3515045	Hand-Palm-Left
3515047	Hand-Palm-Right
3515049	Hip-Left
3515051	Hip-Right
3515053	Knee-Left
3515055	Knee-Right
3515057	Leg-Lower-Left
3515059	Leg-Lower-Right
3515061	Leg-Upper-Left
3515063	Leg-Upper-Right
3515065	Shoulder-Left
3515067	Shoulder-Right
3515069	Thumb-Left
3515071	Thumb-Right
3515073	Toe-1st (Big)-Left
3515075	Toe-1st (Big)-Right
3515077	Toe-2nd-Left
3515079	Toe-2nd-Right
3515081	Toe-3rd-Left
3515083	Toe-3rd-Right
3515085	Toe-4th-Left
3515087	Toe-4th-Right
3515089	Toe-5th (Smallest)-Left
3515091	Toe-5th (Smallest)-Right
3515093	Wrist-Left
3515095	Wrist-Right
3515097	Arm-Whole Arm and Hand-Left
3515099	Arm-Whole Arm and Hand-Right
3515101	Hand-Whole Hand-Left

3515103	Hand-Whole Hand-Right
3515105	Leg-Whole Leg-Left
3515107	Leg-Whole Leg-Right
3515109	Foot-Whole Foot-Left
3515111	Foot-Whole Foot-Right

Data Element Comment

Element eExam.16 - Extremities Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_08 Upper Extremities and E15_10 Lower Extremities AND E16_17 Extremities-Right Upper Assessment, E16_18 Extremities-Right Lower Assessment, E16_19 Extremities-Left Upper Assessment, and E16_20 Extremities-Left Lower Assessment. The element value choices have been combined and expanded.

eExam.16 - Extremities Assessment

Definition

The assessment findings associated with the patient's extremities.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_17	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3516001	Abrasion
3516003	Amputation-Acute
3516005	Amputation-Previous
3516007	Avulsion
3516009	Bleeding Controlled
3516011	Bleeding Uncontrolled
3516013	Burn-Blistering
3516015	Burn-Charring
3516017	Burn-Redness
3516019	Burn-White/Waxy
3516021	Clubbing (of fingers)
3516023	Crush Injury
3516025	Deformity
3516027	Dislocation
3516029	Edema
3516031	Foreign Body
3516033	Fracture-Closed
3516035	Fracture-Open
3516041	Laceration
3516043	Motor Function-Abnormal/Weakness
3516045	Motor Function-Absent
3516047	Motor Function-Normal
3516049	Normal
3516051	Not Done
3516053	Pain
3516055	Paralysis
3516057	Pulse-Abnormal
3516059	Pulse-Absent
3516061	Pulse-Normal
3516063	Puncture/Stab Wound
3516065	Sensation-Abnormal
3516067	Sensation-Absent
3516069	Sensation-Normal
3516075	Tenderness
3516077	Gunshot Wound
3516079	Swelling
3516081	Contusion
3516083	Arm Drift
3516085	Cool/Cold to Touch
3516087	Cyanosis
3516089	Erythema/Flushing
3516091	Hot/Warm to Touch
3516093	Lividity
3516095	Mottled

3516097 Pale

Data Element Comment

Element eExam.16 - Extremities Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_08 Upper Extremities and E15_10 Lower Extremities AND E16_17 Extremities-Right Upper Assessment, E16_18 Extremities-Right Lower Assessment, E16_19 Extremities-Left Upper Assessment, and E16_20 Extremities-Left Lower Assessment. The element value choices have been combined and expanded.

eExam.17 - Eye Assessment Finding Location

Definition

The location of the patient's eye assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3517001	Bilateral
3517003	Left
3517005	Right

Data Element Comment

Element eExam.17 - Eye Assessment Finding Location represents Version 2.2.1 elements E16_21 Eyes-Left Assessment and E16_22 Eyes-Right Assessment. The eye location value choices have been expanded.

eExam.18 - Eye Assessment

Definition

The assessment findings of the patient's eye examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_21	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3518001	1-mm
3518003	2-mm
3518005	3-mm
3518007	4-mm
3518009	5-mm
3518011	6-mm
3518013	7-mm
3518015	8-mm or >
3518017	Blind
3518019	Cataract Present
3518021	Clouded
3518023	Deformity
3518025	Dysconjugate Gaze
3518027	Foreign Body
3518029	Glaucoma Present
3518031	Hyphema
3518033	Jaundiced Sclera
3518035	Missing
3518037	Non-Reactive
3518039	Not Done
3518041	Non-Reactive Prosthetic
3518043	Nystagmus Noted
3518045	Open Globe
3518047	PERRL
3518049	Pupil-Irregular/Teardrop
3518051	Reactive
3518053	Sluggish
3518055	Swelling
3518057	Contusion
3518059	Puncture/Stab Wound
3518061	Dilated
3518063	Pin Point

Data Element Comment

Element eExam.18 - Eye Assessment represents Version 2.2.1 elements E16_21 Eyes-Left Assessment and E16_22 Eyes-Right Assessment. The eye assessment value choices have been combined and expanded.

eExam.22 - Lung Assessment Finding Location

Definition

The location of the patient's lung assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3522001	Left
3522003	Right
3522005	Bilateral

Data Element Comment

eExam.23 - Lung Assessment

Definition

The assessment findings associated with the patient's lungs.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3523001	Breath Sounds-Absent
3523003	Breath Sounds-Decreased
3523005	Breath Sounds-Equal
3523007	Breath Sounds-Normal
3523009	Foreign Body
3523011	Increased Respiratory Effort
3523013	Normal
3523015	Not Done
3523017	Pain
3523019	Pain with Inspiration/Expiration
3523021	Rales
3523023	Rhonchi
3523025	Rhonchi/Wheezing
3523027	Stridor
3523029	Wheezing-Expiratory
3523031	Wheezing-Inspiratory

Data Element Comment

eExam.24 - Chest Assessment Finding Location

Definition

The location of the patient's chest assessment findings.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3524001	Left - Anterior
3524003	~~Left - Posterior~~ (DEPRECATED)
3524005	Right - Anterior
3524007	~~Right - Posterior~~ (DEPRECATED)
3524009	General - Anterior
3524011	General - Posterior
3524013	Left - Side
3524015	Right - Side

Data Element Comment

eExam.25 - Chest Assessment

Definition

The assessment findings associated with the patient's chest.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3525001	Abrasion
3525003	Avulsion
3525005	Accessory Muscles Used with Breathing
3525007	Bleeding Controlled
3525009	Bleeding Uncontrolled
3525011	Burn-Blistering
3525013	Burn-Charring
3525015	Burn-Redness
3525017	Burn-White/Waxy
3525019	Crush Injury
3525021	Deformity
3525023	Flail Segment
3525025	Implanted Device
3525027	Laceration
3525029	Normal
3525031	Not Done
3525033	Pain
3525035	Pain with Inspiration/Expiration
3525037	Puncture/Stab Wound
3525039	Retraction
3525041	Tenderness
3525043	Gunshot Wound
3525045	Swelling
3525047	Contusion
3525049	~~Tenderness-General~~ (DEPRECATED)

Data Element Comment

eExam.19 - Mental Status Assessment

Definition

The assessment findings of the patient's mental status examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_23	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Cardiac Arrest Stroke

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3519001	Combative
3519003	Confused
3519005	Hallucinations
3519007	Normal Baseline for Patient
3519009	Not Done
3519011	Oriented-Person
3519013	Oriented-Place
3519015	Oriented-Event
3519017	Oriented-Time
3519021	Unresponsive
3519023	Agitation
3519025	Somnolent
3519027	Stupor
3519029	Altered mental status, unspecified
3519031	Developmentally Impaired
3519033	Disorientation, unspecified
3519035	Pharmacologically Paralyzed
3519037	Pharmacologically Sedated
3519039	Psychologically Impaired
3519041	Slowness and poor responsiveness
3519043	State of emotional shock and stress, unspecified
3519045	Strange and inexplicable behavior
3519047	Uncooperative
3519049	Unspecified coma

Data Element Comment

Element eExam.19 - Mental Status Assessment represents Version 2.2.1 element E16_23 Mental Status Assessment. The element value choices have been expanded.

eExam.20 - Neurological Assessment

Definition

The assessment findings of the patient's neurological examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	No
Version 2 Element	E16_24	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Cardiac Arrest Stroke

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3520001	Aphagia
3520003	Aphasia
3520005	Cerebellar Function-Abnormal
3520007	Cerebellar Function-Normal
3520009	Decerebrate Posturing
3520011	Decorticate Posturing
3520013	Gait-Abnormal
3520015	Gait-Normal
3520017	Hemiplegia-Left
3520019	Hemiplegia-Right
3520021	Normal Baseline for Patient
3520023	Not Done
3520026	Status Seizure
3520055	Other Seizures
3520027	Speech Normal
3520029	Speech Slurring
3520031	Strength-Asymmetric
3520033	Strength-Normal
3520035	Strength-Symmetric
3520037	Tremors
3520039	Weakness-Facial Droop-Left
3520041	Weakness-Facial Droop-Right
3520043	Weakness-Left Sided
3520045	Weakness-Right Sided
3520051	Arm Drift-Left
3520053	Arm Drift-Right

Data Element Comment

Element eExam.20 - Neurological Assessment represents Version 2.2.1 element E16_24 Neurological Assessment. The element value choices have been expanded.

State

eExam.21 - Stroke/CVA Symptoms Resolved

Definition

Indication if the Stroke/CVA Symptoms resolved and when.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Pertinent Negatives (PN)

8801023 - Unable to Complete

Code List

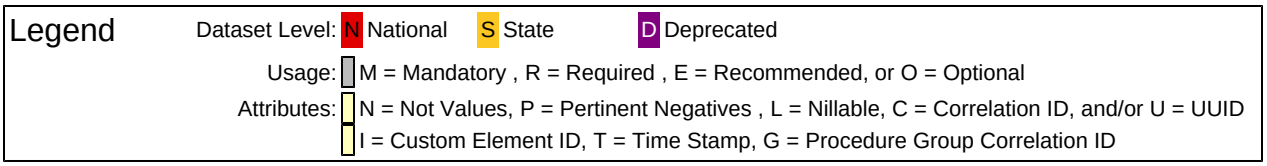
Code	Description
3521001	No
3521003	Yes-Resolved Prior to EMS Arrival
3521005	Yes-Resolved in EMS Presence

Data Element Comment

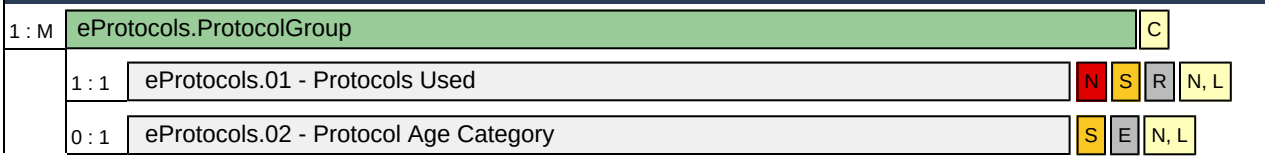
Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Stroke/CVA Symptoms Resolved is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Stroke/CVA Symptoms Resolved has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Stroke/CVA Symptoms Resolved has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eProtocols



eProtocols



eProtocols

State National

eProtocols.01 - Protocols Used

Definition

The protocol used by EMS personnel to direct the clinical care of the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E17_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control

9914085	Injury-Burns-Thermal
9914087	Injury-Cardiac Arrest
9914089	Injury-Crush Syndrome
9914091	Injury-Diving Emergencies
9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099	Injury-Eye
9914101	Injury-Head
9914103	Injury-Impaled Object
9914105	Injury-Multisystem
9914107	Injury-Spinal Cord
9914109	Medical-Abdominal Pain
9914111	Medical-Allergic Reaction/Anaphylaxis
9914113	Medical-Altered Mental Status
9914115	Medical-Bradycardia
9914117	Medical-Cardiac Chest Pain
9914119	Medical-Diarrhea
9914121	Medical-Hyperglycemia
9914123	Medical-Hypertension
9914125	Medical-Hypoglycemia/Diabetic Emergency
9914127	Medical-Hypotension/Shock (Non-Trauma)
9914129	Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/Reactive Airway
9914141	Medical-Seizure
9914143	Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145	Medical-Stroke/TIA
9914147	Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159	OB/GYN-Gynecologic Emergencies
9914161	OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173	Exposure-Smoke Inhalation
9914175	General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected
9914189	General-Refusal of Care
9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203	Injury-Conducted Electrical Weapon (e.g., Taser)
9914205	Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219	Medical-Opioid Poisoning/Overdose
9914221	Medical-Respiratory Distress-Bronchiolitis

9914223 Medical-Respiratory Distress-Croup
9914225 Medical-Stimulant Poisoning/Overdose

Data Element Comment

Protocols are grouped into Airway, Cardiac, Environmental, Exposure, General, Injury, Medical, and OB/GYN.

There is a new data element eProtocols.02 to indicate whether the protocol is Adult, Pediatric, or General (both).

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes. The protocol code list should be derived from dConfiguration.05 and/or dConfiguration.10

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Protocols Used is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Protocols Used has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eProtocols.02 - Protocol Age Category

Definition

The age group the protocol is written to address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
3602001	Adult Only
3602003	General
3602005	Pediatric Only

Data Element Comment

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN. -There is a new data element to indicate whether the protocol is Adult, Pediatric, or General (both).

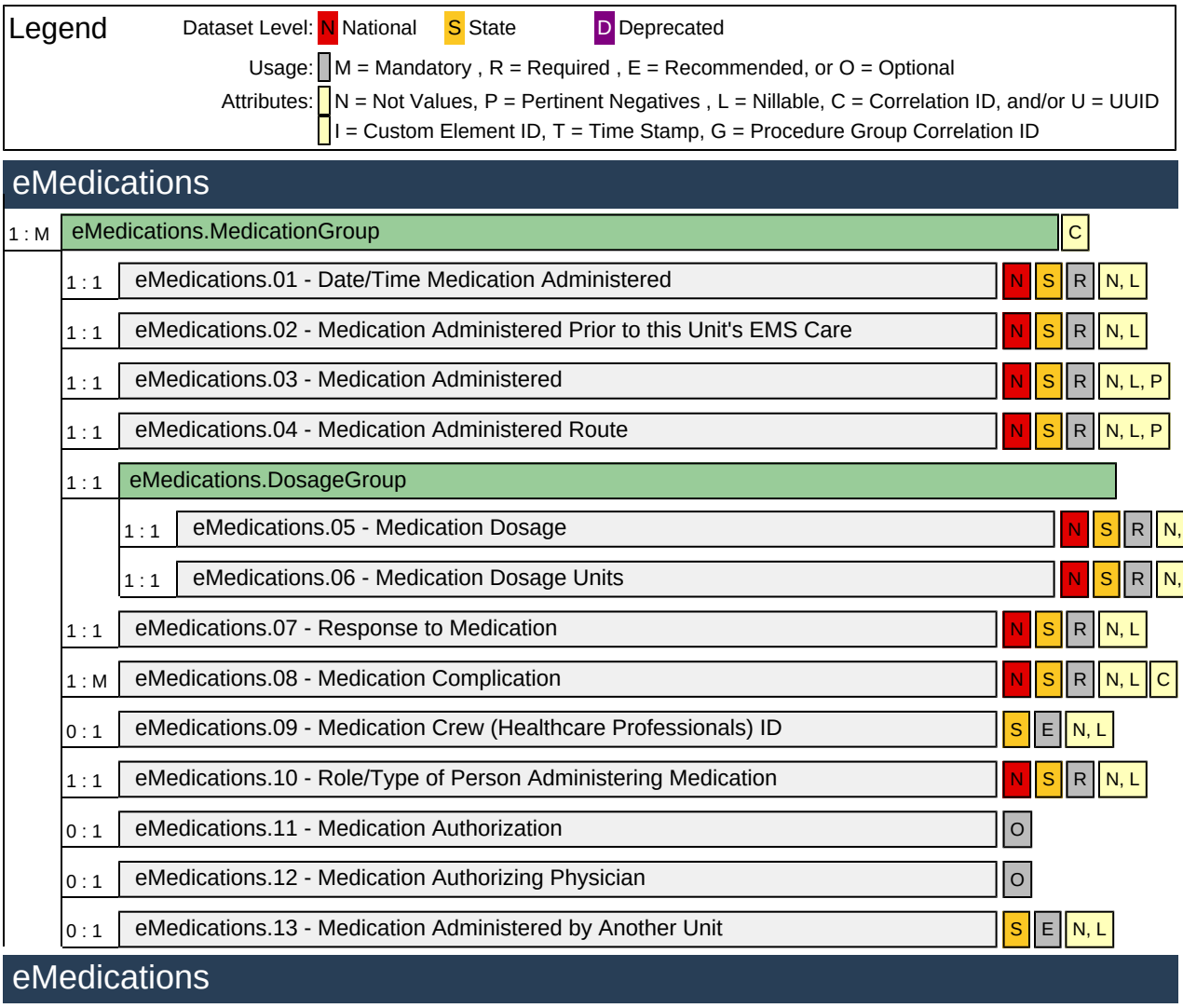
Version 3 Changes Implemented

Added to better document protocol use.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Protocol Age Category is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Protocol Age Category has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eMedications


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eMedications
1 : M
eMedications.MedicationGroup
C
1 : 1
eMedications.01 - Date/Time Medication Administered
N S R N, L
1 : 1
eMedications.02 - Medication Administered Prior to this Unit's EMS Care
N S R N, L
1 : 1
eMedications.03 - Medication Administered
N S R N, L, P
1 : 1
eMedications.04 - Medication Administered Route
N S R N, L, P
1 : 1
eMedications.DosageGroup
1 : 1
eMedications.05 - Medication Dosage
N S R N, L
1 : 1
eMedications.06 - Medication Dosage Units
N S R N, L
1 : 1
eMedications.07 - Response to Medication
N S R N, L
1 : M
eMedications.08 - Medication Complication
N S R N, L C
0 : 1
eMedications.09 - Medication Crew (Healthcare Professionals) ID
S E N, L
1 : 1
eMedications.10 - Role/Type of Person Administering Medication
N S R N, L
0 : 1
eMedications.11 - Medication Authorization
O
0 : 1
eMedications.12 - Medication Authorizing Physician
O
0 : 1
eMedications.13 - Medication Administered by Another Unit
S E N, L
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}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Associated Validation Rules

Rule ID	Level	Message
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".

State National

eMedications.02 - Medication Administered Prior to this Unit's EMS Care

Definition

Indicates that the medication administration which is documented was administered prior to this EMS units care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Medication Administered Prior to this Unit's EMS Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Medication Administered Prior to this Unit's EMS Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
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".
nemSch_e146	Warning	Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e147	Warning	Medication Dosage should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e148	Warning	Medication Dosage Units should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

nemSch_e150	Warning	Role/Type of Person Administering Medication 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 Type	minLength	maxLength
string	2	9

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

Associated Validation Rules

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.
nemSch_e143	Error	Medication Administered should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_e144	Error	Medication Administered should be a SNOMED code specifically allowed in the data dictionary 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.

State 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: http://www.sciencedirect.com/science/article/pii/S0196064498703178. The list can be found on page 152 of 274 of the PDF document in Section 5, 5.13 Current Therapeutic Medication Route.

Associated Validation Rules

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	Error	When Medication Administered Route has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	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	Warning	Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

State National

eMedications.05 - Medication Dosage

Definition

The dose or amount of the medication administered to the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Constraints

Data Type	totalDigits	fractionDigits
decimal	9	3

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Medication Dosage is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	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".

State 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 (l)
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

Associated Validation Rules

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".

State National

eMedications.07 - Response to Medication

Definition

The patient's response to the medication.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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.

State National

eMedications.08 - Medication Complication

Definition

Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3708001	Altered Mental Status
3708003	Apnea
3708005	Bleeding
3708007	Bradycardia
3708009	Bradypnea
3708011	Diarrhea
3708013	Extravasation
3708015	Hypertension
3708017	Hyperthermia
3708019	Hypotension
3708021	Hypothermia
3708023	Hypoxia
3708025	Injury
3708029	Nausea
3708031	None
3708033	Other
3708035	Respiratory Distress
3708037	Tachycardia
3708039	Tachypnea
3708041	Vomiting
3708043	Itching
3708045	Urticaria

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
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_e009	Warning	When Medication Complication has a Not Value, no other value should be recorded.
nemSch_e149	Warning	When Medication Complication is "None", no other value should be recorded.

State

eMedications.09 - Medication Crew (Healthcare Professionals) ID

Definition

The statewide assigned ID number of the EMS crew member giving the treatment to the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_09	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

How should the state ID for an EMS professional be record when working on an event in 2 states. The ID used would typically be based on the EMS agency's state license specific to each EMS professional. Used for eProcedures.09 (Procedure Crew Members ID) as well.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Medication Crew (Healthcare Professionals) ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Medication Crew (Healthcare Professionals) ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eMedications.10 - Role/Type of Person Administering Medication

Definition

The type (level) of EMS or Healthcare Professional Administering the Medication. For medications administered prior to EMS arrival, this may be a non-EMS healthcare professional.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9905001	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.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Role/Type of Person Administering Medication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Role/Type of Person Administering Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e150	Warning	Role/Type of Person Administering Medication should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

eMedications.11 - Medication Authorization

Definition

The type of treatment authorization obtained.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E18_10	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9918001	On-Line (Remote Verbal Order)
9918003	On-Scene
9918005	Protocol (Standing Order)
9918007	Written Orders (Patient Specific)

Data Element Comment

eMedications.12 - Medication Authorizing Physician

Definition

The name of the authorizing physician ordering the medication administration if the order was provided by any manner other than protocol (standing order) in eMedications.11.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E18_11	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

State

eMedications.13 - Medication Administered by Another Unit

Definition

Indicates the medication was administered by someone other than the EMS clinicians in this EMS unit. This is not for prior to arrival medications, but for medications administered when multiple units/caregivers are on scene simultaneously providing patient care.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Medication Administered by Another Unit is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Medication Administered by Another Unit has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eProcedures

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eProcedures

1 : M	eProcedures.ProcedureGroup						C
1 : 1	eProcedures.01 - Date/Time Procedure Performed	N	S	R	N, L		
1 : 1	eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care	N	S	R	N, L		
1 : 1	eProcedures.03 - Procedure	N	S	R	N, L, P		
0 : 1	eProcedures.04 - Size of Procedure Equipment	O					
1 : 1	eProcedures.05 - Number of Procedure Attempts	N	S	R	N, L		
1 : 1	eProcedures.06 - Procedure Successful	N	S	R	N, L		
1 : M	eProcedures.07 - Procedure Complication	N	S	R	N, L	C	
1 : 1	eProcedures.08 - Response to Procedure	N	S	R	N, L		
0 : 1	eProcedures.09 - Procedure Crew Members ID	S	E	N, L			
1 : 1	eProcedures.10 - Role/Type of Person Performing the Procedure	N	S	R	N, L		
0 : 1	eProcedures.11 - Procedure Authorization	O					
0 : 1	eProcedures.12 - Procedure Authorizing Physician	O					
0 : 1	eProcedures.13 - Vascular Access Location	S	E	N, L			
0 : M	eProcedures.14 - Airway Placement Technique	S	E	N, L	C		
0 : 1	eProcedures.15 - Procedure Performed by Another Unit	S	E	N, L			

eProcedures

State 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}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Associated Validation Rules

Rule ID	Level	Message
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 EMS Care is "Yes".

State National

eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care

Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS units care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

Associated Validation Rules

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".

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 Type	maxInclusive	minInclusive
integer	999999999999999999	100000

Data Element Comment

Procedures which are recorded as a Vital Sign do not have to be documented in the Procedure Section.
Code list is represented in SNOMEDCT. Reference the NEMSIS Suggested Lists at:
https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

SNOMEDCT
Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
Product: Product - UMLS Metathesaurus

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e007	Error	When Procedure has a Pertinent Negative, it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e157	Warning	Procedure should be recorded when a procedure is performed.

eProcedures.04 - Size of Procedure Equipment

Definition

The size of the equipment used in the procedure on the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E19_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	20

Data Element Comment

Need business logic to require detail of size appropriate for the procedure.

eProcedures.05 - Number of Procedure Attempts

Definition

The number of attempts taken to complete a procedure or intervention regardless of success.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
integer	1	10

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
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.

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.

State National

eProcedures.07 - Procedure Complication

Definition

Any complication (abnormal effect on the patient) associated with the performance of the procedure on the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Pediatric Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3907001	Altered Mental Status
3907003	Apnea
3907005	Bleeding
3907007	Bradypnea
3907009	Diarrhea
3907011	Esophageal Intubation-immediately
3907013	Esophageal Intubation-other
3907015	Extravasation
3907017	Hypertension
3907019	Hyperthermia
3907021	Hypotension
3907023	Hypothermia
3907025	Hypoxia
3907027	Injury
3907031	Nausea
3907033	None
3907035	Other
3907039	Respiratory Distress
3907041	Tachycardia
3907043	Tachypnea
3907045	Vomiting
3907047	Bradycardia
3907049	Itching
3907051	Urticaria

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Procedure Complication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Procedure Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Procedure Complication has a Not Value, no other value should be recorded.

nemSch_e158	Warning	When Procedure Complication is "None", no other value should be recorded.

eProcedures.08 - Response to Procedure

Definition

The patient's response to the procedure.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Response to Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Response to Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eProcedures.09 - Procedure Crew Members ID

Definition

The statewide assigned ID number of the EMS crew member performing the procedure on the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_09	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

For an incident that occurs in multiple states, the certification ID number the EMS agency would typically use is based on the EMS agency's state license specific to each EMS professional. If the incident needs to be reported to each state, then the EMS Agency Number for each state should be submitted as well as the certification ID numbers for each EMS professional on the unit.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Procedure Crew Members ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Procedure Crew Members ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eProcedures.10 - Role/Type of Person Performing the Procedure

Definition

The type (level) of EMS or Healthcare Professional performing the procedure. For procedures performed prior to EMS arrival, this may be a non-EMS healthcare professional.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9905001	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 document the type of healthcare professional performing the procedure.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Role/Type of Person Performing the Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Role/Type of Person Performing the Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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".

eProcedures.11 - Procedure Authorization

Definition

The type of treatment authorization obtained.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E19_10	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9918001	On-Line (Remote Verbal Order)
9918003	On-Scene
9918005	Protocol (Standing Order)
9918007	Written Orders (Patient Specific)

Data Element Comment

eProcedures.12 - Procedure Authorizing Physician

Definition

The name of the authorizing physician ordering the procedure, if the order was provided by any manner other than protocol (standing order) in eProcedures.11.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E19_11	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

State

eProcedures.13 - Vascular Access Location

Definition

The location of the vascular access site attempt on the patient, if applicable.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_12	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
3913001	Antecubital-Left
3913003	Antecubital-Right
3913005	External Jugular-Left
3913007	External Jugular-Right
3913009	Femoral-Left IV
3913011	Femoral-Right IV
3913013	Foot-Right
3913015	Foot-Left
3913017	Forearm-Left
3913019	Forearm-Right
3913021	Hand-Left
3913023	Hand-Right
3913025	Internal Jugular-Left
3913027	Internal Jugular-Right
3913029	IO-Iliac Crest-Left
3913031	IO-Iliac Crest-Right
3913033	IO-Femoral-Left Distal
3913035	IO-Femoral-Right Distal
3913037	IO-Humeral-Left
3913039	IO-Humeral-Right
3913041	IO-Tibia-Left Distal
3913043	IO-Sternum
3913045	IO-Tibia-Right Distal
3913047	IO-Tibia-Left Proximal
3913049	IO-Tibia-Right Proximal
3913051	Lower Extremity-Left
3913053	Lower Extremity-Right
3913055	Other Peripheral
3913057	Other Central (PICC, Portacath, etc.)
3913059	Scalp
3913061	Subclavian-Left
3913063	Subclavian-Right
3913065	Umbilical
3913067	Venous Cutdown-Left Lower Extremity
3913069	Venous Cutdown-Right Lower Extremity
3913071	Upper Arm-Left
3913073	Upper Arm-Right
3913075	Radial-Left
3913077	Radial-Right
3913079	Wrist-Left
3913081	Wrist-Right

Data Element Comment

This is now associated with the Date/Time of the procedure and therefore changed to single choice. This allows the location to

be documented with each procedure and attempt. If the vascular access has been established prior to EMS, this should be documented as such.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Vascular Access Location is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Vascular Access Location has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eProcedures.14 - Airway Placement Technique

Definition

The manner/equipment used during the placement of the advanced airway.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
3914001	Blind Digital Technique
3914003	Cross Finger Technique
3914005	Direct Laryngoscopy
3914007	Fiberoptic Laryngoscopy
3914009	Indirect Laryngoscopy
3914011	Video Laryngoscopy

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Airway Placement Technique is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Airway Placement Technique has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Airway Placement Technique has a Not Value, no other value should be recorded.

State

eProcedures.15 - Procedure Performed by Another Unit

Definition

Indicates the procedure was performed by someone other than the EMS clinicians in this EMS unit. This is not for prior to arrival procedures, but for procedures performed when multiple units/caregivers are on scene simultaneously providing patient care.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

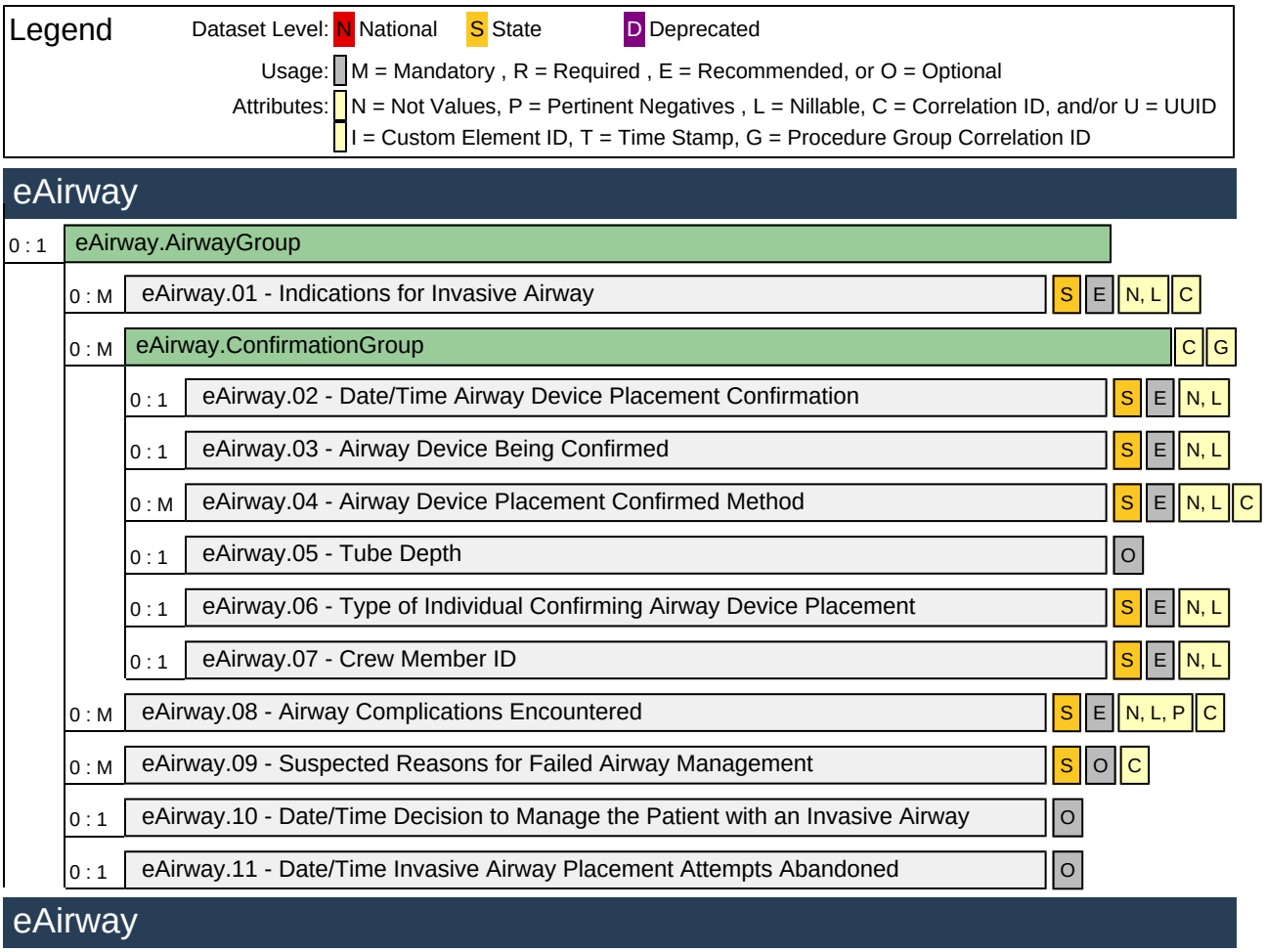
Data Element Comment

This is the method to document when care is provided by others when multiple units are present at the scene.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Procedure Performed by Another Unit is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Procedure Performed by Another Unit has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eAirway


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eAirway
0 : 1 eAirway.AirwayGroup
0 : M eAirway.01 - Indications for Invasive Airway S E N, L C
0 : M eAirway.ConfirmationGroup C G
0 : 1 eAirway.02 - Date/Time Airway Device Placement Confirmation S E N, L
0 : 1 eAirway.03 - Airway Device Being Confirmed S E N, L
0 : M eAirway.04 - Airway Device Placement Confirmed Method S E N, L C
0 : 1 eAirway.05 - Tube Depth O
0 : 1 eAirway.06 - Type of Individual Confirming Airway Device Placement S E N, L
0 : 1 eAirway.07 - Crew Member ID S E N, L
0 : M eAirway.08 - Airway Complications Encountered S E N, L, P C
0 : M eAirway.09 - Suspected Reasons for Failed Airway Management S O C
0 : 1 eAirway.10 - Date/Time Decision to Manage the Patient with an Invasive Airway O
0 : 1 eAirway.11 - Date/Time Invasive Airway Placement Attempts Abandoned O
eAirway

State

eAirway.01 - Indications for Invasive Airway

Definition

The clinical indication for performing invasive airway management.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4001001	Adequate Airway Reflexes/Effort, Potential for Compromise
4001003	Airway Reflex Compromised
4001005	Apnea or Agonal Respirations
4001007	Illness Involving Airway
4001009	Injury Involving Airway
4001011	Other
4001013	Ventilatory Effort Compromised

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Indications for Invasive Airway is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Indications for Invasive Airway has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Indications for Invasive Airway has a Not Value, no other value should be recorded.

State

eAirway.02 - Date/Time Airway Device Placement Confirmation

Definition

The date and time the airway device placement was confirmed.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

SAD=Supraglottic Airway Device

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message

nemSch_e001	Error	When Date/Time Airway Device Placement Confirmation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Date/Time Airway Device Placement Confirmation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eAirway.03 - Airway Device Being Confirmed

Definition

The airway device in which placement is being confirmed.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
4003001	Cricothyrotomy Tube
4003003	Endotracheal Tube
4003005	Other-Invasive Airway
4003007	SAD-Combitube
4003009	SAD-King
4003011	SAD-LMA
4003013	SAD-Other
4003015	Tracheostomy Tube

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management. SAD means Supraglottic Airway Device.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Airway Device Being Confirmed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Airway Device Being Confirmed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eAirway.04 - Airway Device Placement Confirmed Method

Definition

The method used to confirm the airway device placement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4004001	Auscultation
4004003	Bulb/Syringe Aspiration
4004005	Colorimetric ETCO2
4004007	Condensation in Tube
4004009	Digital (Numeric) ETCO2
4004011	Direct Re-Visualization of Tube in Place
4004013	Endotracheal Tube Whistle (BAAM, etc.)
4004015	Other
4004017	Visualization of Vocal Cords
4004019	Waveform ETCO2
4004021	Chest Rise

Data Element Comment

If the invasive airway is confirmed via multiple methods each method should be documented individually by time, method, and type of individual.

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Airway Device Placement Confirmed Method is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Airway Device Placement Confirmed Method has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Airway Device Placement Confirmed Method has a Not Value, no other value should be recorded.

eAirway.05 - Tube Depth

Definition

The measurement at the patient's teeth/lip of the tube depth in centimeters (cm) of the invasive airway placed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Constraints

Data Type	minInclusive	maxInclusive
integer	4	32

Data Element Comment

Tube Depth added to better document the initial placement of the airway device and subsequent assessments.

State

eAirway.06 - Type of Individual Confirming Airway Device Placement

Definition

The type of individual who confirmed the airway device placement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
4006001	Another Person on the Same Crew
4006003	Other
4006005	Person Performing Intubation
4006007	Receiving Air Medical/EMS Crew
4006009	Receiving Hospital Team

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Type of Individual Confirming Airway Device Placement is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Type of Individual Confirming Airway Device Placement has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eAirway.07 - Crew Member ID

Definition

The statewide assigned ID number of the EMS crew member confirming the airway placement.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Crew Member ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Crew Member ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eAirway.08 - Airway Complications Encountered

Definition

The airway management complications encountered during the patient care episode.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Pertinent Negatives (PN)
8801015 - None Reported

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4008001	Adverse Event from Facilitating Drugs
4008003	Bradycardia (<50)
4008005	Cardiac Arrest
4008007	Esophageal Intubation-Delayed Detection (After Tube Secured)
4008009	Esophageal Intubation-Detected in Emergency Department
4008011	Failed Intubation Effort
4008013	Injury or Trauma to Patient from Airway Management Effort
4008015	Other
4008017	Oxygen Desaturation (<90%)
4008019	Patient Vomiting/Aspiration
4008021	Tube Dislodged During Transport/Patient Care
4008023	Tube Was Not in Correct Position when EMS Crew/Team Assumed Care of the Patient

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Airway Complications Encountered is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Airway Complications Encountered has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When Airway Complications Encountered has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e009	Warning	When Airway Complications Encountered has a Not Value, no other value should be recorded.
nemSch_e010	Warning	When Airway Complications Encountered has a Pertinent Negative, no other value should be recorded.

State

eAirway.09 - Suspected Reasons for Failed Airway Management

Definition

The reason(s) the airway was unable to be successfully managed.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4009001	Difficult Patient Airway Anatomy
4009003	ETI Attempted, but Arrived At Destination Facility Before Accomplished
4009005	Facial or Oral Trauma
4009007	Inability to Expose Vocal Cords
4009009	Inadequate Patient Relaxation/Presence of Protective Airway Reflexes
4009011	Jaw Clenched (Trismus)
4009013	Other
4009015	Poor Patient Access
4009017	Secretions/Blood/Vomit
4009019	Unable to Position or Access Patient

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

eAirway.10 - Date/Time Decision to Manage the Patient with an Invasive Airway

Definition

The date and time the decision was made to manage the patient's airway with an invasive airway device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document airway management.

eAirway.11 - Date/Time Invasive Airway Placement Attempts Abandoned

Definition

The date and time that the invasive airway attempts were abandoned for the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

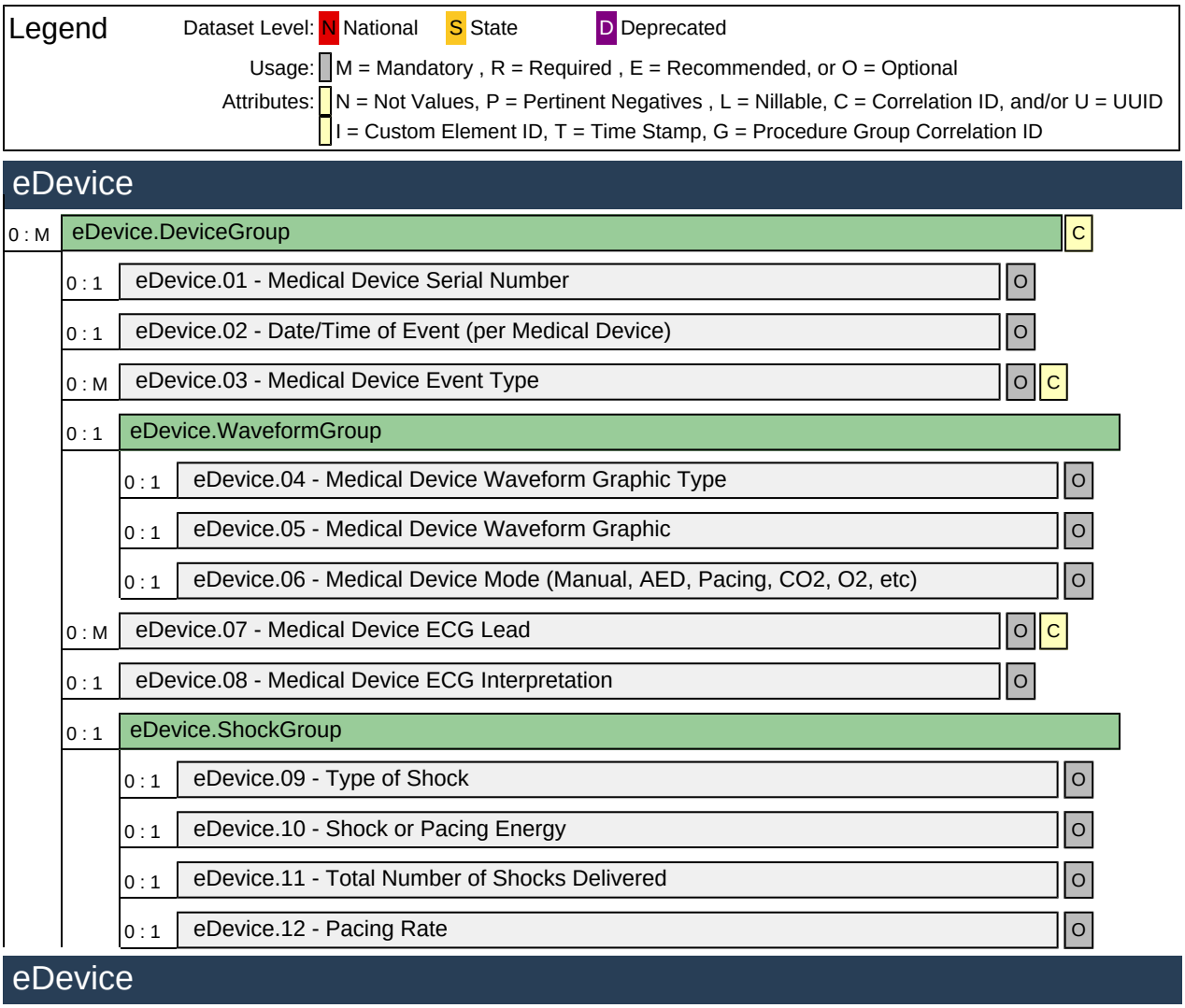
Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document airway management.

eDevice


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eDevice
0 : M
eDevice.DeviceGroup
C
0 : 1
eDevice.01 - Medical Device Serial Number
O
0 : 1
eDevice.02 - Date/Time of Event (per Medical Device)
O
0 : M
eDevice.03 - Medical Device Event Type
O
C
0 : 1
eDevice.WaveformGroup
0 : 1
eDevice.04 - Medical Device Waveform Graphic Type
O
0 : 1
eDevice.05 - Medical Device Waveform Graphic
O
0 : 1
eDevice.06 - Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc)
O
0 : M
eDevice.07 - Medical Device ECG Lead
O
C
0 : 1
eDevice.08 - Medical Device ECG Interpretation
O
0 : 1
eDevice.ShockGroup
0 : 1
eDevice.09 - Type of Shock
O
0 : 1
eDevice.10 - Shock or Pacing Energy
O
0 : 1
eDevice.11 - Total Number of Shocks Delivered
O
0 : 1
eDevice.12 - Pacing Rate
O

eDevice

eDevice.01 - Medical Device Serial Number

Definition

The unique manufacturer's serial number associated with a medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

eDevice.02 - Date/Time of Event (per Medical Device)

Definition

The time of the event recorded by the device's internal clock.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_01	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

eDevice.03 - Medical Device Event Type

Definition

The type of event documented by the medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_02	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4103001	12-Lead ECG
4103003	Analysis (Button Pressed)
4103005	CO2
4103007	Data Transmitted
4103009	Defibrillation
4103011	ECG-Monitor
4103013	Heart Rate
4103015	Invasive Pressure 1
4103017	Invasive Pressure 2
4103019	No Shock Advised
4103021	Non-Invasive BP
4103023	Other
4103025	Pacing Electrical Capture
4103027	Pacing Started
4103029	Pacing Stopped
4103031	Patient Connected
4103033	Power On
4103035	Pulse Oximetry
4103037	Pulse Rate
4103039	Respiratory Rate
4103041	Shock Advised
4103043	Sync Off
4103045	Sync On
4103047	Temperature 1
4103049	Temperature 2

Data Element Comment

Can be displayed in the Vital Signs or Procedure Sections.

eDevice.04 - Medical Device Waveform Graphic Type

Definition

The description of the waveform file stored in Waveform Graphic (eDevice.05).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_03	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d_image
Raster Image formats: http://www.fileinfo.com/filetypes/raster_image
Vector Image formats: http://www.fileinfo.com/filetypes/vector_image

Video formats: http://www.fileinfo.com/filetypes/video
Audio formats: http://www.fileinfo.com/filetypes/audio

Comparison of formats:
Image: http://en.wikipedia.org/wiki/Comparison_of_image_file_formats
Audio: http://en.wikipedia.org/wiki/Audio_file_format
Container: http://en.wikipedia.org/wiki/Comparison_of_container_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image_file_formats
Mime Types: http://en.wikipedia.org/wiki/Internet_media_type

eDevice.05 - Medical Device Waveform Graphic

Definition

The graphic waveform file.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data Type
base64Binary

Data Element Comment

eDevice.06 - Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc)

Definition

The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4106001	Advisory
4106003	Automated
4106005	Demand
4106007	Manual
4106009	Mid-Stream
4106011	Sensing
4106013	Side-Stream

Data Element Comment

eDevice.07 - Medical Device ECG Lead

Definition

The lead or source which the medical device used to obtain the rhythm (if appropriate for the event).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_06	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4107001	I
4107003	II
4107005	III
4107007	AVR
4107009	AVL
4107011	AVF
4107013	Paddle
4107015	Pads
4107017	V1
4107019	V2
4107021	V3
4107023	V3r
4107025	V4
4107027	V4r
4107029	V5
4107031	V5r
4107033	V6
4107035	V6r
4107037	V7
4107039	V8
4107041	V9

Data Element Comment

Can be displayed in the Vital Signs or Procedure Sections.

eDevice.08 - Medical Device ECG Interpretation

Definition

The interpretation of the rhythm by the device (if appropriate for the event).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_07	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI

Constraints

Data Type	minLength	maxLength
string	1	2000

Data Element Comment

The rhythm interpretation text imported from the device.

eDevice.09 - Type of Shock

Definition

The type of shock used by the device for the defibrillation (if appropriate for the event).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_08	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Code List

Code	Description
4109001	Biphasic
4109003	Monophasic

Data Element Comment

eDevice.10 - Shock or Pacing Energy

Definition

The energy (in joules) used for the shock or pacing (if appropriate for the event).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_09	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	5	1	1	9000

Data Element Comment

eDevice.11 - Total Number of Shocks Delivered

Definition

The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_10	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Constraints

Data Type	minInclusive	maxInclusive
integer	1	100

Data Element Comment

eDevice.12 - Pacing Rate

Definition

The rate the device was calibrated to pace during the event, if appropriate.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E21_11	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	1	1000

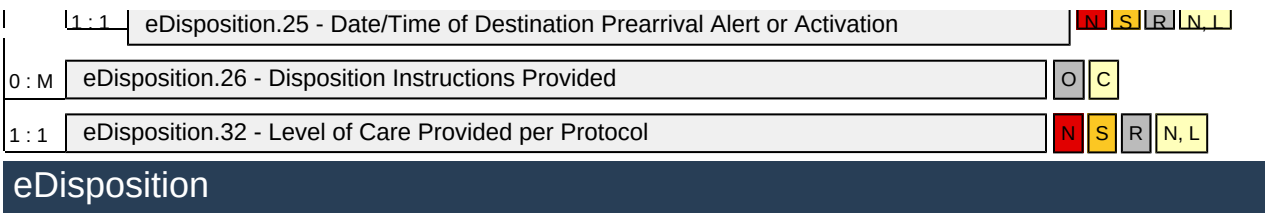
Data Element Comment

eDisposition

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

eDisposition

1 : 1	eDisposition.DestinationGroup					
0 : 1	eDisposition.01 - Destination/Transferred To, Name	S	E	N, L		
0 : 1	eDisposition.02 - Destination/Transferred To, Code	S	E	N, L		
0 : 1	eDisposition.03 - Destination Street Address	S	O			
0 : 1	eDisposition.04 - Destination City	S	O			
1 : 1	eDisposition.05 - Destination State	N	S	R	N, L	
1 : 1	eDisposition.06 - Destination County	N	S	R	N, L	
1 : 1	eDisposition.07 - Destination ZIP Code	N	S	R	N, L	
0 : 1	eDisposition.08 - Destination Country	O				
0 : 1	eDisposition.09 - Destination GPS Location	O				
0 : 1	eDisposition.10 - Destination Location US National Grid Coordinates	O				
0 : 1	eDisposition.11 - Number of Patients Transported in this EMS Unit	S	E	N, L		
1 : 1	eDisposition.IncidentDispositionGroup					
1 : 1	eDisposition.27 - Unit Disposition	N	S	M		
1 : 1	eDisposition.28 - Patient Evaluation/Care	N	S	R	N, L	
1 : 1	eDisposition.29 - Crew Disposition	N	S	R	N, L	
1 : 1	eDisposition.30 - Transport Disposition	N	S	R	N, L	
0 : M	eDisposition.31 - Reason for Refusal/Release	O	C			
0 : M	eDisposition.13 - How Patient Was Moved to Ambulance	O	C			
0 : M	eDisposition.14 - Position of Patient During Transport	O	C			
0 : M	eDisposition.15 - How Patient Was Moved From Ambulance	O	C			
1 : 1	eDisposition.16 - EMS Transport Method	N	S	R	N, L	
1 : 1	eDisposition.17 - Transport Mode from Scene	N	S	R	N, L	
1 : M	eDisposition.18 - Additional Transport Mode Descriptors	N	S	R	N, L	C
1 : 1	eDisposition.19 - Acuity Upon EMS Release of Patient	N	S	R	N, L	
1 : M	eDisposition.20 - Reason for Choosing Destination	N	S	R	N, L	C
1 : 1	eDisposition.21 - Type of Destination	N	S	R	N, L	
1 : 1	eDisposition.22 - Hospital In-Patient Destination	N	S	R	N, L	
1 : M	eDisposition.23 - Hospital Capability	N	S	R	N, L	C
1 : M	eDisposition.HospitalTeamActivationGroup	C				
1 : 1	eDisposition.24 - Destination Team Pre-Arrival Alert or Activation	N	S	R	N, L	



eDisposition

eDisposition.01 - Destination/Transferred To, Name

Definition

The destination the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Recommended State data element since no national code for destination. May be populated from the list in dFacility.02 (Facility Name).

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Destination/Transferred To, Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Destination/Transferred To, Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eDisposition.02 - Destination/Transferred To, Code

Definition

The code of the destination the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Destination/Transferred To, Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Destination/Transferred To, Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eDisposition.03 - Destination Street Address

Definition

The street address of the destination the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E20_03	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

May be auto-populated if list created in dFacility.07 (Facility Street Address).

eDisposition.04 - Destination City

Definition

The city of the destination the patient was delivered or transferred to (physical address).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E20_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eDisposition.05 - Destination State

Definition

The state of the destination the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{2}

Data Element Comment

Based on the ANSI Code. May be auto-populated if list created in dFacility.09 (Facility State).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Destination State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Destination State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e160	Warning	Destination State should be recorded when Transport Disposition is "Transport by This EMS Unit...".
nemSch_e162	Warning	Destination County should belong within the Destination State.

State National

eDisposition.06 - Destination County

Definition

The destination county in which the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}

Data Element Comment

May be auto-populated if list created in dFacility.11 (Facility County). Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

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	Warning	Destination County should be recorded when Transport Disposition is "Transport by This EMS Unit...".
nemSch_e162	Warning	Destination County should belong within the Destination State.

State National

eDisposition.07 - Destination ZIP Code

Definition

The destination ZIP code in which the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

May be auto-populated if list created in dFacility.10 (Facility ZIP Code).

ZIP Codes Product Website: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Destination ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Destination ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e163	Warning	Destination ZIP Code should be recorded when Transport Disposition is "Transport by This EMS Unit...".

eDisposition.08 - Destination Country

Definition

The country of the destination.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	length
string	2

Data Element Comment

May be auto-populated if list created in dFacility.12 (Facility Country).

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

Version 3 Changes Implemented

Added for improved international compatibility.

eDisposition.09 - Destination GPS Location

Definition

The destination GPS Coordinates to which the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_08	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?),(\+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9]|[0-9])(\.[0-9]{1,6})?)

Data Element Comment

May be auto-populated if list created in dFacility.13 (Facility GPS Location).

The pattern for GPS location is in the format "*latitude*,*longitude*" where:
- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

eDisposition.10 - Destination Location US National Grid Coordinates

Definition

The US National Grid Coordinates for the Destination Location. This may be the Healthcare Facility US National Grid Coordinates.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
([1-9][1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V]([0-9][0-9]){4,5}

Data Element Comment

Standard found at www.fgdc.gov/usng.
Through programming this may be partially auto-populated if the list is created in dFacility.14 (Facility US National Grid Coordinates).

State

eDisposition.11 - Number of Patients Transported in this EMS Unit

Definition

The number of patients transported by this EMS crew and unit.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	100

Data Element Comment

Added to document multiple patients being transported with the same vehicle and crew.

Version 3 Changes Implemented

Added to document multiple patients being transported with the same vehicle and crew.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Number of Patients Transported in this EMS Unit is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Number of Patients Transported in this EMS Unit has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eDisposition.27 - Unit Disposition

Definition

The unit disposition for an EMS event identifying whether patient contact was made by this EMS unit/crew.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
4227001	Patient Contact Made
4227003	Cancelled on Scene
4227005	Cancelled Prior to Arrival at Scene
4227007	No Patient Contact
4227009	No Patient Found
4227011	Non-Patient Incident (Not Otherwise Listed)

Data Element Comment

Grouped with Incident and Transport dispositions. Who provided care or services is defined in Incident Dispostion.

Version 3 Changes Implemented

Element added with the release of v3.5.0

Associated Validation Rules

Rule ID	Level	Message
nemSch_e018	Warning	Unit En Route Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e020	Warning	Unit Arrived on Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e023	Warning	Arrived at Patient Date/Time should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e025	Warning	Unit Left Scene Date/Time should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e067	Warning	Number of Patients at Scene should be "Multiple" or "Single" when Unit Disposition is "Patient Contact Made".
nemSch_e070	Warning	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e071	Warning	Incident State should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e072	Warning	Incident ZIP Code should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e073	Warning	Incident County should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e180	Warning	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".

State 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

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Patient Evaluation/Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Patient Evaluation/Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e057	Warning	Patient's Home County should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e059	Warning	Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e060	Warning	Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e062	Warning	Race should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e063	Warning	Age should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e064	Warning	Age Units should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e075	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_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 Result is "Positive".
nemSch_e087	Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".
nemSch_e089	Warning	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e093	Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e095	Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e100	Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e103	Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".
nemSch_e108	Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e115	Warning	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes...".
nemSch_e168	Warning	Acuity Upon EMS Release of Patient should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e180	Warning	Unit Disposition should be "Patient Contact Made" when Patient Evaluation/Care is "Patient Evaluated..." or "Patient Refused Evaluation/Care".
nemSch_e183	Warning	Patient Evaluation/Care should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e184	Warning	Patient Evaluation/Care should be "Patient Evaluated and Care Provided" when Crew Disposition contains "... Primary Care..." or "Provided Care Supporting Primary EMS Crew".
nemSch_e187	Warning	Level of Care Provided per Protocol should be recorded (with a value other than "No Care Provided") when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e193	Warning	Sex should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

State National

eDisposition.29 - Crew Disposition

Definition

The crew disposition for this EMS event identifying which crew provided primary patient care or whether support services were required.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4229001	Initiated and Continued Primary Care
4229003	Initiated Primary Care and Transferred to Another EMS Crew
4229005	Provided Care Supporting Primary EMS Crew
4229007	Assumed Primary Care from Another EMS Crew
4229009	Incident Support Services Provided (Including Standby)
4229011	Back in Service, No Care/Support Services Required
4229013	Back in Service, Care/Support Services Refused

Data Element Comment

Grouped with Patient and Transport Dispositions. Depending on context of the Value, "Unit" could be Vehicle or Service/Agency.

Version 3 Changes Implemented

Element added with the release of v3.5.0

Associated Validation Rules

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".

State National

eDisposition.30 - Transport Disposition

Definition

The transport disposition for an EMS event identifying whether a transport occurred and by which unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4230001	Transport by This EMS Unit (This Crew Only)
4230003	Transport by This EMS Unit, with a Member of Another Crew
4230005	Transport by Another EMS Unit/Agency
4230007	Transport by Another EMS Unit/Agency, with a Member of This Crew
4230009	Patient Refused Transport
4230011	Non-Patient Transport (Not Otherwise Listed)
4230013	No Transport

Data Element Comment

Grouped with Patient and Incident Dispositions. Provides a rapid filter for transport or no transport for incident evaluation, business entry rules and Schematron rules.

Version 3 Changes Implemented

Element added with the release of v3.5.0

Associated Validation Rules

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_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 Unit...".
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".

eDisposition.31 - Reason for Refusal/Release

Definition

Describes reason(s) for the patient's refusal of care/transport OR the EMS clinician's decision to release the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4231001	Against Medical Advice
4231003	Patient/Guardian Indicates Ambulance Transport is Not Necessary
4231005	Released Following Protocol Guidelines
4231007	Released to Law Enforcement
4231009	Patient/Guardian States Intent to Transport by Other Means
4231011	DNR
4231013	Medical/Physician Orders for Life Sustaining Treatment
4231015	Other, Not Listed
4231017	Patient Elopement

Data Element Comment

This works in combination with the dispositions and signatures to provide general categories for the patient refusal. Specific legal refusal language should be developed by the agency's legal counsel and provided to the patient or guardian upon refusal per local policies.

Version 3 Changes Implemented

Element added with the release of v3.5.0

eDisposition.13 - How Patient Was Moved to Ambulance

Definition

The method by which the patient was moved to the ambulance from the scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_11	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9909001	Assisted/Walk
9909003	Backboard
9909005	Chair
9909007	Carried
9909009	Other
9909011	Stairchair
9909013	Stretcher
9909015	Wheelchair

Data Element Comment

eDisposition.14 - Position of Patient During Transport

Definition

The position of the patient during transport from the scene.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_12	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4214001	Car Seat
4214003	Fowlers (Semi-Upright Sitting)
4214005	Lateral Left
4214007	Lateral Right
4214009	Other
4214011	Prone
4214013	Semi-Fowlers
4214015	Sitting
4214017	Supine
4214019	Trendelenburg
4214021	Pediatric Ambulance Restraint Device
4214023	Neonatal Ambulance Restraint Device
4214025	Patient's Car Seat
4214027	Ambulance Integrated Car Seat

Data Element Comment

eDisposition.15 - How Patient Was Moved From Ambulance

Definition

The method by which the patient was moved from the ambulance to the destination.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E20_13	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9909001	Assisted/Walk
9909003	Backboard
9909005	Chair
9909007	Carried
9909009	Other
9909011	Stairchair
9909013	Stretcher
9909015	Wheelchair

Data Element Comment

State National

eDisposition.16 - EMS Transport Method

Definition

The method of transport by this EMS Unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4216001	Air Medical-Fixed Wing
4216003	Air Medical-Rotor Craft
4216005	Ground-Ambulance
4216007	Ground-ATV or Rescue Vehicle
4216009	Ground-Bariatric
4216011	Ground-Other Not Listed
4216013	Ground-Mass Casualty Bus/Vehicle
4216015	Ground-Wheelchair Van
4216017	Water-Boat

Data Element Comment

Required if the patient is transported by EMS.

Version 3 Changes Implemented

Added to better describe Air and Ground Transport methods.

Associated Validation Rules

Rule ID	Level	Message
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".

State National

eDisposition.17 - Transport Mode from Scene

Definition

Indication whether the transport was emergent or non-emergent.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4217001	Emergent (Immediate Response)
4217003	Emergent Downgraded to Non-Emergent
4217005	Non-Emergent
4217007	Non-Emergent Upgraded to Emergent

Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	Error	When Transport Mode from Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
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".

State National

eDisposition.18 - Additional Transport Mode Descriptors

Definition

The documentation of transport mode techniques for this EMS response.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4218001	Intersection Navigation-Against Normal Light Patterns
4218003	Intersection Navigation-With Automated Light Changing Technology
4218005	Intersection Navigation-With Normal Light Patterns
4218007	Speed-Enhanced per Local Policy
4218009	Speed-Normal Traffic
4218011	Lights and Sirens
4218013	Lights and No Sirens
4218015	No Lights or Sirens
4218017	Initial No Lights or Sirens, Upgraded to Lights and Sirens
4218019	Initial Lights and Sirens, Downgraded to No Lights or Sirens

Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Additional Transport Mode Descriptors is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Additional Transport Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Additional Transport Mode Descriptors has a Not Value, no other value should be recorded.

State National

eDisposition.19 - Acuity Upon EMS Release of Patient

Definition

The acuity of the patient's condition after this EMS unit's release of the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4219001	Critical (Red)
4219003	Emergent (Yellow)
4219005	Lower Acuity (Green)
4219007	Dead without Resuscitation Efforts (Black)
4219009	Dead with Resuscitation Efforts (Black)
4219011	Non-Acute/Routine

Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at https://www.ems.gov/assets/National_EMS_Core_Content.pdf

Dead without Resuscitation Efforts would be appropriate if resuscitation was initiated by non-EMS personnel but discontinued immediately upon evaluation by first arriving EMS personnel.

"Non-Acute/Routine" added for use with patients with no clinical issues-such as a refusal for a lift assist-or for routine transfers. "Dead with Resuscitation Efforts (Black)" added for EMS units that arrived and provided resuscitation to a critical patient, but who was deceased at the end of the event (such as in a cardiac arrest).

Version 3 Changes Implemented

With the release of v3.5.0 additional values were added to meet the needs of EMS.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Acuity Upon EMS Release of Patient is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Acuity Upon EMS Release of Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e168	Warning	Acuity Upon EMS Release of Patient should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

eDisposition.20 - Reason for Choosing Destination

Definition

The reason(s) this EMS unit delivered or transferred the patient to the destination.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4220001	Closest Facility
4220003	Diversion
4220005	Family Choice
4220007	Insurance Status/Requirement
4220009	Law Enforcement Choice
4220011	On-Line/On-Scene Medical Direction
4220013	Other
4220015	Patient's Choice
4220017	Patient's Physician's Choice
4220019	Protocol
4220021	Regional Specialty Center

Data Element Comment

Required if the patient was transported. This NEMSIS data element has no relationship to the 5010 CMS claim file data element. Please refer to ePayment.44 Ambulance Transport Reason Code for billing purposes.

Associated Validation Rules

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	Error	When Reason for Choosing Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Reason for Choosing Destination has a Not Value, no other value should be recorded.
nemSch_e169	Warning	Reason for Choosing Destination should be recorded when Transport Disposition is "Transport by This EMS Unit...".

State National

eDisposition.21 - Type of Destination

Definition

The type of destination the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_17	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4221001	Home
4221003	Hospital-Emergency Department
4221005	Hospital-Non-Emergency Department Bed
4221007	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
4221041	Skilled Nursing Facility

Data Element Comment

Required if Patient Transported by EMS.

Version 3 Changes Implemented

With the release of v3.5.0 additional values were added to meet the needs of EMS.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Type of Destination is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Type of Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e170	Warning	Type of Destination should be recorded when Transport Disposition is "Transport by This EMS Unit...".
nemSch_e171	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Arrest is "Yes...".

nemSch_e172	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Result is "Positive".
nemSch_e173	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

eDisposition.22 - Hospital In-Patient Destination

Definition

The location within the hospital that the patient was taken directly by EMS (e.g., Cath Lab, ICU, etc.).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
4222001	Hospital-Burn
4222003	Hospital-Cath Lab
4222005	Hospital-CCU
4222007	Hospital-Endoscopy
4222009	Hospital-Hospice
4222011	Hospital-Hyperbaric Oxygen Treatment
4222013	Hospital-ICU
4222015	Hospital-Labor and Delivery
4222017	Hospital-Med/Surg
4222019	Hospital-Mental Health
4222021	Hospital-MICU
4222023	Hospital-NICU
4222025	Hospital-Nursery
4222027	Hospital-Peds (General)
4222029	Hospital-Peds ICU
4222031	Hospital-OR
4222033	Hospital-Orthopedic
4222035	Hospital-Other
4222037	Hospital-Out-Patient Bed
4222039	Hospital-Radiology Services - MRI
4222041	Hospital-Radiology Services - CT/PET
4222043	Hospital-Radiology Services - X-Ray
4222045	Hospital-Radiation
4222047	Hospital-Rehab
4222049	Hospital-SICU
4222051	Hospital-Oncology
4222053	Hospital-Outpatient Surgery

Data Element Comment

To be documented when in eDisposition.21 "Hospital-Non-Emergency Department Bed" is selected.

Version 3 Changes Implemented

Added to identify the location within the hospital that the patient was directly taken to by EMS.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	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	Error	When Hospital In-Patient Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eDisposition.23 - Hospital Capability

Definition

The primary hospital capability associated with the patient's condition for this transport (e.g., Trauma, STEMI, Peds, etc.).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric Center
9908019	Rehab Center
9908021	Trauma Center Level 1
9908023	Trauma Center Level 2
9908025	Trauma Center Level 3
9908027	Trauma Center Level 4
9908029	Trauma Center Level 5
9908031	Cardiac-STEMI/PCI Capable
9908033	Cardiac-STEMI/PCI Capable (24/7)
9908035	Cardiac-STEMI/Non-PCI Capable
9908037	Stroke-Acute Stroke Ready Hospital (ASRH)
9908039	Stroke-Primary Stroke Center (PSC)
9908041	Stroke-Thrombectomy-Capable Stroke Center (TSC)
9908043	Stroke-Comprehensive Stroke Center (CSC)
9908045	Cancer Center
9908047	Labor and Delivery

Data Element Comment

To be documented when eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.

Stroke Center classifications based on Join Commission stroke certification:
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.

Associated Validation Rules

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_e009	Warning	When Hospital Capability has a Not Value, no other value should be recorded.
nemSch_e171	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Arrest is "Yes...".
nemSch_e172	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Result is "Positive".
nemSch_e173	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

State National

eDisposition.24 - Destination Team Pre-Arrival Alert or Activation

Definition

Indication that an alert (or activation) was called by EMS to the appropriate destination healthcare facility team. The alert (or activation) should occur prior to the EMS Unit arrival at the destination with the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4224001	No
4224003	Yes-Adult Trauma
4224005	Yes-Cardiac Arrest
4224007	Yes-Obstetrics
4224009	Yes-Other
4224011	Yes-Pediatric Trauma
4224013	Yes-STEMI
4224015	Yes-Stroke
4224017	Yes-Trauma (General)
4224019	Yes-Sepsis

Data Element Comment

Version 3 Changes Implemented

Added to better document performance measure for acute time dependent illness and injury systems of care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Destination Team Pre-Arrival Alert or Activation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Destination Team Pre-Arrival Alert or Activation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e174	Warning	When Destination Team Pre-Arrival Alert or Activation is "No", no other value should be recorded.
nemSch_e175	Warning	Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded.
nemSch_e176	Warning	Date/Time of Destination Prearrival Alert or Activation should be recorded when Destination Team Pre-Arrival Alert or Activation is recorded with a value other than "None".

State National

eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation

Definition

The Date/Time EMS alerted, notified, or activated the Destination Healthcare Facility prior to EMS arrival. The EMS assessment identified the patient as acutely ill or injured based on exam and possibly specified alert criteria.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document performance measure for acute time dependent illness and injury systems of care.

Associated Validation Rules

Rule ID	Level	Message
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	Warning	Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time.

eDisposition.26 - Disposition Instructions Provided

Definition

Information provided to patient during disposition for patients not transported or treated.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4226001	Contact 911 or see your Doctor if problem returns
4226003	Contact 911 or see your Doctor if problem worsens
4226005	Other Not Listed (Described in Narrative)
4226007	Problem Specific Instructions Provided
4226009	See Your Doctor or the Emergency Department immediately
4226011	See Your Doctor or the Emergency Department in the next 24 hours
4226013	See Your Doctor or the Emergency Department in the next 4 hours
4226015	See Your Doctor within the next one week

Data Element Comment

Version 3 Changes Implemented

Added to better document instructions given to patients not transported by EMS.

State National

eDisposition.32 - Level of Care Provided per Protocol

Definition

The general level of care provided to this patient as defined per provider level in local EMS protocols or clinical guidelines.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4232001	BLS - All Levels
4232003	ALS - AEMT/Intermediate
4232005	ALS - Paramedic
4232007	EMS and Other Health-Care Staff
4232009	Critical Care
4232011	Integrated Health Care
4232013	No Care Provided

Data Element Comment

The level of care should be defined by the situation, medications, and procedures provided to the patient based on what is allowed in the local EMS protocols. This definition can vary between regions; what may be allowed for BLS providers in one region may be considered ALS care in another. This is not a reflection of the provider levels providing care, but the actual care given-for example, BLS care provided by a paramedic would be entered as "BLS". This element benefits reviews of performance, resource demand and utilization, and reimbursement coding.

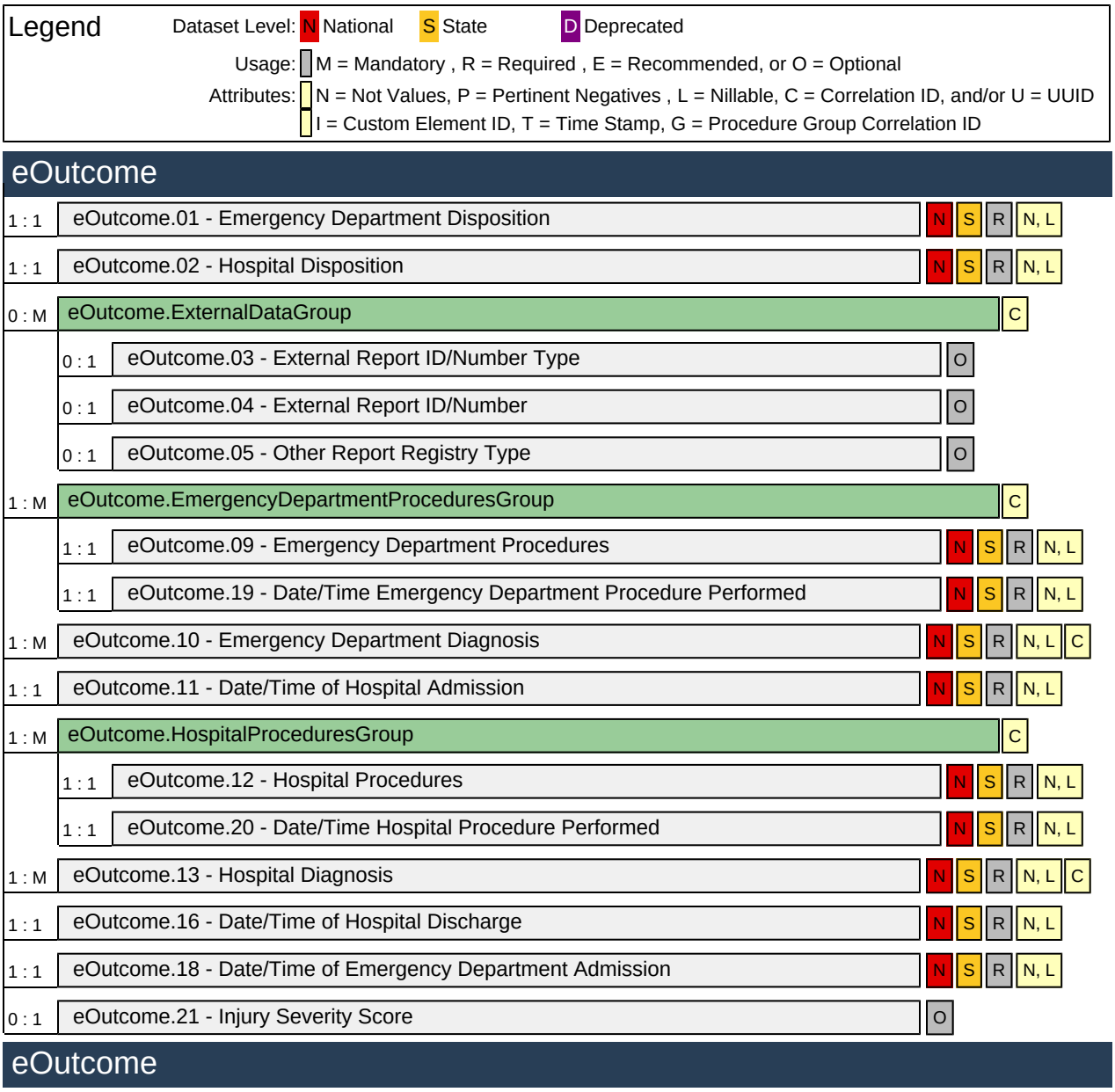
Version 3 Changes Implemented

Element added wit the release of v3.5.0

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Level of Care Provided per Protocol is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Level of Care Provided per Protocol has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e187	Warning	Level of Care Provided per Protocol should be recorded (with a value other than "No Care Provided") when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

eOutcome


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eOutcome
1 : 1 eOutcome.01 - Emergency Department Disposition N S R N, L
1 : 1 eOutcome.02 - Hospital Disposition N S R N, L
0 : M eOutcome.ExternalDataGroup C
0 : 1 eOutcome.03 - External Report ID/Number Type O
0 : 1 eOutcome.04 - External Report ID/Number O
0 : 1 eOutcome.05 - Other Report Registry Type O
1 : M eOutcome.EmergencyDepartmentProceduresGroup C
1 : 1 eOutcome.09 - Emergency Department Procedures N S R N, L
1 : 1 eOutcome.19 - Date/Time Emergency Department Procedure Performed N S R N, L
1 : M eOutcome.10 - Emergency Department Diagnosis N S R N, L C
1 : 1 eOutcome.11 - Date/Time of Hospital Admission N S R N, L
1 : M eOutcome.HospitalProceduresGroup C
1 : 1 eOutcome.12 - Hospital Procedures N S R N, L
1 : 1 eOutcome.20 - Date/Time Hospital Procedure Performed N S R N, L
1 : M eOutcome.13 - Hospital Diagnosis N S R N, L C
1 : 1 eOutcome.16 - Date/Time of Hospital Discharge N S R N, L
1 : 1 eOutcome.18 - Date/Time of Emergency Department Admission N S R N, L
0 : 1 eOutcome.21 - Injury Severity Score O

eOutcome

State National

eOutcome.01 - Emergency Department Disposition

Definition

The known disposition of the patient from the Emergency Department (ED).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E22_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
09	Admitted as an inpatient to this hospital.
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to a inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

Data Element Comment

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and FL 17 - Patient Discharge Status.

https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c25.pdf (see "FL 17 – Patient Discharge Status")

Codes are available from Medicare contractors and the National Uniform Billing Committee (NUBC, http://www.nubc.org/) via the NUBC's Official UB-04 Data Specifications Manual.

Associated Validation Rules

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	Error	When Emergency Department Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.02 - Hospital Disposition

Definition

The known disposition of the patient from the hospital, if admitted.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E22_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to a inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

Data Element Comment

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and FL 17 - Patient Discharge Status.

https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c25.pdf (see "FL 17 – Patient Discharge Status")

Codes are available from Medicare contractors and the National Uniform Billing Committee (NUBC, http://www.nubc.org/) via the NUBC's Official UB-04 Data Specifications Manual.

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.

eOutcome.03 - External Report ID/Number Type

Definition

The Type of External Report or Record associated with the Report/ID Number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4303001	Disaster Tag
4303003	Fire Incident Report
4303005	Hospital-Receiving
4303007	Hospital-Transferring
4303009	Law Enforcement Report
4303011	Other
4303013	Other Registry
4303015	Other Report
4303017	Patient ID
4303019	Prior EMS Patient Care Report
4303021	STEMI Registry
4303023	Stroke Registry
4303025	Trauma Registry

Data Element Comment

This data element is a merge based on the following Version 2.2.1 elements: E22_03, E22_04, E22_05, and E22_06

Version 3 Changes Implemented

Added to allow documentation of external record and identification numbers.

eOutcome.04 - External Report ID/Number

Definition

The ID or Number of the external report or record in eOutcome.03.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

This data element is a merge based on the following Version 2.2.1 elements: E22_03, E22_04, E22_05, and E22_06

Version 3 Changes Implemented

Added to allow documentation of external record and identification numbers.

eOutcome.05 - Other Report Registry Type

Definition

The type of external report/registry that was documented as "other" in eOutcome.03

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

This element should be used only when other-report or other-registry is used eOutcome.03.

State National

eOutcome.09 - Emergency Department Procedures

Definition

The procedures performed on the patient during the emergency department visit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9A-HJ-NP-Z]{3,7}

Data Element Comment

ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Version 3 Changes Implemented

Added to better evaluate EMS care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Emergency Department Procedures is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Emergency Department Procedures has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.19 - Date/Time Emergency Department Procedure Performed

Definition

The date/time the emergency department procedure was performed on the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time Emergency Department Procedure Performed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Date/Time Emergency Department Procedure Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.10 - Emergency Department Diagnosis

Definition

The practitioner's description of the condition or problem for which Emergency Department services were provided.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
[A-Z][0-9][0-9A-Z]((\.[0-9A-Z]{1,4})?)

Data Element Comment

Code list is represented in ICD-10-CM: Diagnosis Codes.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Version 3 Changes Implemented

Added to better evaluate EMS care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Emergency Department Diagnosis is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Emergency Department Diagnosis has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Emergency Department Diagnosis has a Not Value, no other value should be recorded.

State National

eOutcome.11 - Date/Time of Hospital Admission

Definition

The date and time the patient was admitted to the hospital.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better evaluate EMS care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time of Hospital Admission is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Date/Time of Hospital Admission has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.12 - Hospital Procedures

Definition

Hospital Procedures performed on the patient during the hospital admission.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9A-HJ-NP-Z]{3,7}

Data Element Comment

ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Version 3 Changes Implemented

Added to better evaluate EMS care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Hospital Procedures is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Hospital Procedures has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.20 - Date/Time Hospital Procedure Performed

Definition

The date/time the hospital procedure was performed on the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time Hospital Procedure Performed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Date/Time Hospital Procedure Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.13 - Hospital Diagnosis

Definition

The hospital diagnosis of the patient associated with the hospital admission.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
[A-Z][0-9][0-9A-Z]((\.[0-9A-Z]{1,4})?)

Data Element Comment

Code list is represented in ICD-10-CM: Diagnosis Codes.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

Version 3 Changes Implemented

Added to better evaluate EMS care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Hospital Diagnosis is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Hospital Diagnosis has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When Hospital Diagnosis has a Not Value, no other value should be recorded.

State National

eOutcome.16 - Date/Time of Hospital Discharge

Definition

The date the patient was discharged from the hospital.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better measure patient outcome.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time of Hospital Discharge is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

nemSch_e002	Error	When Date/Time of Hospital Discharge has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.18 - Date/Time of Emergency Department Admission

Definition

The date and time the patient was admitted to the emergency department.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Date/Time of Emergency Department Admission is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Date/Time of Emergency Department Admission has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eOutcome.21 - Injury Severity Score

Definition

The patient's total Injury Severity Score.

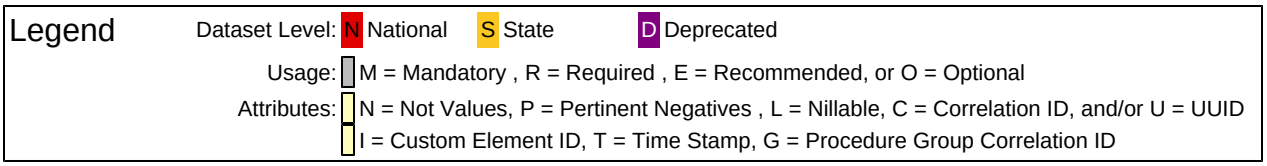
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	0	75

Data Element Comment

eCustomResults



eCustomResults

0 : M	eCustomResults.ResultsGroup	C		
1 : M	eCustomResults.01 - Custom Data Element Result	M	N, L, P	
1 : 1	eCustomResults.02 - Custom Element ID Referenced	M		
0 : 1	eCustomResults.03 - CorrelationID of PatientCareReport Element or Group	O		

eCustomResults

eCustomResults.01 - Custom Data Element Result

Definition

The actual value or values chosen (if values listed in eCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Mandatory	Recurrence	1 : M

Attributes

NOT Values (NV)

Pertinent Negatives (PN)

NV

7701001 - Not Applicable	7701003 - Not Recorded	7701005 - Not Reporting

PN

8801001 - Contraindication Noted	8801003 - Denied By Order	8801005 - Exam Finding Not Present
8801007 - Medication Allergy	8801009 - Medication Already Taken	8801013 - No Known Drug Allergy
8801015 - None Reported	8801017 - Not Performed by EMS	8801019 - Refused
8801021 - Unresponsive	8801023 - Unable to Complete	8801025 - Not Immunized
8801027 - Order Criteria Not Met	8801029 - Approximate	8801031 - Symptom Not Present

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

eCustomResults.02 - Custom Element ID Referenced

Definition

References the CustomElementID attribute for eCustomConfiguration.CustomGroup.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

eCustomResults.03 - CorrelationID of PatientCareReport Element or Group

Definition

References the CorrelationID attribute of an element or group in the PatientCareReport section.

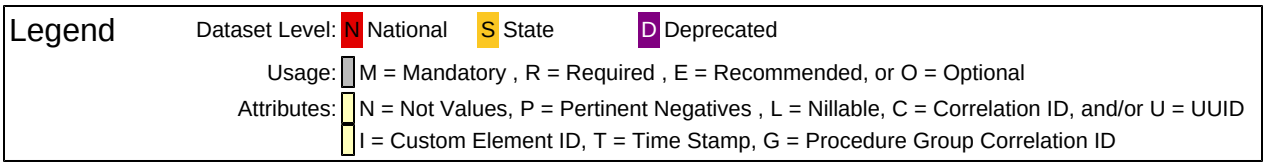
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

eOther



eOther

0 : 1	eOther.01 - Review Requested	O
0 : M	eOther.02 - Potential System of Care/Specialty/Registry Patient	O C
0 : M	eOther.EMSCrewMemberGroup	C
0 : M	eOther.03 - Personal Protective Equipment Used	O C
0 : 1	eOther.04 - EMS Professional (Crew Member) ID	O
0 : 1	eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death	S E N, L
0 : M	eOther.06 - The Type of Work-Related Injury, Death or Suspected Exposure	S E N, L C
0 : M	eOther.07 - Natural, Suspected, Intentional, or Unintentional Disaster	O C
0 : 1	eOther.08 - Crew Member Completing this Report	S E N, L
0 : M	eOther.FileGroup	C
0 : 1	eOther.09 - External Electronic Document Type	O
0 : 1	eOther.10 - File Attachment Type	O
0 : 1	eOther.11 - File Attachment Image	O
0 : 1	eOther.22 - File Attachment Name	O
0 : M	eOther.SignatureGroup	C
0 : 1	eOther.12 - Type of Person Signing	O
0 : M	eOther.13 - Signature Reason	O C
0 : 1	eOther.14 - Type Of Patient Representative	O
0 : 1	eOther.15 - Signature Status	O
0 : 1	eOther.16 - Signature File Name	O
0 : 1	eOther.17 - Signature File Type	O
0 : 1	eOther.18 - Signature Graphic	O
0 : 1	eOther.19 - Date/Time of Signature	O
0 : 1	eOther.20 - Signature Last Name	O
0 : 1	eOther.21 - Signature First Name	O

eOther

eOther.01 - Review Requested

Definition

Indication of whether the PCR needs review by anyone.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_01	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

eOther.02 - Potential System of Care/Specialty/Registry Patient

Definition

An indication if the patient may meet the entry criteria for an injury or illness specific registry.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_02	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4502001	Airway
4502003	Burn
4502005	Cardiac/MI
4502007	CVA/Stroke
4502009	Drowning
4502011	Other
4502013	Spinal Cord Injury
4502015	STEMI/Acute Cardiac
4502017	Trauma
4502019	Traumatic Brain Injury

Data Element Comment

eOther.03 - Personal Protective Equipment Used

Definition

The personal protective equipment which was used by EMS personnel during this EMS patient contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_03	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4503001	Eye Protection
4503003	Gloves
4503005	Helmet
4503007	Level A Suit
4503009	Level B Suit
4503011	Level C Suit
4503013	Level D Suit (Turn out gear)
4503015	Mask-N95
4503017	Mask-Surgical (Non-Fitted)
4503019	Other
4503021	PAPR
4503023	Reflective Vest

Data Element Comment

eOther.04 - EMS Professional (Crew Member) ID

Definition

The ID number of the EMS Crew Member associated with eOther.03, eOther.05, eOther.06.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

Added to allow documentation of PPE and work related health and safety down to the individual level within each EMS crew.

Version 3 Changes Implemented

Added to better document EMS workplace health and safety issues.

State

eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death

Definition

Indication of an EMS work related exposure, injury, or death associated with this EMS event.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E23_05	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated with eOther.04 (EMS Professional (Crew Member) ID)

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Suspected EMS Work Related Exposure, Injury, or Death is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Suspected EMS Work Related Exposure, Injury, or Death has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

eOther.06 - The Type of Work-Related Injury, Death or Suspected Exposure

Definition

The type of EMS crew member work-related injury, death, or suspected exposure related to the EMS response.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E23_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4506001	Death-Cardiac Arrest
4506003	Death-Injury Related
4506005	Death-Other
4506007	Exposure-Airborne Respiratory/Biological/Aerosolized Secretions
4506009	Exposure-Body Fluid Contact to Broken Skin
4506011	Exposure-Body Fluid Contact with Eye
4506013	Exposure-Body Fluid Contact with Intact Skin
4506015	Exposure-Body Fluid Contact with Mucosal Surface
4506017	Exposure-Needle Stick with Body Fluid Injection
4506019	Exposure-Needle Stick without Body Fluid Injection
4506021	Exposure-Toxin/Chemical/Hazmat
4506023	Injury-Lifting/Back/Musculoskeletal
4506025	Injury-Other
4506027	None
4506029	Other
4506031	Violence-Offensive, Intimidating, or Hateful Language
4506033	Violence-Physical Threat, or Threatening Behavior
4506035	Violence-Physical Attack or Attempt to Attack
4506037	Violence-Unwelcome Sexual Attention, Remarks, Jokes or Gestures
4506039	Violence-Unwanted Touching of a Sexual Nature
4506041	Struck by Vehicle Along Roadway

Data Element Comment

Associated witheOther.04 (EMS Professional (Crew Member) ID).

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When The Type of Work-Related Injury, Death or Suspected Exposure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When The Type of Work-Related Injury, Death or Suspected Exposure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009	Warning	When The Type of Work-Related Injury, Death or Suspected Exposure has a Not Value, no other value should be recorded.

eOther.07 - Natural, Suspected, Intentional, or Unintentional Disaster

Definition

Event caused by natural forces or Suspected and Intentional/Unintentional Disasters (terrorism).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E23_04	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Associated Performance Measure Initiatives

Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4507001	Biologic Agent
4507003	Building Failure
4507005	Chemical Agent
4507007	Explosive Device
4507009	Fire
4507011	Hostage Event
4507013	Mass Gathering
4507015	Mass Illness
4507017	Nuclear Agent
4507019	Radioactive Device
4507021	Secondary Destructive Device
4507023	Shooting/Sniper
4507025	Vehicular
4507027	Weather (Other)
4507029	Earthquake
4507031	Flood
4507033	Land Slide
4507035	Winter Storm
4507037	Tornado
4507039	Hurricane

Data Element Comment

Based on FEMA website

State

eOther.08 - Crew Member Completing this Report

Definition

The statewide assigned ID number of the EMS crew member which completed this patient care report.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E23_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

If the EMS Professional has a specific ID associated with two states, the ID used would typically be based on the EMS Agencies state license.

Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When Crew Member Completing this Report is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When Crew Member Completing this Report has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eOther.09 - External Electronic Document Type

Definition

Document type which has been electronically stored with PCR.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4509001	Other Audio Recording
4509003	Billing Information
4509005	Diagnostic Image (CT, X-ray, US, etc.)
4509006	DNR
4509008	Living Will
4509009	ECG/Lab Results
4509011	Guardianship/Power of Attorney
4509013	Other Healthcare Record
4509015	Other
4509017	Patient Identification
4509019	Patient Refusal Sheet
4509021	Other Picture/Graphic
4509025	Other Video/Movie
4509027	ePCR

Data Element Comment

Added to allow an improved implementation of electronic healthcare records.

Version 3 Changes Implemented

Added to allow an improved implementation of electronic healthcare records.

eOther.10 - File Attachment Type

Definition

The description of the file attachment stored in File Attachment Image (eOther.11).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d_image
Raster Image formats: http://www.fileinfo.com/filetypes/raster_image
Vector Image formats: http://www.fileinfo.com/filetypes/vector_image

Video formats: http://www.fileinfo.com/filetypes/video
Audio formats: http://www.fileinfo.com/filetypes/audio

Comparison of formats:
Image: http://en.wikipedia.org/wiki/Comparison_of_image_file_formats
Audio: http://en.wikipedia.org/wiki/Audio_file_format
Container: http://en.wikipedia.org/wiki/Comparison_of_container_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image_file_formats
Mime Types: http://en.wikipedia.org/wiki/Internet_media_type

Version 3 Changes Implemented

Added to allow an improved implementation of electronic healthcare records.

eOther.11 - File Attachment Image

Definition

The file that is attached electronically to the patient care report.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type
base64Binary

Data Element Comment

Associated with eOther.09 (External Electronic Documents) and eOther.10 (File Attachment Type).

Version 3 Changes Implemented

Added to allow an improved implementation of electronic healthcare records.

eOther.22 - File Attachment Name

Definition

The name of the attached file.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	maxLength
string	255

Data Element Comment

eOther.12 - Type of Person Signing

Definition

The individual's signature associated with eOther.15 (Signature Status).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4512001	EMS Crew Member (Other)
4512003	EMS Primary Care Provider (for this event)
4512005	Healthcare Provider
4512007	Medical Director
4512009	Non-Healthcare Provider
4512011	Online Medical Control Healthcare Practitioner
4512013	Other
4512015	Patient
4512017	Patient Representative
4512019	Witness

Data Element Comment

Version 3 Changes Implemented

Added to better document disposition and billing information.

eOther.13 - Signature Reason

Definition

The reason for the individuals signature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
4513001	HIPAA acknowledgement/Release
4513003	Permission to Treat
4513005	Release for Billing
4513007	Transfer of Patient Care
4513009	Refusal of Care
4513011	Controlled Substance, Administration
4513013	Controlled Substance, Waste
4513015	Airway Verification
4513017	Patient Belongings (Receipt)
4513019	Permission to Transport
4513021	Refusal of Transport
4513023	Other

Data Element Comment

eOther.14 - Type Of Patient Representative

Definition

If Patient Representative is chosen as the owner of the signature, this documents the relationship of the individual signing to the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4514001	Aunt
4514003	Brother
4514005	Daughter
4514007	Discharge Planner
4514009	Domestic Partner
4514011	Father
4514013	Friend
4514015	Grandfather
4514017	Grandmother
4514019	Guardian
4514021	Husband
4514023	Law Enforcement
4514025	MD/DO
4514027	Mother
4514029	Nurse (RN)
4514031	Nurse Practitioner (NP)
4514033	Other Care Provider (Home health, hospice, etc.)
4514035	Other
4514037	Physician's Assistant (PA)
4514039	Power of Attorney
4514041	Other Relative
4514043	Self
4514045	Sister
4514047	Son
4514049	Uncle
4514051	Wife

Data Element Comment

Required for Billing.

Version 3 Changes Implemented

Added to improve documentation on disposition and billing.

eOther.15 - Signature Status

Definition

Indication that the signature for the Type of Person Signing and Signature Reason has been collected or attempted to be collected.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4515001	Not Signed - Crew Called out to another call
4515003	Not Signed - Deceased
4515005	Not Signed - Due to Distress Level
4515007	Not Signed - Equipment Failure
4515009	Not Signed - In Law Enforcement Custody
4515011	Not Signed - Language Barrier
4515013	Not Signed - Mental Status/Impaired
4515015	Not Signed - Minor/Child
4515017	Not Signed - Physical Impairment of Extremities
4515019	Not Signed - Refused
4515021	Not Signed - Transferred Care/No Access to Obtain Signature
4515023	Not Signed - Unconscious
4515025	Not Signed -Visually Impaired
4515027	Physical Signature/Paper Copy Obtained
4515031	Signed
4515033	Signed-Not Patient
4515035	Not Signed-Illiterate (Unable to Read)
4515037	Not Signed-Restrained
4515039	Not Signed-Combative or Uncooperative

Data Element Comment

Version 3 Changes Implemented

Added to better document disposition and billing.

eOther.16 - Signature File Name

Definition

The name of the graphic file for the signature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	maxLength
string	255

Data Element Comment

eOther.17 - Signature File Type

Definition

The description of the file attachment stored in Signature Graphic (eOther.18).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

The description is defined as the extension of the file type. Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

3D Image formats: http://www.fileinfo.com/filetypes/3d_image
Raster Image formats: http://www.fileinfo.com/filetypes/raster_image
Vector Image formats: http://www.fileinfo.com/filetypes/vector_image

Video formats: http://www.fileinfo.com/filetypes/video
Audio formats: http://www.fileinfo.com/filetypes/audio

Comparison of formats:
Image: http://en.wikipedia.org/wiki/Comparison_of_image_file_formats
Audio: http://en.wikipedia.org/wiki/Audio_file_format
Container: http://en.wikipedia.org/wiki/Comparison_of_container_formats

A general list of image formats: http://en.wikipedia.org/wiki/Image_file_formats
Mime Types: http://en.wikipedia.org/wiki/Internet_media_type

eOther.18 - Signature Graphic

Definition

The graphic file for the signature.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type
base64Binary

Data Element Comment

Version 3 Changes Implemented

Added to better document disposition and billing.

eOther.19 - Date/Time of Signature

Definition

The date and time the crew member, patient, patient representative, or facility representative signature was captured.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

Version 3 Changes Implemented

Added to better document disposition and billing.

eOther.20 - Signature Last Name

Definition

The last name of the crew member, patient, patient representative, or facility representative associated with the signature group.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

Version 3 Changes Implemented

Added to better document disposition and billing.

eOther.21 - Signature First Name

Definition

The first name of the crew member, patient, patient representative, or facility representative associated with the signature group.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Version 3 Changes Implemented

Added to better document disposition and billing.

dCustomConfiguration

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

dCustomConfiguration

0 : M	dCustomConfiguration.CustomGroup	I
1 : 1	dCustomConfiguration.01 - Custom Data Element Title	M
1 : 1	dCustomConfiguration.02 - Custom Definition	M
1 : 1	dCustomConfiguration.03 - Custom Data Type	M
1 : 1	dCustomConfiguration.04 - Custom Data Element Recurrence	M
1 : 1	dCustomConfiguration.05 - Custom Data Element Usage	M
0 : M	dCustomConfiguration.06 - Custom Data Element Potential Values	O
0 : M	dCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)	O
0 : M	dCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)	O
0 : 1	dCustomConfiguration.09 - Custom Data Element Grouping ID	O

dCustomConfiguration

dCustomConfiguration.01 - Custom Data Element Title

Definition

This is the title of the custom data element created to collect information that is not defined formally in NEMSIS Version 3.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

nemsisElement
Data Type: anySimpleType **whiteSpace:** preserve

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

This is grouped with all data elements in this section and can have multiple instances.

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

dCustomConfiguration.02 - Custom Definition

Definition

The definition of the custom element and how it should be used.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

dCustomConfiguration.03 - Custom Data Type

Definition

The data type of the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other
9902009	Text/String
9902011	Boolean

Data Element Comment

dCustomConfiguration.04 - Custom Data Element Recurrence

Definition

Indication if the data element will accept multiple values.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

dCustomConfiguration.05 - Custom Data Element Usage

Definition

The Usage (Mandatory, Required, Recommended, or Optional) for the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Code List

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.

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

dCustomConfiguration.06 - Custom Data Element Potential Values

Definition

The values which are associated with the Custom Data Element. Values would be the choices provided to the user when they document the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

nemsisCode
Data Type: anySimpleType **whiteSpace:** preserve

customValueDescription
Data Type: anySimpleType **whiteSpace:** preserve

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

dCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)

Definition

NOT Values (NV) associated with the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

Data Element Comment

dCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)

Definition

Pertinent Negative Values (PN) associated with the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Code List

Code	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

dCustomConfiguration.09 - Custom Data Element Grouping ID

Definition

ID for custom element grouping.

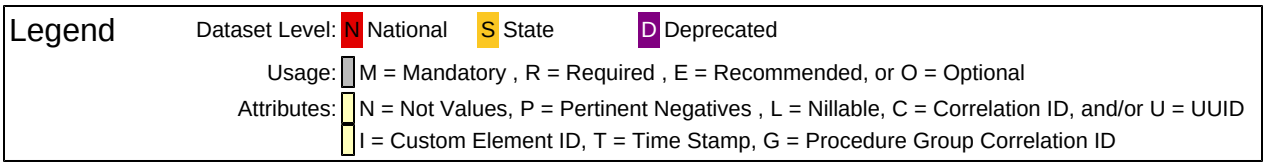
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

dRecord



dRecord

0 : 1	dRecord.SoftwareApplicationGroup		
0 : 1	dRecord.01 - Software Creator	E	N, L
0 : 1	dRecord.02 - Software Name	E	N, L
0 : 1	dRecord.03 - Software Version	E	N, L

dRecord

dRecord.01 - Software Creator

Definition

The name of the vendor who designed the application that created the record for the agency listed in dAgency02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

This was added to document the software used to generate the Demographic XML file. This is not the last software which sent the demographic file from another software.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	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_d002	Error	When Software Creator has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dRecord.02 - Software Name

Definition

The name of the application used to create the record for the agency listed in dAgency.02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

This was added to document the software used to generate the Demographic XML file. This is not the last software which sent the demographic file from another software.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Software Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Software Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dRecord.03 - Software Version

Definition

The version of the application used to create the record for the agency listed in dAgency.02.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

This was added to document the software version used to generate the Demographic XML file. This is not the last software which sent the demographic file from another software.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Software Version is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Software Version has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dAgency

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

dAgency

1 : 1	dAgency.01 - EMS Agency Unique State ID	N	S	M		
1 : 1	dAgency.02 - EMS Agency Number	N	S	M		
0 : 1	dAgency.03 - EMS Agency Name	S	E	N, L		
1 : 1	dAgency.04 - EMS Agency State	N	S	M		
1 : M	dAgency.AgencyServiceGroup	C	U			
1 : 1	dAgency.05 - EMS Agency Service Area States	N	S	M		
1 : M	dAgency.06 - EMS Agency Service Area County(ies)	N	S	M	C	
1 : M	dAgency.07 - EMS Agency Census Tracts	N	S	R	N, L	C
1 : M	dAgency.08 - EMS Agency Service Area ZIP Codes	N	S	R	N, L	C
1 : 1	dAgency.09 - Primary Type of Service	N	S	M		
0 : M	dAgency.10 - Other Types of Service	S	E	N, L	C	
1 : 1	dAgency.11 - Level of Service	N	S	M		
1 : 1	dAgency.12 - Organization Status	N	S	M		
1 : 1	dAgency.13 - Organizational Type	N	S	M		
1 : 1	dAgency.14 - EMS Agency Organizational Tax Status	N	S	M		
0 : M	dAgency.AgencyYearGroup	C	U			
0 : 1	dAgency.15 - Statistical Calendar Year	S	E	N, L		
0 : 1	dAgency.16 - Total Primary Service Area Size	S	E	N, L		
0 : 1	dAgency.17 - Total Service Area Population	S	E	N, L		
0 : 1	dAgency.18 - 911 EMS Call Center Volume per Year	S	E	N, L		
0 : 1	dAgency.19 - EMS Dispatch Volume per Year	S	E	N, L		
0 : 1	dAgency.20 - EMS Patient Transport Volume per Year	S	E	N, L		
0 : 1	dAgency.21 - EMS Patient Contact Volume per Year	S	E	N, L		
0 : 1	dAgency.22 - EMS Billable Calls per Year	S	E	N, L		
0 : 1	dAgency.23 - EMS Agency Time Zone	O				
0 : 1	dAgency.24 - EMS Agency Daylight Savings Time Use	O				
1 : M	dAgency.25 - National Provider Identifier	N	S	R	N, L	C
1 : M	dAgency.26 - Fire Department ID Number	N	S	R	N, L	C
0 : 1	dAgency.27 - Licensed Agency	O				

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 Type	minLength	maxLength
string	1	50

Data Element Comment

This may be the EMS Agency Name or a unique number assigned by the state EMS office. This is required to document multiple license types and numbers associated with the same EMS Agency.

State National

dAgency.02 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event section.

dAgency.03 - EMS Agency Name

Definition

The formal name of the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Agency Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dAgency.04 - EMS Agency State

Definition

The state/territory which assigned the EMS agency number.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_03	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern
[0-9]{2}

Data Element Comment

This has been clarified to reflect that it is the state associated with the EMS Agency number listed in dAgency.02 – EMS Agency Number.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
nemSch_d010	Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d012	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.

dAgency.05 - EMS Agency Service Area States

Definition

The states in which the EMS Agency provides services including the state associated with the EMS Agency Number.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Constraints

Pattern
[0-9]{2}

Data Element Comment

Each state is captured as a group where the EMS agency provides service. The group includes dAgency.05, dAgency.06, dAgency.07, and Agency.08.

Element added to document all of the states in which the EMS agency provides services. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
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.

State National

dAgency.06 - EMS Agency Service Area County(ies)

Definition

The county(ies) within each state for which the agency formally provides service.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
[0-9]{5}

Data Element Comment

Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state. County codes are based on ISO/ANSI codes. It is a 5-digit code based on state (2-digit) and county (3-digit).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	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.

State National

dAgency.07 - EMS Agency Census Tracts

Definition

The US census tracts in which the EMS agency formally provides service.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
[0-9]{11}

Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

The format of the census tract number must be an 11-digit number, based upon the 2010 census, using the pattern:
2-digit State Code 3-digit County Code 6-digit Census Tract Number (no decimal)

Example: NEMSIS TAC office (UT, Salt Lake County, Census Tract - located at 295 Chipeta Way, Salt Lake City, UT)
49035101400

Census Tract Data Website (files and descriptions):
https://www.census.gov/geographies/reference-files/2010/geo/relationship-files.html

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Agency Census Tracts is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Agency Census Tracts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMS Agency Census Tracts has a Not Value, no other value should be recorded.
nemSch_d007	Warning	EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped.

State National

dAgency.08 - EMS Agency Service Area ZIP Codes

Definition

The ZIP codes for the EMS Agency's service area.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Pattern
[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

Zip Codes Product Website: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

Associated Validation Rules

Rule ID	Level	Message
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.
nemSch_d003	Warning	When EMS Agency Service Area ZIP Codes has a Not Value, no other value should be recorded.

State National

dAgency.09 - Primary Type of Service

Definition

The primary service type provided by the agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Air Medical
9920007	ALS Intercept
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfer Hospital and Nursing Home)
9920015	Rescue
9920017	Community Paramedicine
9920019	Critical Care (Ground)

Data Element Comment

The Primary Type of Service is associated with each of the EMS Agency Numbers.

dAgency.10 - Other Types of Service

Definition

The other service type(s) which are provided by the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Air Medical
9920007	ALS Intercept
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfer Hospital and Nursing Home)
9920015	Rescue
9920017	Community Paramedicine
9920019	Critical Care (Ground)

Data Element Comment

If no other services are provided beyond the Primary Service Type, Not Applicable should be used. This should include all of the types of services not listed in (dAgency.09) Primary Type of Service.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Other Types of Service is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Other Types of Service has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Other Types of Service has a Not Value, no other value should be recorded.

dAgency.11 - Level of Service

Definition

The level of service which the agency provides EMS care for every request for service (the minimum certification level). This may be the license level granted by the state EMS office.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_07	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

The Level of Service is associated with the specific EMS Agency Number (dAgency.02) for the EMS Agency. For example a BLS licensed ambulance service (EMT-Basic) with EMT-Intermediate or EMT-Paramedic on staff, the appropriate level of service is "EMT-Basic". This is because the care provided to patients is limited to BLS skills.

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d012	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.

dAgency.12 - Organization Status

Definition

The primary organizational status of the agency. The definition of Volunteer or Non-Volunteer is based on state or local definitions.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_09	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
1016001	Mixed
1016003	Non-Volunteer
1016005	Volunteer

Data Element Comment

The Organizational Status is associated with the EMS Agency and the specific EMS Agency Number (dAgency.02).

State National

dAgency.13 - Organizational Type

Definition

The organizational structure from which EMS services are delivered (fire, hospital, county, etc).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_08	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9912001	Fire Department
9912003	Governmental, Non-Fire
9912005	Hospital
9912007	Private, Nonhospital
9912009	Tribal

Data Element Comment

Organizational Type is associated with the EMS Agency and the specific EMS Agency Number (dAgency.02).

Associated Validation Rules

Rule ID	Level	Message
nemSch_d008	Warning	Fire Department ID Number should be recorded when Organizational Type is "Fire Department".
nemSch_d009	Warning	Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".

dAgency.14 - EMS Agency Organizational Tax Status

Definition

The EMS Agencies business/corporate organizational tax status.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
1018001	For Profit
1018003	Other (e.g., Government)
1018005	Not For Profit

Data Element Comment

Associated with the EMS Agency for the specific EMS Agency Number (dAgency.02).

dAgency.15 - Statistical Calendar Year

Definition

The calendar year to which the information pertains for the EMS Agency and the specific EMS Agency Number (dAgency.02).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

Added Calendar Year to the definition to remove confusion noted in draft comments. Will allow multiple entry to allow data to be stored on several years. This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02) and elements dAgency.16 through dAgency.22.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Statistical Calendar Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Statistical Calendar Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dAgency.16 - Total Primary Service Area Size

Definition

The total square miles in the agency's service area.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_12	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701005 - Not Reporting 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Total Primary Service Area Size is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Total Primary Service Area Size has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dAgency.17 - Total Service Area Population

Definition

The total population in the agency's service area based if possible on year 2010 census data.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_13	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701005 - Not Reporting 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Total Service Area Population is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Total Service Area Population has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dAgency.18 - 911 EMS Call Center Volume per Year

Definition

The number of 911 calls received by the call center during the last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_14	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Version 3 Changes Implemented

Name Clarified with "Call Center"

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When 911 EMS Call Center Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When 911 EMS Call Center Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dAgency.19 - EMS Dispatch Volume per Year

Definition

The number of EMS dispatches during the last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Dispatch Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Dispatch Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dAgency.20 - EMS Patient Transport Volume per Year

Definition

The number of EMS transports per year based on last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_16	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Patient Transport Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Patient Transport Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dAgency.21 - EMS Patient Contact Volume per Year

Definition

The number of EMS patient contacts per year based on last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_17	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Patient Contact Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Patient Contact Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dAgency.22 - EMS Billable Calls per Year

Definition

The number of EMS patient encounters which are billable based on the last calendar year.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_18	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	400,000,000

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Billable Calls per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Billable Calls per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dAgency.23 - EMS Agency Time Zone

Definition

The time zone for the EMS Agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D01_19	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
1027001	All other time zones
1027003	GMT-04:00 Atlantic Time
1027005	GMT-05:00 Eastern Time
1027007	GMT-06:00 Central Time
1027009	GMT-07:00 Mountain Time
1027011	GMT-08:00 Pacific Time
1027013	GMT-09:00 Alaska
1027015	GMT-10:00 Hawaii
1027017	GMT-11:00 Midway Island, Samoa

Data Element Comment

Associated with each of the EMS Agency Number (dAgency.02). If more than one Time Zone is located within the EMS Agency service area, please chose the time zone covering the greatest volume of EMS events.

dAgency.24 - EMS Agency Daylight Savings Time Use

Definition

Indicate if the EMS Agency conforms to Daylight Savings Time.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D01_20	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated with each of the EMS Agency Number (dAgency.02). If the EMS Agency service area contains areas with variations in Daylight Savings Time implementation, choose the response which best represents the majority of the EMS events.

State National

dAgency.25 - National Provider Identifier

Definition

The National Provider Identifier issued by CMS.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_21	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	length
string	10

Data Element Comment

Only EMS Agencies billing for service will have an NPI number.

CMS (Centers for Medicare and Medicaid Services) NPI Registry lookup:
https://npiregistry.cms.hhs.gov/

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	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_d002	Error	When National Provider Identifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When National Provider Identifier has a Not Value, no other value should be recorded.

State National

dAgency.26 - Fire Department ID Number

Definition

The state assigned Fire Department ID Number for EMS Agency(ies) operating within a Fire Department.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	20

Data Element Comment

Fire Department ID was added to better integrate Fire Department EMS Agencies and linkage to other EMS related data systems such as NFIRS.

Version 3 Changes Implemented

Added to better associate Fire and EMS licensure and operational identifiers.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Fire Department ID Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Fire Department ID Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Fire Department ID Number has a Not Value, no other value should be recorded.
nemSch_d008	Warning	Fire Department ID Number should be recorded when Organizational Type is "Fire Department".
nemSch_d009	Warning	Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".

dAgency.27 - Licensed Agency

Definition

Indication if the agency is licensed by the state that issued the EMS Agency Number (dAgency.02).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

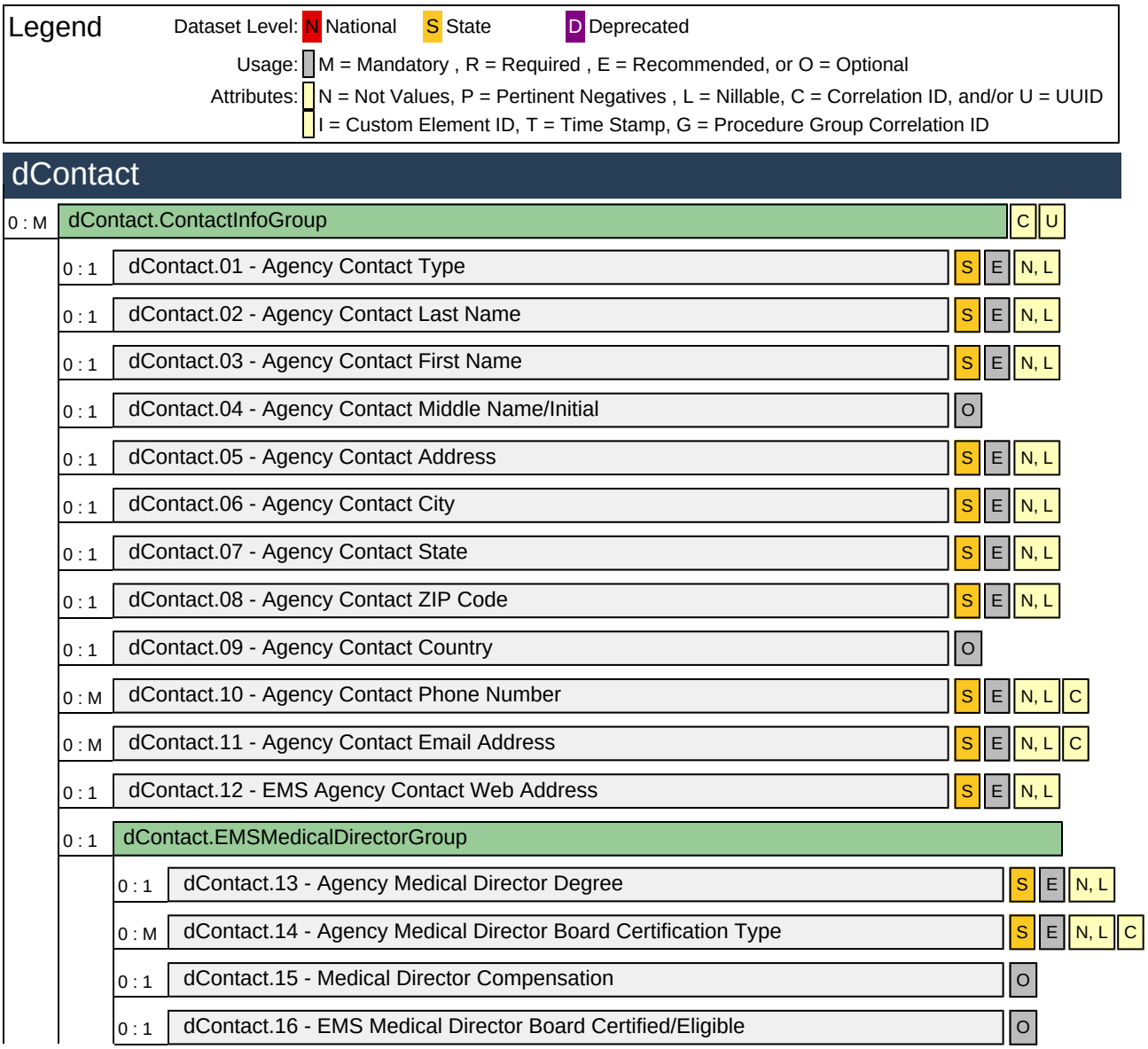
Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated with each of the EMS Agency Number (dAgency.02).

dContact



dContact

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

State

dContact.01 - Agency Contact Type

Definition

The contact type within the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
1101001	Administrative Assistant
1101003	EMS Agency Director/Chief/Lead Administrator/CEO
1101005	EMS Assistant Agency Director/Chief/Administrator/CEO
1101007	EMS Assistant Medical Director
1101009	EMS IT/Data Specialist
1101011	EMS Medical Director
1101013	EMS Quality/Performance Improvement Specialist
1101015	EMS Training/Education Specialist
1101017	Other

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dContact.02 - Agency Contact Last Name

Definition

The last name of the agency's primary contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Last Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact Last Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dContact.03 - Agency Contact First Name

Definition

The first name of the agency's primary contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact First Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact First Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dContact.04 - Agency Contact Middle Name/Initial

Definition

The middle name or initial of the agency's primary contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D02_02	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

State

dContact.05 - Agency Contact Address

Definition

The street address of the agency contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_04	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dContact.06 - Agency Contact City

Definition

The city of the EMS contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_05	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Data Element Comment

The city should be the mailing address for each contact type for the EMS agency. The EMS agency primary address information (e.g., City) should be entered for the Agency Contact Type (dContact.05) “EMS Agency Director/Chief/Lead Administrator/CEO”.

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact City is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact City has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dContact.07 - Agency Contact State

Definition

The state of the Agency contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_06	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Pattern

[0-9]{2}

Data Element Comment

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency. Based on the state ANSI Code. For individuals living outside the USA full address to be entered in the address line.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dContact.08 - Agency Contact ZIP Code

Definition

The ZIP code of the Agency's contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Pattern

[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Zip Codes Product Website: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact 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_d002	Error	When Agency Contact ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dContact.09 - Agency Contact Country

Definition

The Country code of the Agency's contact's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
CA	Canada
MX	Mexico
US	United States

Data Element Comment

The International Organization for Standardization (ISO) ISO 3166-1-alpha-2 code element for the country. The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency. For individuals living outside the USA full address to be entered in the address line.

ANSI Country Codes (ISO 3166): https://www.iso.org/iso-3166-country-codes.html

State

dContact.10 - Agency Contact Phone Number

Definition

Agency contact phone number.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_08	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType
9913001 - Fax 9913003 - Home 9913005 - Mobile
9913007 - Pager 9913009 - Work

Constraints

Pattern
([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])|(\+([0-9] ?){6,14}[0-9])

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Phone Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact Phone Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Agency Contact Phone Number has a Not Value, no other value should be recorded.

State

dContact.11 - Agency Contact Email Address

Definition

The primary email address of the Agency contact.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

EmailAddressType
9904001 - Personal 9904003 - Work

Constraints

Data Type	minLength	maxLength
string	3	100

Pattern
.+@.+

Data Element Comment

The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Contact Email Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Contact Email Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Agency Contact Email Address has a Not Value, no other value should be recorded.

State

dContact.12 - EMS Agency Contact Web Address

Definition

The primary website address of the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D02_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	3	255

Data Element Comment

The EMS agency website address should be entered for the Agency Contact Type (dContact.05) "EMS Agency Director/Chief/Lead Administrator/CEO". The EMS agency website address or other websites are optional for other contact types (e.g., Administrative Assistant, EMS Medical Director, etc.).

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Agency Contact Web Address is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Agency Contact Web Address has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dContact.13 - Agency Medical Director Degree

Definition

The medical school degree type of the EMS Medical Director.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
1113001	Doctor of Medicine
1113003	Doctor of Osteopathy

Data Element Comment

The Medical Director Information has been merged into Section dContact. This data element is now associated with the Medical Director and Assistant Medical Director Contacts in Section dContact.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Medical Director Degree is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Medical Director Degree has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dContact.14 - Agency Medical Director Board Certification Type

Definition

Documentation of the type of board certification of the EMS Agency Medical Director.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1114001	Allergy and Immunology
1114003	Anesthesiology
1114005	Colon and Rectal Surgery
1114007	Dermatology
1114009	Emergency Medicine
1114011	Family Medicine
1114013	Internal Medicine
1114015	Neurological Surgery
1114017	Neurology
1114019	None (Not Board Certified)
1114021	Obstetrics and Gynecology
1114023	Ophthalmology
1114025	Orthopedic Surgery
1114027	Otolaryngology
1114029	Pediatrics
1114031	Physical Medicine and Rehabilitation
1114033	Plastic Surgery
1114035	Psychiatry
1114037	Surgery
1114039	Thoracic Surgery
1114041	Urology
1114043	Vascular Surgery

Data Element Comment

This is based on the American Board of Medical Specialties List of Certifications. The Medical Director Information from Section D02 of NEMSIS Version 2.2.1 has been merged into Version 3 Section dContact.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Agency Medical Director Board Certification Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Agency Medical Director Board Certification Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Agency Medical Director Board Certification Type has a Not Value, no other value should be recorded.

dContact.15 - Medical Director Compensation

Definition

Indication of Medical Director's Compensation.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
1115001	Compensated
1115003	Non-Compensated

Data Element Comment

This element applies to the Medical Director(s) for an EMS agency (EMS Medical Director and EMS Assistant Medical Director).

dContact.16 - EMS Medical Director Board Certified/Eligible

Definition

Indication if the EMS Medical Director has advanced training through a formal fellowship or through another practice pathway.

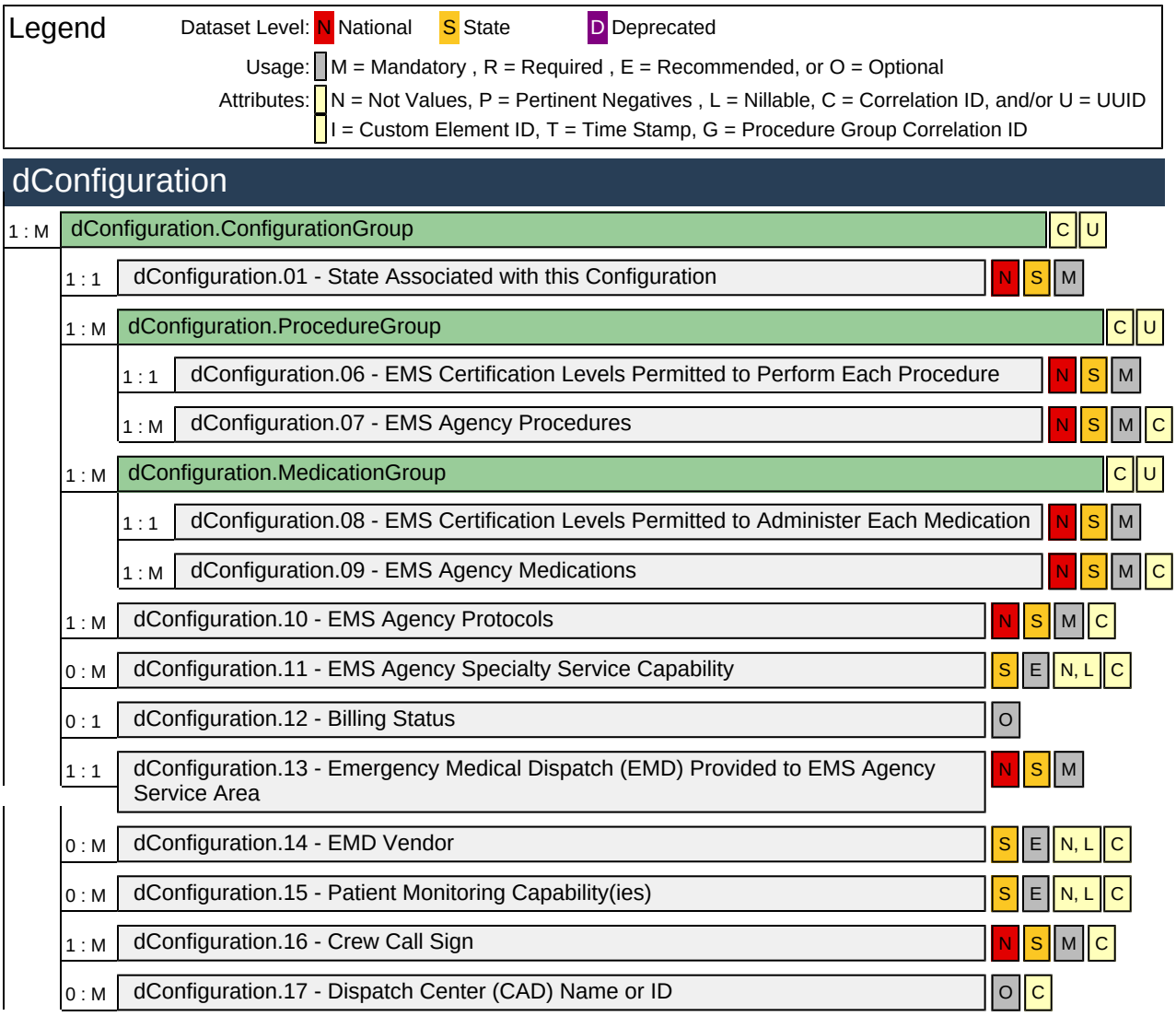
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

dConfiguration



dConfiguration

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

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.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d010	Warning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.
nemSch_d011	Warning	State Associated with this Configuration should be unique (the same state should not be listed more than once).
nemSch_d012	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.

State National

dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure

Definition

EMS certification levels which are permitted to perform the procedure listed in dConfiguration.07.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9917001	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	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.

State National

dConfiguration.07 - EMS Agency Procedures

Definition

A list of all procedures that the agency has implemented and available for use by any/all EMS certification levels.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	maxInclusive	minInclusive
integer	999999999999999999	100000

Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities. Each procedure is associated with the EMS professional certification levels permitted to perform the procedure.

EMS Agencies may identify additional SNOMEDCT procedure codes based on medical direction and their own need. If an agency resides in a state with statewide approved procedures, they should be listed/implemented here.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at:
https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

SNOMEDCT
Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
Product: Product - UMLS Metathesaurus

State National

dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication

Definition

All EMS certification levels which are permitted to administer the medications listed in dConfiguration.09 (EMS Agency Medications).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_07	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9917001	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_d012	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.

State National

dConfiguration.09 - EMS Agency Medications

Definition

A list of all medications the agency has implemented and have available for use.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_06	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

Code Type
9924003 - RxNorm 9924005 - SNOMED-CT

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	2	9

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.

State National

dConfiguration.10 - EMS Agency Protocols

Definition

A list of all of the EMS field protocols that the agency has in place and available for use.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_08	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control

9914085	Injury-Burns-Thermal
9914087	Injury-Cardiac Arrest
9914089	Injury-Crush Syndrome
9914091	Injury-Diving Emergencies
9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099	Injury-Eye
9914101	Injury-Head
9914103	Injury-Impaled Object
9914105	Injury-Multisystem
9914107	Injury-Spinal Cord
9914109	Medical-Abdominal Pain
9914111	Medical-Allergic Reaction/Anaphylaxis
9914113	Medical-Altered Mental Status
9914115	Medical-Bradycardia
9914117	Medical-Cardiac Chest Pain
9914119	Medical-Diarrhea
9914121	Medical-Hyperglycemia
9914123	Medical-Hypertension
9914125	Medical-Hypoglycemia/Diabetic Emergency
9914127	Medical-Hypotension/Shock (Non-Trauma)
9914129	Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/Reactive Airway
9914141	Medical-Seizure
9914143	Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145	Medical-Stroke/TIA
9914147	Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159	OB/GYN-Gynecologic Emergencies
9914161	OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173	Exposure-Smoke Inhalation
9914175	General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected
9914189	General-Refusal of Care
9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203	Injury-Conducted Electrical Weapon (e.g., Taser)
9914205	Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219	Medical-Opioid Poisoning/Overdose
9914221	Medical-Respiratory Distress-Bronchiolitis

9914223 Medical-Respiratory Distress-Croup
9914225 Medical-Stimulant Poisoning/Overdose

Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes.

The list is defined by the NASEMSO State Medical Directors.

State

dConfiguration.11 - EMS Agency Specialty Service Capability

Definition

Special training or services provided by the EMS Agency and available to the EMS service area/community.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1211001	Air Rescue
1211003	CBRNE
1211005	Community Health Medicine
1211007	Disaster Medical Assistance Team (DMAT)
1211009	Disaster Mortuary (DMORT)
1211011	Dive Rescue
1211013	Farm Rescue
1211015	High Angle Rescue
1211017	Machinery Disentanglement
1211019	None
1211021	Ski / Snow Rescue
1211023	Tactical EMS
1211025	Trench / Confined Space Rescue
1211027	Urban Search and Rescue (USAR)
1211029	Vehicle Extrication
1211031	Veterinary Medical Assistance Team (VMAT)
1211033	Water or Ice Related Rescue (Incl Swift Water)
1211035	Wilderness Search and Rescue

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Agency Specialty Service Capability is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Agency Specialty Service Capability has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMS Agency Specialty Service Capability has a Not Value, no other value should be recorded.

dConfiguration.12 - Billing Status

Definition

Indication of whether the EMS agency routinely bills for any segment of the patient population.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_10	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Billing status is associated with each EMS Agency for the specific EMS Agency Number (dAgency.02).

dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service Area

Definition

Indication as to whether Emergency Medical Dispatch is provided to the EMS Agency's service area.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
1213001	No
1213003	Yes, 100% of the EMS Agency's Service Area
1213005	Yes, Less than 100% of the EMS Agency's Service Area

Data Element Comment

Added to better document the implementation of Emergency Medical Dispatch. Associated with each EMS Agency and the specific EMS Agency Number (dAgency.02).

dConfiguration.14 - EMD Vendor

Definition

The vendor or company associated with the EMD Card set and algorithms.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_17	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMD Vendor is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMD Vendor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMD Vendor has a Not Value, no other value should be recorded.

State

dConfiguration.15 - Patient Monitoring Capability(ies)

Definition

The EMS Agency's patient monitoring capability which can be provided to any/all patients presenting to EMS.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID

Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1215001	Capnography-Numeric
1215003	Capnography-Waveform
1215005	ECG-12 Lead or Greater
1215007	ECG-Less than 12 Lead (Cardiac Monitor)
1215009	Oximetry-Carbon Monoxide
1215011	Oximetry-Oxygen
1215013	Pressure Measurement-Invasive (Arterial, CVP, Swan, etc.)
1215015	Pressure Measurement-Non-Invasive (Blood Pressure, etc.)
1215017	Ventilator-Transport
1215019	Vital Sign Monitoring

Data Element Comment

Added to identify the patient monitoring capability of the EMS Agency. Associated with each EMS Agency Number (dAgency.02) since each EMS Agency Number may have a different capability within each EMS Agency. Other patient monitoring capability may exist but NEMSIS Version 3 only includes these specific capabilities.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Patient Monitoring Capability(ies) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Patient Monitoring Capability(ies) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When Patient Monitoring Capability(ies) has a Not Value, no other value should be recorded.

dConfiguration.16 - Crew Call Sign

Definition

The EMS crew call sign used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_02	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d017	Warning	Crew Call Sign should be unique (the same call sign should not be listed more than once).

dConfiguration.17 - Dispatch Center (CAD) Name or ID

Definition

The name or ID of the dispatch center (Primary or Secondary Service Answering Point - PSAP) that dispatches the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

This element can be used to identify the dispatch center (Primary or Secondary Service Answering Point - PSAP) that dispatches the EMS agency. If the EMS agency is able to populate the Patient Care Report (PCR) with CAD specific details (times, incident address information, crew information, EMD, etc.) the name or ID of the dispatch center should be documented. Information in dConfiguration.17 may be used to populate eDispatch.04 - Computer Aided Dispatch (CAD) Name or ID if a CAD integration exists.

Version 3 Changes Implemented

Added to the dataset to assist in identifying the CAD / dispatch center providing information to the EMS agency and ePCR when there are multiple dispatch centers sending resources to the same EMS incident.

dLocation

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

dLocation

0 : M	dLocation.LocationGroup	C	U
0 : 1	dLocation.01 - EMS Location Type	O	
0 : 1	dLocation.02 - EMS Location Name	O	
0 : 1	dLocation.03 - EMS Location Number	O	
0 : 1	dLocation.04 - EMS Location GPS	O	
0 : 1	dLocation.05 - EMS Location US National Grid Coordinates	O	
0 : 1	dLocation.06 - EMS Location Address	O	
0 : 1	dLocation.07 - EMS Location City	O	
0 : 1	dLocation.08 - EMS Location State	O	
0 : 1	dLocation.09 - EMS Station or Location ZIP Code	O	
0 : 1	dLocation.10 - EMS Location County	O	
0 : 1	dLocation.11 - EMS Location Country	O	
0 : M	dLocation.12 - EMS Location Phone Number	O	C

dLocation

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

dLocation.01 - EMS Location Type

Definition

The type of EMS Location which could be a fixed station or a pre-determined staging area.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
1301001	EMS Agency Headquarters
1301003	EMS Staging Area
1301005	EMS Station
1301007	Other

Data Element Comment

This is associated with the EMS Agency associated with the EMS Agency Number (dAgency.02).

Version 3 Changes Implemented

Added to allow multiple locations to be documented for an EMS Agency.

dLocation.02 - EMS Location Name

Definition

The name of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_01	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

dLocation.03 - EMS Location Number

Definition

The ID number of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_02	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

dLocation.04 - EMS Location GPS

Definition

The GPS coordinate of the EMS location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern

(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?),(\+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9]|[0-9])(\.[0-9]{1,6})?)

Data Element Comment

The pattern for GPS location is in the format "*latitude*,*longitude*" where:
- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

dLocation.05 - EMS Location US National Grid Coordinates

Definition

The US National Grid Coordinates of the EMS location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V]([0-9][0-9]){4,5}

Data Element Comment

For more information go to www.fgdc.gov/usng.

dLocation.06 - EMS Location Address

Definition

The address of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

dLocation.07 - EMS Location City

Definition

The city of the EMS location type (e.g., Fixed station, sub-station, staging area, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_06	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dLocation.08 - EMS Location State

Definition

The state of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_07	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on the ANSI State Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dLocation.09 - EMS Station or Location ZIP Code

Definition

The ZIP code of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_08	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

Zip Codes Product Website: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

dLocation.10 - EMS Location County

Definition

The county of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{5}

Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dLocation.11 - EMS Location Country

Definition

The country of the EMS location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
CA	Canada
MX	Mexico
US	United States

Data Element Comment

The International Organization for Standardization (ISO) ISO 3166-1-alpha-2 code element for the country.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

Version 3 Changes Implemented

Added to improve international implementations.

dLocation.12 - EMS Location Phone Number

Definition

The phone number of the EMS Location.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D05_09	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType

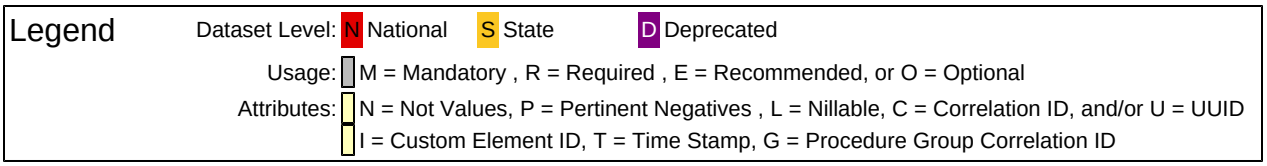
9913001 - Fax	9913003 - Home	9913005 - Mobile
9913007 - Pager	9913009 - Work	

Constraints

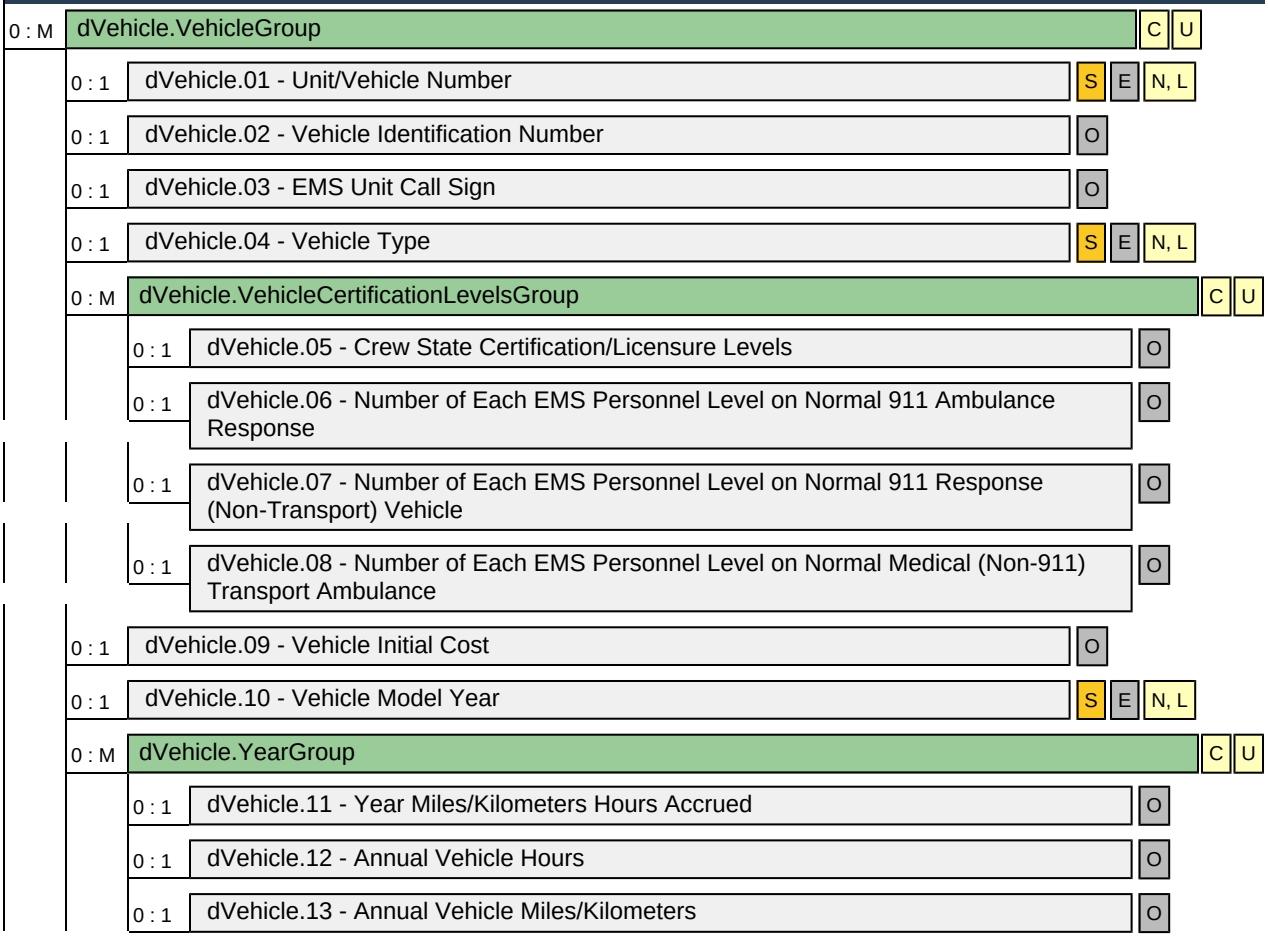
Pattern
([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])|(\+([0-9] ?){6,14}[0-9])

Data Element Comment

dVehicle



dVehicle



dVehicle

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

State

dVehicle.01 - Unit/Vehicle Number

Definition

The unique ID number for the unit which is specific for each vehicle. This ID number may be the state's vehicle's permit number.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D06_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	25

Data Element Comment

This element can be used in EMS PCR documentation to document the vehicle. This element should be used to populate eResponse.13 (EMS Vehicle (Unit) Number).

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Unit/Vehicle Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Unit/Vehicle Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dVehicle.02 - Vehicle Identification Number

Definition

The manufacturer's VIN associated with the vehicle.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	17	17

Data Element Comment

Consider VIN standard ISO-3779 and ISO-3780.

dVehicle.03 - EMS Unit Call Sign

Definition

The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

State

dVehicle.04 - Vehicle Type

Definition

The vehicle type of the unit (ambulance, fire, truck, etc.).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D06_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
1404001	Ambulance
1404003	ATV
1404005	Bicycle
1404007	Fire Apparatus
1404009	Fixed Wing
1404011	Motorcycle
1404013	Other
1404015	Personal Vehicle
1404017	Quick Response Vehicle (Non-Transport Vehicle other than Fire Apparatus)
1404019	Rescue
1404021	Rotor Craft
1404023	Snow Vehicle
1404025	Watercraft

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Vehicle Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Vehicle Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dVehicle.05 - Crew State Certification/Licensure Levels

Definition

The certification/licensure level of the ambulance by the state or the certification/licensure level at which the vehicle is most commonly staffed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

The category Emergency Medical Technician - Intermediate includes EMS professionals with an "85" or "99" certification level.

dVehicle.06 - Number of Each EMS Personnel Level on Normal 911 Ambulance Response

Definition

The number of each personnel level associated with the vehicle crew.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	12

Data Element Comment

Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

dVehicle.07 - Number of Each EMS Personnel Level on Normal 911 Response (Non-Transport) Vehicle

Definition

The number of each personnel level for your EMS Agency's Medical (Non-911) Non-Transport Ambulance.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	12

Data Element Comment

Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

dVehicle.08 - Number of Each EMS Personnel Level on Normal Medical (Non-911) Transport Ambulance

Definition

The number of each personnel level for your EMS Agency's Medical (Non-911) Transport Ambulance.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	12

Data Element Comment

Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05(Crew State Certification/Licensure Levels).

dVehicle.09 - Vehicle Initial Cost

Definition

Initial costs of vehicles held by agency excluding all medical and other equipment not associated with the vehicle. This cost should be inclusive of all sources of funding including grants, donations, and any other capital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_06	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	10,000,000

Data Element Comment

dVehicle.10 - Vehicle Model Year

Definition

The year the vehicle was manufactured.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D06_07	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When Vehicle Model Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When Vehicle Model Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dVehicle.11 - Year Miles/Kilometers Hours Accrued

Definition

The year the hours and miles/kilometers were accumulated.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_08	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

The grouping dVehicle.YearGroup, allows multiple year information to be stored for each EMS vehicle. This includes elements dVehicle.11 - Year Miles/Kilometers Hours Accrued, dVehicle.12 - Annual Vehicle Hours, and dVehicle.13 - Annual Vehicle Miles/Kilometers.

dVehicle.12 - Annual Vehicle Hours

Definition

The number of hours the vehicle was in service for the agency for the defined year.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_09	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	10,000

Data Element Comment

Associated with each year of element dVehicle.11 (Year Miles/Hours Accrued).

dVehicle.13 - Annual Vehicle Miles/Kilometers

Definition

The number of miles/kilometers the vehicle accumulated in service for the agency for the defined year (Odometer Reading).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D06_10	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Attributes

DistanceUnit

9929001 - Kilometers

9929003 - Miles

Constraints

Data Type	totalDigits	fractionDigits
decimal	7	1

Data Element Comment

Associated with each year of (dVehicle.11) Year Miles/Kilometers Hours Accrued.

dPersonnel

Legend

Dataset Level: N National S State D Deprecated

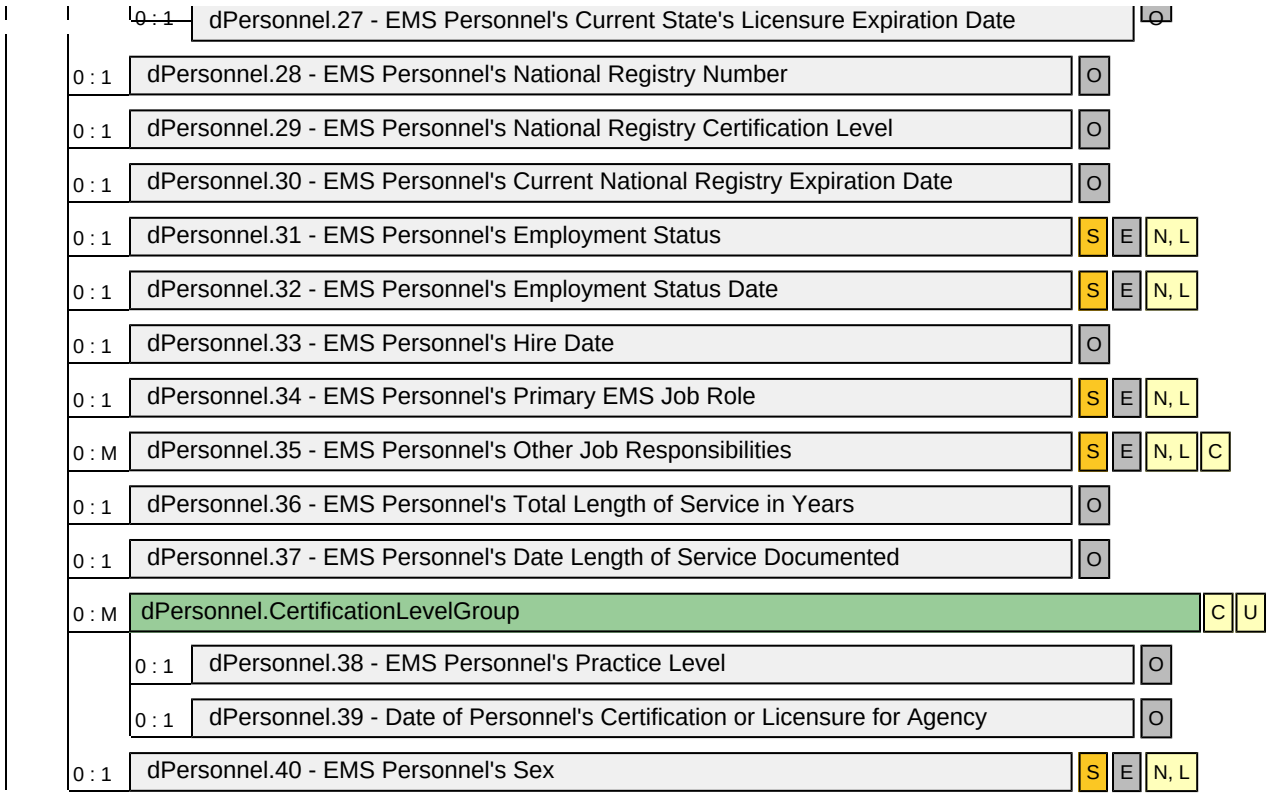
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID

I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

dPersonnel

0 : M	dPersonnel.PersonnelGroup					C	U
0 : 1	dPersonnel.NameGroup						
0 : 1	dPersonnel.01 - EMS Personnel's Last Name					S	E	N, L
0 : 1	dPersonnel.02 - EMS Personnel's First Name					S	E	N, L
0 : 1	dPersonnel.03 - EMS Personnel's Middle Name/Initial					S	E	N, L
0 : 1	dPersonnel.AddressGroup						
0 : 1	dPersonnel.04 - EMS Personnel's Mailing Address					O
0 : 1	dPersonnel.05 - EMS Personnel's City of Residence					O
0 : 1	dPersonnel.06 - EMS Personnel's State					O
0 : 1	dPersonnel.07 - EMS Personnel's ZIP Code					O
0 : 1	dPersonnel.08 - EMS Personnel's Country					O
0 : M	dPersonnel.09 - EMS Personnel's Phone Number					O	C
0 : M	dPersonnel.10 - EMS Personnel's Email Address					O	C
0 : 1	dPersonnel.11 - EMS Personnel's Date of Birth					S	E	N, L
0 : 1	~~dPersonnel.12 - EMS Personnel's Gender~~ (DEPRECATED)					D	S	E	N, L
0 : M	dPersonnel.13 - EMS Personnel's Race					S	E	N, L	C
0 : 1	dPersonnel.14 - EMS Personnel's Citizenship					O
0 : 1	dPersonnel.15 - EMS Personnel's Highest Educational Degree					O
0 : M	dPersonnel.16 - EMS Personnel's Degree Subject/Field of Study					O	C
0 : M	dPersonnel.17 - EMS Personnel's Motor Vehicle License Type					O	C
0 : M	dPersonnel.ImmunizationsGroup					C	U
0 : 1	dPersonnel.18 - EMS Personnel's Immunization Status					O
0 : 1	dPersonnel.19 - EMS Personnel's Immunization Year					O
0 : M	dPersonnel.20 - EMS Personnel's Foreign Language Ability					O	C
0 : 1	dPersonnel.21 - EMS Personnel's Agency ID Number					O
0 : M	dPersonnel.LicensureGroup					C	U
0 : 1	dPersonnel.22 - EMS Personnel's State of Licensure					S	E	N, L
0 : 1	dPersonnel.23 - EMS Personnel's State's Licensure ID Number					S	E	N, L
0 : 1	dPersonnel.24 - EMS Personnel's State EMS Certification Licensure Level					S	E	N, L
0 : 1	dPersonnel.25 - EMS Personnel's State EMS Current Certification Date					O
0 : 1	dPersonnel.26 - EMS Personnel's Initial State's Licensure Issue Date					O



dPersonnel

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

State

dPersonnel.01 - EMS Personnel's Last Name

Definition

The last name of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_01	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Last Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Last Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.02 - EMS Personnel's First Name

Definition

The first name of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's First Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's First Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.03 - EMS Personnel's Middle Name/Initial

Definition

The middle name or initial of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable | 7701003 - Not Recorded | 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Middle Name/Initial is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Middle Name/Initial has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.04 - EMS Personnel's Mailing Address

Definition

The Street or PO Box of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

For individuals living outside the USA the full address can be entered in the address line.

dPersonnel.05 - EMS Personnel's City of Residence

Definition

The city of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dPersonnel.06 - EMS Personnel's State

Definition

The state of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_06	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on ANSI Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dPersonnel.07 - EMS Personnel's ZIP Code

Definition

The ZIP code of the personnel's mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_07	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

Zip Codes Product Website: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

dPersonnel.08 - EMS Personnel's Country

Definition

The country of the personnel mailing address.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
CA	Canada
MX	Mexico
US	United States

Data Element Comment

Based on ANSI Code.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

dPersonnel.09 - EMS Personnel's Phone Number

Definition

The phone number for the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_08	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType

9913001 - Fax	9913003 - Home	9913005 - Mobile
9913007 - Pager	9913009 - Work	

Constraints

Pattern
([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])|(\+([0-9] ?){6,14}[0-9])

Data Element Comment

dPersonnel.10 - EMS Personnel's Email Address

Definition

The primary email address of the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_10	Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

EmailAddressType
9904001 - Personal 9904003 - Work

Constraints

Data Type	minLength	maxLength
string	3	100

Pattern
.+@.+

Data Element Comment

State

dPersonnel.11 - EMS Personnel's Date of Birth

Definition

The personnel's date of birth.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Date of Birth is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Date of Birth has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

Deprecated

State

dPersonnel.12 - EMS Personnel's Gender (DEPRECATED)

Definition

The personnel's gender. (DEPRECATED)

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	DEPRECATED	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
9906001	Female (DEPRECATED)
9906003	Male (DEPRECATED)
9906007	Female-to-Male, Transgender Male (DEPRECATED)
9906009	Male-to-Female, Transgender Female (DEPRECATED)
9906011	Other, neither exclusively male or female (DEPRECATED)
9906005	Unknown (Unable to Determine) (DEPRECATED)

Data Element Comment

Deprecated Comment

The NEMSIS Program is funded by the National Highway Traffic Safety Administration and this element was modified to comply with President Trump's Executive Orders.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Gender (DEPRECATED) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Gender (DEPRECATED) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dPersonnel.13 - EMS Personnel's Race

Definition

The personnel's race as defined by the OMB (US Office of Management and Budget).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_13	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1513001	American Indian or Alaska Native
1513003	Asian
1513005	Black or African American
1513007	Hispanic or Latino
1513009	Native Hawaiian or Other Pacific Islander
1513011	White
1513013	Middle Eastern or North African

Data Element Comment

OMB requirements are provided at: https://www.federalregister.gov/d/2024-06469. A single multiple choice question methodology is being implemented to improve the completion of ethnicity information. Ethnicity (Version 2.1.1: D08_14) has been merged with this data element and retired.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Race is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMS Personnel's Race has a Not Value, no other value should be recorded.

dPersonnel.14 - EMS Personnel's Citizenship

Definition

The documentation of the personnel's citizenship.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	length
string	2

Data Element Comment

Website: https://www.iso.org/iso-3166-country-codes.html

dPersonnel.15 - EMS Personnel's Highest Educational Degree

Definition

The highest educational degree completed by the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
1515001	No Schooling Completed
1515003	Nursery School to 4th Grade
1515005	5th Grade or 6th Grade
1515007	7th Grade or 8th Grade
1515009	9th Grade
1515011	10th Grade
1515013	11th Grade
1515015	12th Grade, No Diploma
1515017	High School Graduate-Diploma or the Equivalent (GED)
1515019	Some College Credit, but Less than 1 Year
1515021	1 or More Years of College, No Degree
1515023	Associate Degree
1515025	Bachelor's Degree
1515027	Master's Degree
1515029	Professional Degree (i.e. MD, DDS, DVM, LLB, JD)
1515031	Doctorate Degree (i.e. PhD, EdD)

Data Element Comment

Based on Census 2000 Educational Attainment Question.

dPersonnel.16 - EMS Personnel's Degree Subject/Field of Study

Definition

The area of the personnel's post high-school (post-secondary) degree.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1516001	Agriculture and Natural Resources
1516003	Architecture and Related Services
1516005	Area, Ethnic, Cultural, and Gender Studies
1516007	Biological and Biomedical Sciences
1516009	Business
1516011	Communication, Journalism, and Related Programs
1516013	Communications Technologies
1516015	Computer and Information Sciences
1516017	Education
1516019	Emergency Medical Services
1516021	Engineering
1516023	Engineering Technologies
1516025	English Language and Literature/Letters
1516027	Family and Consumer Sciences/Human Sciences
1516029	Fire Science
1516031	Foreign Languages, Literatures, and Linguistics
1516033	Health Professions and Related Clinical Sciences, Not Including Emergency Medical Services
1516035	Legal Professions and Studies
1516037	Liberal Arts and Sciences, General Studies, and Humanities
1516039	Library Science
1516041	Mathematics and Statistics
1516043	Military Technologies
1516045	Multi/Interdisciplinary Studies
1516047	Not Classified by Field of Study
1516049	None
1516051	Parks, Recreation, Leisure and Fitness Studies
1516053	Philosophy and Religious Studies
1516055	Physical Sciences and Science Technologies
1516057	Precision Production
1516059	Psychology
1516061	Public Administration and Social Services
1516063	Security and Protective Services, Not Including Fire Science
1516065	Social Sciences and History
1516067	Theology and Religious Vocations
1516069	Transportation and Materials Moving
1516071	Visual and Performing Arts

Data Element Comment

dPersonnel.17 - EMS Personnel's Motor Vehicle License Type

Definition

The type of motor vehicle license (i.e. Class A, B, Pilot, etc.) of the EMS personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1517001	All-Terrain Vehicle (ATV)
1517003	Commercial Class A
1517005	Commercial Class B
1517007	Commercial Class C
1517009	Motorcycle-Class M
1517011	None
1517013	Operator Class D (Normal)
1517015	Other
1517017	Pilot-Rotor Wing Air
1517019	Pilot-Fixed Wing Air
1517021	Snowmobile
1517023	Taxi and Livery Class E

Data Element Comment

dPersonnel.18 - EMS Personnel's Immunization Status

Definition

The type of immunization status.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9910001	Anthrax
9910003	Cholera
9910005	DPT / TDaP (Diphtheria, Pertussis, Tetanus)
9910007	Hemophilus Influenza B
9910009	Hepatitis A
9910011	Hepatitis B
9910013	Human Papilloma Virus (HPV)
9910015	Influenza-H1N1
9910017	Influenza-Other
9910019	Influenza-Seasonal (In past 12 months)
9910021	Lyme Disease
9910023	Meningococcus
9910025	MMR (Measles, Mumps, Rubella)
9910027	Other-Not Listed
9910029	Plague
9910031	Pneumococcal (Pneumonia)
9910033	Polio
9910035	Rabies
9910037	Rotavirus
9910039	Shingles
9910041	Small Pox
9910043	Tetanus
9910045	Tuberculosis
9910047	Typhoid
9910049	Varicella (Chickenpox)
9910051	Yellow Fever
9910053	None

Data Element Comment

dPersonnel.19 - EMS Personnel's Immunization Year

Definition

The year associated with each immunization type.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

dPersonnel.20 - EMS Personnel's Foreign Language Ability

Definition

The languages spoken (other than English) by the personnel with at least an elementary level of proficiency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
amh	Amharic
ara	Arabic
arm	Armenian
ben	Bengali
crp	Cajun (Creole and Pidgins)
chi	Chinese
hrv	Croatian
cze	Czech
dan	Danish
dut	Dutch
fin	Finnish
tai	Formosan
fre	French
cpf	French Creole
ger	German
gre	Greek
guj	Gujarati
heb	Hebrew
hin	Hindi (Urdu)
hun	Hungarian
ilo	Ilocano
itl	Italian
jpn	Japanese
kor	Korean
kro	Kru
lit	Lithuanian
mal	Malayalam
hmn	Miao (Hmong)
mkh	Mon-Khmer (Cambodian)
nav	Navaho
nno	Norwegian
pan	Panjabi
gem	Pennsylvania Dutch (Germanic Other)
per	Persian
pol	Polish
por	Portuguese
rum	Romanian
rus	Russian
sgn	Sign Languages
smo	Samoan
srp	Serbo-Croatian
slo	Slovak
spa	Spanish
swe	Swedish
syr	Syriac
tgl	Tagalog
tha	Thai (Laotian)

tur	Turkish
ukr	Ukrainian
vie	Vietnamese
yid	Yiddish

Data Element Comment

Version 3 Changes Implemented

Added to better describe the EMS workforce.

dPersonnel.21 - EMS Personnel's Agency ID Number

Definition

The local agency ID number for the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D07_01	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

This is a local ID and not the ID associated with the state credential. This may be the same as the state credential ID depending on the state and local implementation. This should be a unique number and not reused.

dPersonnel.22 - EMS Personnel's State of Licensure

Definition

The state of the certification/licensure ID number assigned to the personnel member.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded
7701005 - Not Reporting

Constraints

Pattern

[0-9]{2}

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's State of Licensure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's State of Licensure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.23 - EMS Personnel's State's Licensure ID Number

Definition

The state's licensure/certification ID number for the personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D07_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable | 7701003 - Not Recorded | 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's State's Licensure ID Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's State's Licensure ID Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dPersonnel.24 - EMS Personnel's State EMS Certification Licensure Level

Definition

The personnel's state EMS certification level.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D08_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
9925001	Advanced Emergency Medical Technician (AEMT)
9925002	Emergency Medical Technician - Intermediate
9925003	Emergency Medical Responder (EMR)
9925005	Emergency Medical Technician (EMT)
9925007	Paramedic
9925023	Other Healthcare Professional
9925025	Other Non-Healthcare Professional
9925027	Physician
9925029	Respiratory Therapist
9925031	Student
9925033	Critical Care Paramedic
9925035	Community Paramedicine
9925037	Nurse Practitioner
9925039	Physician Assistant
9925041	Licensed Practical Nurse (LPN)
9925043	Registered Nurse

Data Element Comment

The category Emergency Medical Technician - Intermediate includes EMS professionals with an "85" or "99" certification level.

Some listed health care providers may not have an EMS certification/licensure number, however their level should be indicated from the list above and the state licensure number should be indicated in dPersonnel.23 - EMS Personnel's State's Licensure ID Number.

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's State EMS Certification Licensure Level is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's State EMS Certification Licensure Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.25 - EMS Personnel's State EMS Current Certification Date

Definition

The date of the personnel's current EMS certification/licensure.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_17	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

Clarified as the current certification/licensure.

dPersonnel.26 - EMS Personnel's Initial State's Licensure Issue Date

Definition

The date on which the EMS personnel's state's EMS certification/licensure was originally issued. This is the date of the first certification/licensure for the EMS level.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_18	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

Clarified as the FIRST (original) certification/licensure date.

dPersonnel.27 - EMS Personnel's Current State's Licensure Expiration Date

Definition

The date on which the EMS personnel's (highest) state EMS certification/licensure expires.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

dPersonnel.28 - EMS Personnel's National Registry Number

Definition

The National Registry number associated with the level of certification/licensure obtained through NREMT.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[A-Z][A-Z0-9][0-9]{6}

Data Element Comment

dPersonnel.29 - EMS Personnel's National Registry Certification Level

Definition

The level of the current National Registry of Emergency Medical Technicians (NREMT) certification.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
1529001	Advanced Emergency Medical Technician (AEMT)
1529002	Emergency Medical Technician - Intermediate
1529003	Emergency Medical Responder (EMR)
1529005	Emergency Medical Technician (EMT)
1529007	Paramedic

Data Element Comment

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

dPersonnel.30 - EMS Personnel's Current National Registry Expiration Date

Definition

The date on which the EMS Personnel's National Registry of EMTs certification/licensure expires.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

State

dPersonnel.31 - EMS Personnel's Employment Status

Definition

The personnel's primary employment status for this agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D07_03	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
1531001	Full Time Paid Employee
1531003	Part Time Paid Employee
1531005	Volunteer
1531007	Neither an Employee Nor a Volunteer

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Employment Status is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Employment Status has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.32 - EMS Personnel's Employment Status Date

Definition

The personnel's employment status date.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D07_04	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Employment Status Date is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Employment Status Date has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dPersonnel.33 - EMS Personnel's Hire Date

Definition

The date the employee was hired by the EMS agency for this current job.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

This is intended to collect information based on the current employment/job. If the EMS personnel has a come and go status, this should reflect the most recent employment/job.

State

dPersonnel.34 - EMS Personnel's Primary EMS Job Role

Definition

The individuals primary/main EMS role at the EMS agency. This is the function which is performed the majority of the time for the EMS personnel.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
1534001	Administrator/Manager
1534003	Driver/Pilot
1534005	Educator/Preceptor
1534007	Fire Suppression
1534009	First-Line Supervisor
1534011	Law Enforcement
1534013	Other
1534015	Patient Care Provider
1534017	Rescue

Data Element Comment

This is a single choice data element which should reflect the EMS Personnel's primary/main job role for which he/she functions. It is understood that most EMS personnel perform more than one role as a part of their position. Other roles should be documented in dPersonnel.35 (EMS Personnel's Other Job Responsibilities).

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Primary EMS Job Role is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Primary EMS Job Role has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State

dPersonnel.35 - EMS Personnel's Other Job Responsibilities

Definition

The EMS personnel's other job responsibilities at the agency beyond their primary role documented in dPersonnel.34 (EMS Personnel's Primary EMS Job Role).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1534001	Administrator/Manager
1534003	Driver/Pilot
1534005	Educator/Preceptor
1534007	Fire Suppression
1534009	First-Line Supervisor
1534011	Law Enforcement
1534013	Other
1534015	Patient Care Provider
1534017	Rescue

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Other Job Responsibilities is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Other Job Responsibilities has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_d003	Warning	When EMS Personnel's Other Job Responsibilities has a Not Value, no other value should be recorded.

dPersonnel.36 - EMS Personnel's Total Length of Service in Years

Definition

The personnel's total length of EMS service at any level (years).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_19	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	0	80

Data Element Comment

dPersonnel.37 - EMS Personnel's Date Length of Service Documented

Definition

The date which the length of EMS service was documented.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D08_20	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

Associated with dPersonnel.37 (EMS Personnel's Total Length of Service in Years).

dPersonnel.38 - EMS Personnel's Practice Level

Definition

The EMS certification level at which the individual is providing patient care services for the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D07_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
9925001	Advanced Emergency Medical Technician (AEMT)
9925002	Emergency Medical Technician - Intermediate
9925003	Emergency Medical Responder (EMR)
9925005	Emergency Medical Technician (EMT)
9925007	Paramedic
9925023	Other Healthcare Professional
9925025	Other Non-Healthcare Professional
9925027	Physician
9925029	Respiratory Therapist
9925031	Student
9925033	Critical Care Paramedic
9925035	Community Paramedicine
9925037	Nurse Practitioner
9925039	Physician Assistant
9925041	Licensed Practical Nurse (LPN)
9925043	Registered Nurse

Data Element Comment

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

dPersonnel.39 - Date of Personnel's Certification or Licensure for Agency

Definition

The date that the Certification/Licensure was achieved for the local EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D07_06	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

State

dPersonnel.40 - EMS Personnel's Sex

Definition

The personnel's sex.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
9919001	Female
9919003	Male
9919005	Unknown

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_d001	Error	When EMS Personnel's Sex is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_d002	Error	When EMS Personnel's Sex has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

dDevice

Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID

I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

dDevice

0 : M	dDevice.DeviceGroup	C	U
0 : 1	dDevice.01 - Medical Device Serial Number	O	
0 : 1	dDevice.02 - Medical Device Name or ID	O	
0 : M	dDevice.03 - Medical Device Type	O	C
0 : 1	dDevice.04 - Medical Device Manufacturer	O	
0 : 1	dDevice.05 - Medical Device Model Number	O	
0 : 1	dDevice.06 - Medical Device Purchase Date	O	

dDevice

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

dDevice.01 - Medical Device Serial Number

Definition

The unique manufacturer's serial number associated with a medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_01	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

dDevice.02 - Medical Device Name or ID

Definition

The local number or configurable Name/ID of the medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_02	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

dDevice.03 - Medical Device Type

Definition

The type of medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
1603001	Capnography-Numeric
1603003	Capnography-Waveform
1603005	Chemistry Measurement-Blood or Serum
1603007	Chemistry Measurement-Glucometer
1603009	Chemistry Measurement-Urine
1603011	CPR-External Device
1603013	Defibrillator-Automated
1603015	Defibrillator-Manual
1603017	ECG-12 Lead or Greater
1603019	ECG-Less than 12 Lead (Cardiac Monitor)
1603021	Medication Infusion Pump
1603023	Other
1603025	Oximetry-Carbon Monoxide
1603027	Oximetry-Oxygen
1603029	Pressure Monitors-Invasive
1603031	Pressure Monitors-Non-Invasive
1603033	Respirator (BLS)
1603035	Ventilator (ALS)
1603037	Ventilator Assistance-BiPAP
1603039	Ventilator Assistance-CPAP

Data Element Comment

This is multiple choice to allow documentation of various multifunction device configurations.

dDevice.04 - Medical Device Manufacturer

Definition

The manufacturer of the medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_03	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

dDevice.05 - Medical Device Model Number

Definition

The specific manufacturer's model number associated with medical device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_04	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

dDevice.06 - Medical Device Purchase Date

Definition

The date the device was purchased or placed in service by the EMS agency.

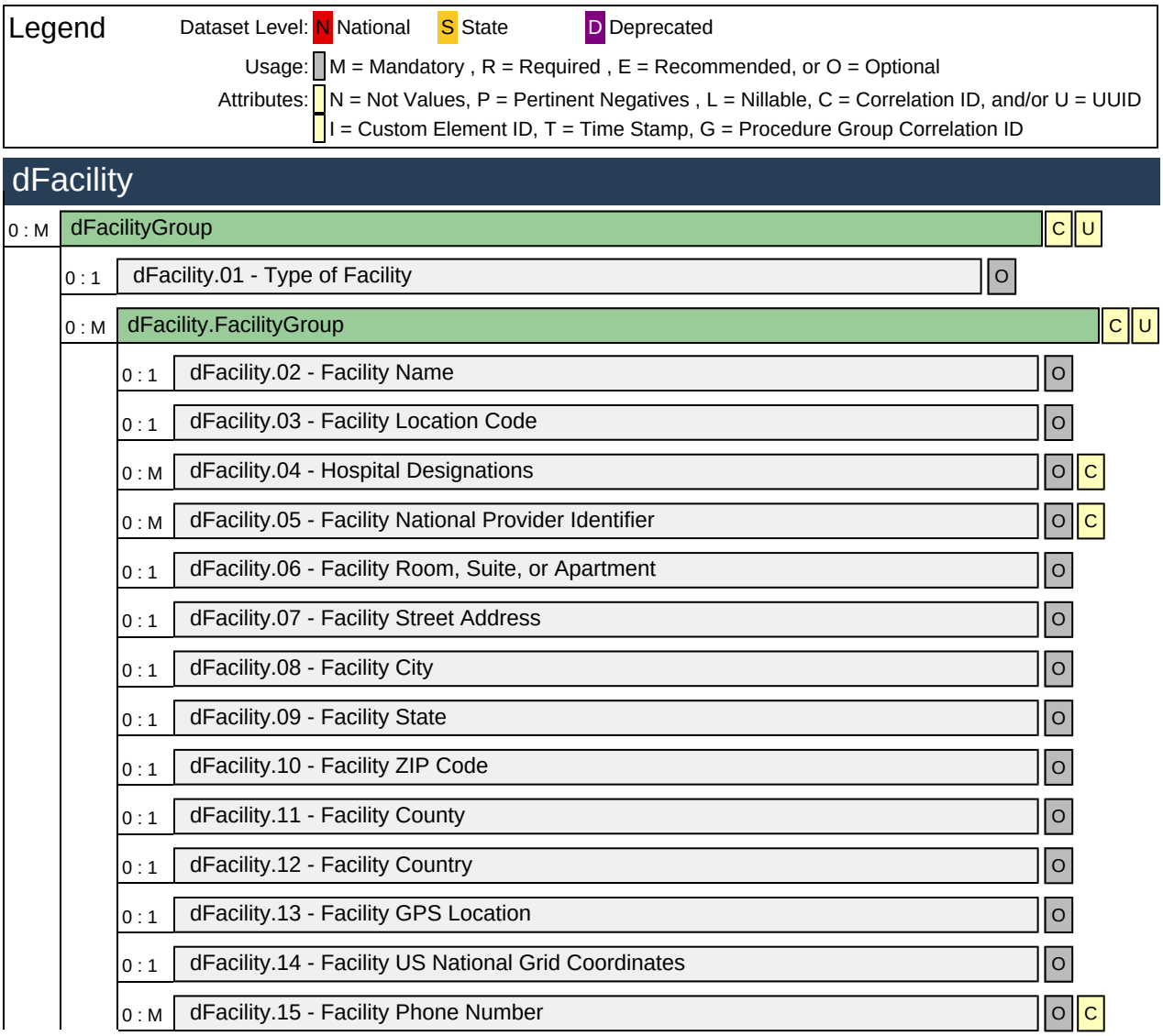
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D09_05	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
date	1900-01-01	2050-01-01

Data Element Comment

dFacility



dFacility

Associated Validation Rules

Rule ID	Level	Message
nemSch_d005	Error	UUID must be universally unique.

dFacility.01 - Type of Facility

Definition

The type of facility (healthcare or other) that the EMS agency transports patients to or from.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_15	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
1701001	Assisted Living Facility
1701003	Clinic
1701005	Hospital
1701007	Nursing Home
1701009	Other
1701011	Urgent Care
1701013	Physical Rehabilitation Facility
1701015	Mental Health Facility
1701017	Dialysis Center
1701019	Diagnostic Services
1701021	Freestanding Emergency Department
1701023	Morgue/Mortuary
1701025	Police/Jail
1701027	Other EMS Responder (air)
1701029	Other EMS Responder (ground)
1701031	Other Recurring Care Center
1701033	Drug and/or Alcohol Rehabilitation Facility
1701035	Skilled Nursing Facility

Data Element Comment

Version 3 Changes Implemented

With the release of v3.5.0 additional values were added to meet the needs of EMS. Reconciled the health care facility descriptions to match those in eDisposition.21 - Type of Destination.

dFacility.02 - Facility Name

Definition

The name of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_11	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

dFacility.03 - Facility Location Code

Definition

The code of the facility as assigned by the state or the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_12	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

The information contained within this element could be used to populate eScene.10 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code) via a drop down list created at either the EMS Agency or State level.

dFacility.04 - Hospital Designations

Definition

The designation(s) associated with the hospital (e.g., Trauma, STEMI, Peds, etc.)

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric Center
9908019	Rehab Center
9908021	Trauma Center Level 1
9908023	Trauma Center Level 2
9908025	Trauma Center Level 3
9908027	Trauma Center Level 4
9908029	Trauma Center Level 5
9908031	Cardiac-STEMI/PCI Capable
9908033	Cardiac-STEMI/PCI Capable (24/7)
9908035	Cardiac-STEMI/Non-PCI Capable
9908037	Stroke-Acute Stroke Ready Hospital (ASRH)
9908039	Stroke-Primary Stroke Center (PSC)
9908041	Stroke-Thrombectomy-Capable Stroke Center (TSC)
9908043	Stroke-Comprehensive Stroke Center (CSC)
9908045	Cancer Center
9908047	Labor and Delivery

Data Element Comment

Stroke Center classifications based on Joint Commission stroke certification:
https://www.jointcommission.org/facts_about_joint_commission_stroke_certification/

dFacility.05 - Facility National Provider Identifier

Definition

The facility National Provider Identifier associated with National Provider System (NPS).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

Constraints

Data Type	length
string	10

Data Element Comment

dFacility.06 - Facility Room, Suite, or Apartment

Definition

The number of the specific room, suite, or apartment of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

dFacility.07 - Facility Street Address

Definition

The address where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Attributes

StreetAddress2
Data Type: string **minLength:** 1 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.03 (Destination Street Address) as appropriate.

dFacility.08 - Facility City

Definition

The city where the facility is located (physical address).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Data Element Comment

The information contained within this element could be used to populate the address information within eScene.17 (Incident City) and/or eDisposition.04 (Destination City) as appropriate.

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dFacility.09 - Facility State

Definition

The state where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.05 (Destination State) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dFacility.10 - Facility ZIP Code

Definition

The zip code where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

The information contained within this element could be used to populate the address information within eScene.19 (Incident ZIP Code) and/or eDisposition.07 (Destination ZIP Code) as appropriate.

ZIP Codes Product Website: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

dFacility.11 - Facility County

Definition

The county where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
[0-9]{5}

Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.21 (Incident County) and/or eDisposition.06 (Destination County) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dFacility.12 - Facility Country

Definition

The country where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
CA	Canada
MX	Mexico
US	United States

Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.22 (Incident Country) and/or eDisposition.08 (Destination Country) as appropriate.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

dFacility.13 - Facility GPS Location

Definition

The facility GPS Coordinates.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?),(\+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9]|[0-9])(\.[0-9]{1,6})?)

Data Element Comment

The information contained within this element could be used to populate the address information within eScene.10 (Scene GPS Location) and/or eDisposition.09 (Destination GPS Location) as appropriate.

The pattern for GPS location is in the format "*latitude*,*longitude*" where:
- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

dFacility.14 - Facility US National Grid Coordinates

Definition

The facility's US National Grid coordinates.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Pattern
([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V]([0-9][0-9]){4,5}

Data Element Comment

Standard found at www.fgdc.gov/usng. The information contained within this element could be used to populate the address information within eScene.11 (Scene US National Grid Coordinates) and/or eDisposition.10 (Disposition Location US National Grid Coordinates) as appropriate.

dFacility.15 - Facility Phone Number

Definition

The facility's phone number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 2 **maxLength:** 255

PhoneNumberType

9913001 - Fax	9913003 - Home	9913005 - Mobile
9913007 - Pager	9913009 - Work	

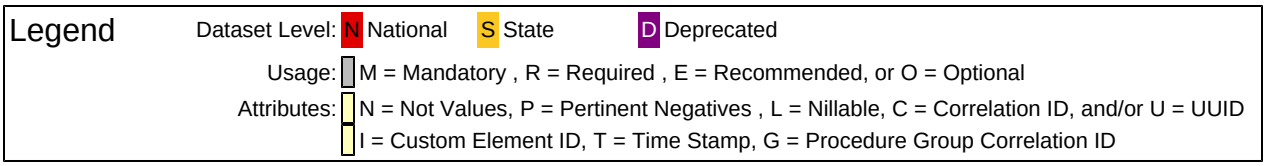
Constraints

Pattern
([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])|(\+([0-9] ?){6,14}[0-9])

Data Element Comment

This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

dCustomResults



dCustomResults

0 : M	dCustomResults.ResultsGroup	C	
1 : M	dCustomResults.01 - Custom Data Element Result	M	N, L, P
1 : 1	dCustomResults.02 - Custom Element ID Referenced	M	
0 : 1	dCustomResults.03 - CorrelationID of DemographicReport Element or Group	O	

dCustomResults

dCustomResults.01 - Custom Data Element Result

Definition

The actual value or values chosen (if values listed in dCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Mandatory	Recurrence	1 : M

Attributes

NOT Values (NV)

Pertinent Negatives (PN)

NV

7701001 - Not Applicable	7701003 - Not Recorded	7701005 - Not Reporting

PN

8801001 - Contraindication Noted	8801003 - Denied By Order	8801005 - Exam Finding Not Present
8801007 - Medication Allergy	8801009 - Medication Already Taken	8801013 - No Known Drug Allergy
8801015 - None Reported	8801017 - Not Performed by EMS	8801019 - Refused
8801021 - Unresponsive	8801023 - Unable to Complete	8801025 - Not Immunized
8801027 - Order Criteria Not Met	8801029 - Approximate	8801031 - Symptom Not Present

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

dCustomResults.02 - Custom Element ID Referenced

Definition

References the CustomElementID attribute for dCustomConfiguration.CustomGroup.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

dCustomResults.03 - CorrelationID of DemographicReport Element or Group

Definition

References the CorrelationID attribute of an element or group in the DemographicReport section.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

sState

Legend		
	Dataset Level:	N National S State D Deprecated
	Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional
	Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
		I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

sState

1 : 1	sState.01 - State	N	S	M

sState

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

Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID

I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

seCustomConfiguration

0 : M	seCustomConfiguration.CustomGroup				I
1 : 1	seCustomConfiguration.01 - Patient Care Report Custom Data Element Title	N	S	M	
1 : 1	seCustomConfiguration.02 - Patient Care Report Custom Definition	N	S	M	
1 : 1	seCustomConfiguration.03 - Patient Care Report Custom Data Type	N	S	M	
1 : 1	seCustomConfiguration.04 - Patient Care Report Custom Data Element Recurrence	N	S	M	
1 : 1	seCustomConfiguration.05 - Patient Care Report Custom Data Element Usage	N	S	M	
0 : M	seCustomConfiguration.06 - Patient Care Report Custom Data Element Potential Values	N	S	O	
0 : M	seCustomConfiguration.07 - Patient Care Report Custom Data Element Potential NOT Values (NV)	N	S	O	
0 : M	seCustomConfiguration.08 - Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN)	N	S	O	
0 : 1	seCustomConfiguration.09 - Patient Care Report Custom Data Element Grouping ID	N	S	O	

seCustomConfiguration

Associated Validation Rules

Rule ID	Level	Message
nemSch_s010	Error	The Custom Element ID for each Patient Care Report Custom Data Element should be unique (the same ID should not be used more than once).

State 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.

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 Type	minLength	maxLength
string	2	255

Data Element Comment

Used to populate eCustomConfiguration.02 Custom Definition.

State 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.

State 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.

State 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.

State 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 Type	minLength	maxLength
string	1	100

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).

State 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).

Associated Validation Rules

Rule ID	Level	Message
nemSch_s013	Error	Patient Care Report Custom Data Element Potential NOT Values (NV) should be unique (the same value should not be listed more than once).

State 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

Rule ID	Level	Message
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).

State 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 Type	minLength	maxLength
string	2	255

Data Element Comment

Used to populate eCustomConfiguration.09 Custom Data Element Grouping ID.

sdCustomConfiguration

Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID

I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID

sdCustomConfiguration

0 : M	sdCustomConfiguration.CustomGroup				I
1 : 1	sdCustomConfiguration.01 - Agency Demographic Custom Data Element Title	N	S	M	
1 : 1	sdCustomConfiguration.02 - Agency Demographic Custom Definition	N	S	M	
1 : 1	sdCustomConfiguration.03 - Agency Demographic Custom Data Type	N	S	M	
1 : 1	sdCustomConfiguration.04 - Agency Demographic Custom Data Element Recurrence	N	S	M	
1 : 1	sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage	N	S	M	
0 : M	sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values	N	S	O	
0 : M	sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV)	N	S	O	
0 : M	sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN)	N	S	O	
0 : 1	sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID	N	S	O	

sdCustomConfiguration

Associated Validation Rules

Rule ID	Level	Message
nemSch_s005	Error	The Custom Element ID for each Agency Demographic Custom Data Element should be unique (the same ID should not be used more than once).

State 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.

State 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 Type	minLength	maxLength
string	2	255

Data Element Comment

Used to populate dCustomConfigration.02 Custom Definition.

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.

State 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.

State 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.

State 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 Type	minLength	maxLength
string	1	100

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	Error	Agency Demographic Custom Data Element Potential Values should be unique (the same value should not be listed more than once).
nemSch_s007	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).

State 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).

State National

sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN)

Definition

Pertinent Negative Values (PN) associated with the agency demographic custom element.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Code List

Code	Description
8801001	Contraindication Noted
8801003	Denied By Order
8801005	Exam Finding Not Present
8801007	Medication Allergy
8801009	Medication Already Taken
8801013	No Known Drug Allergy
8801015	None Reported
8801017	Not Performed by EMS
8801019	Refused
8801021	Unresponsive
8801023	Unable to Complete
8801025	Not Immunized
8801027	Order Criteria Not Met
8801029	Approximate
8801031	Symptom Not Present

Data Element Comment

Used to populate dCustomConfiguration.08 Custom Data Element Potential Pertinent Negative Values (PN).

Associated Validation Rules

Rule ID	Level	Message
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).

State 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

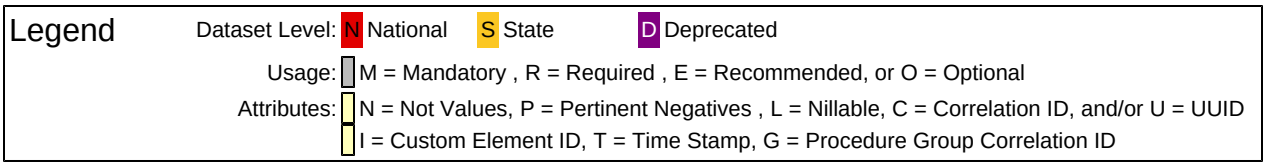
Constraints

Data Type	minLength	maxLength
string	2	255

Data Element Comment

Used to populate dCustomConfiguration.09 Custom Data Element Grouping ID.

sSoftware



sSoftware

1 : 1	sSoftware.SoftwareGroup					
1 : 1	sSoftware.01 - Software Creator	N	S	R	N, L	
1 : 1	sSoftware.02 - Software Name	N	S	R	N, L	
1 : 1	sSoftware.03 - Software Version	N	S	R	N, L	

sSoftware

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 Type	minLength	maxLength
string	1	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When Software Creator is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Software Creator has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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 Type	minLength	maxLength
string	1	50

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.

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 Type	minLength	maxLength
string	1	50

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When Software Version is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Software Version has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

sElement

Legend		
Dataset Level:	N National	S State D Deprecated
Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID	

sElement

1 : M	sElement.01 - State Collected Element	N	S	R	N, L

sElement

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 Type	minLength	maxLength
string	1	100

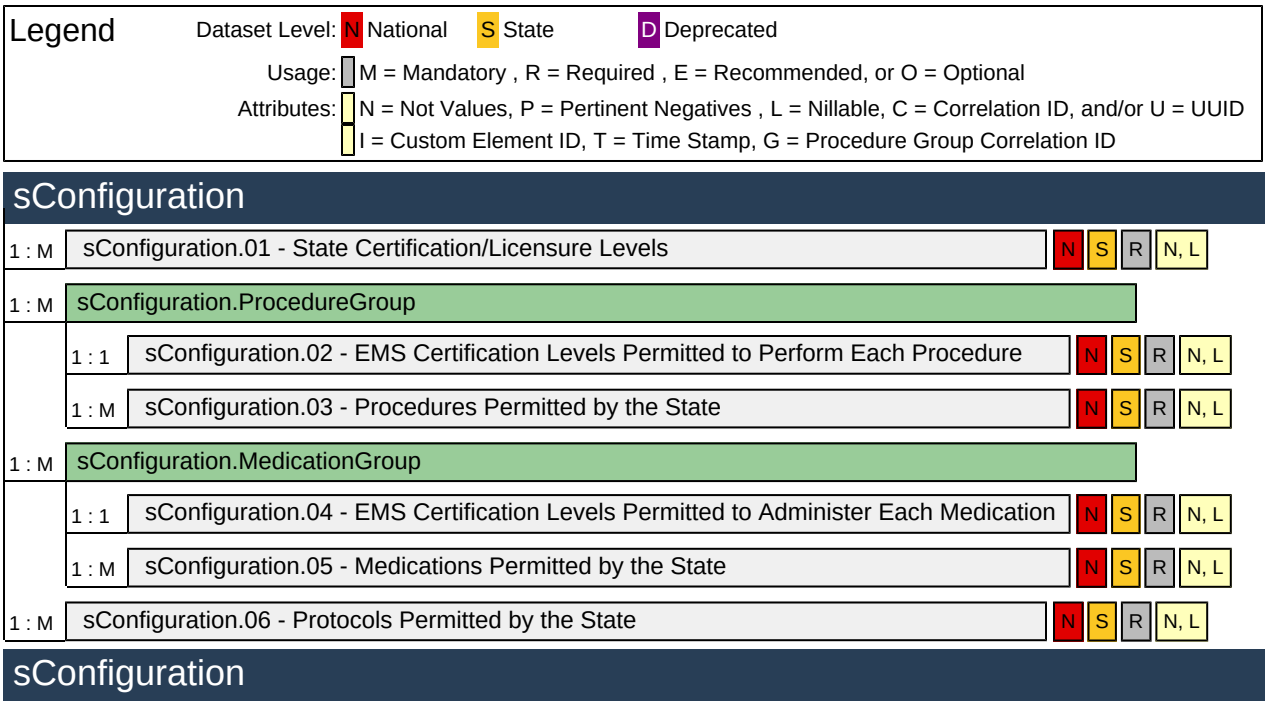
Data Element Comment

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.

Associated Validation Rules

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	Error	When State Collected Element has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	Warning	When State Collected Element has a Not Value, no other value should be recorded.
nemSch_s015	Warning	State Collected Element should be unique (the same element should not be listed more than once).

sConfiguration


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
sConfiguration
1 : M
sConfiguration.01 - State Certification/Licensure Levels
N S R N, L
1 : M
sConfiguration.ProcedureGroup
1 : 1
sConfiguration.02 - EMS Certification Levels Permitted to Perform Each Procedure
N S R N, L
1 : M
sConfiguration.03 - Procedures Permitted by the State
N S R N, L
1 : M
sConfiguration.MedicationGroup
1 : 1
sConfiguration.04 - EMS Certification Levels Permitted to Administer Each Medication
N S R N, L
1 : M
sConfiguration.05 - Medications Permitted by the State
N S R N, L
1 : M
sConfiguration.06 - Protocols Permitted by the State
N S R N, L
sConfiguration

State 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

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When State Certification/Licensure Levels is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When State Certification/Licensure Levels has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	Warning	When State Certification/Licensure Levels has a Not Value, no other value should be recorded.
nemSch_s016	Warning	State Certification/Licensure Levels should be unique (the same level should not be listed more than once).
nemSch_s017	Warning	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s020	Warning	EMS Certification Levels Permitted to Administer Each Medication should be on the list of State Certification/Licensure Levels.

State National

sConfiguration.02 - EMS Certification Levels Permitted to Perform Each Procedure

Definition

The certification/licensure level that is permitted to perform the procedures listed in sConfiguration.03.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

Used to populate dConfiguration.06 EMS Certification Levls Permitted to Perform Each Procedure.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When EMS Certification Levels Permitted to Perform Each Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When EMS Certification Levels Permitted to Perform Each Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s017	Warning	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s018	Warning	EMS Certification Levels Permitted to Perform Each Procedure should be unique (the same level should not be listed more than once).

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 Type	maxInclusive	minInclusive
integer	999999999999999999	100000

Data Element Comment

Used to populate dConfiguration.07 EMS Agency Procedures.

Associated Validation Rules

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	Error	When Procedures Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	Warning	When Procedures Permitted by the State has a Not Value, no other value should be recorded.
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).

State National

sConfiguration.04 - EMS Certification Levels Permitted to Administer Each Medication

Definition

The certification/licensure level that is permitted to administer the medications listed in sConfiguration.05.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

Used to populate dConfiguration.08 EMS Certification Levels Permitted to Administer Each Medication.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When EMS Certification Levels Permitted to Administer Each Medication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When EMS Certification Levels Permitted to Administer Each Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s020	Warning	EMS Certification Levels Permitted to Administer Each Medication should be on the list of State Certification/Licensure Levels.
nemSch_s021	Warning	EMS Certification Levels Permitted to Administer Each Medication should be unique (the same level should not be listed more than once).

State National

sConfiguration.05 - Medications Permitted by the State

Definition

Medications permitted by the state for the certification/licensure level listed in sConfiguration.04.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable 7701003 - Not Recorded
Code Type
9924003 - RxNorm 9924005 - SNOMED-CT

Constraints

Data Type	minLength	maxLength
string	2	9

Data Element Comment

Used to populate dConfiguration.09 EMS Agency Medications

List of medications based on RxNorm (RXCUI) code and SNOMED-CT codes for blood products.. List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resources/

RxNorm
Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

SNOMED-CT
Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
Product: Product - UMLS Metathesaurus.

Allowable SNOMED-CT codes are:
116762002 Administration of blood product
116795008 Transfusion of cryoprecipitate
116861002 Transfusion of fresh frozen plasma
116865006 Administration of albumin
180208003 Intravenous blood transfusion of platelets
33389009 Transfusion of whole blood
71493000 Transfusion of packed red blood cells

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When Medications Permitted by the State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Medications Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	Warning	When Medications Permitted by the State has a Not Value, no other value should be recorded.

nemSch_s022	Warning	Medications Permitted by the State should be unique (the same medication should not be listed more than once for a particular level).
nemSch_s023	Error	Medications Permitted by the State should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_s024	Error	Medications Permitted by the State should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".
nemSch_s025	Error	Medications Permitted by the State should be an RxNorm code of between 2 and 7 digits or a SNOMED code specifically allowed in the data dictionary.

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
9914091	Injury-Diving Emergencies
9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099	Injury-Eye
9914101	Injury-Head
9914103	Injury-Impaled Object
9914105	Injury-Multisystem
9914107	Injury-Spinal Cord
9914109	Medical-Abdominal Pain
9914111	Medical-Allergic Reaction/Anaphylaxis
9914113	Medical-Altered Mental Status
9914115	Medical-Bradycardia
9914117	Medical-Cardiac Chest Pain
9914119	Medical-Diarrhea
9914121	Medical-Hyperglycemia
9914123	Medical-Hypertension
9914125	Medical-Hypoglycemia/Diabetic Emergency
9914127	Medical-Hypotension/Shock (Non-Trauma)
9914129	Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/Reactive Airway
9914141	Medical-Seizure
9914143	Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145	Medical-Stroke/TIA
9914147	Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159	OB/GYN-Gynecologic Emergencies
9914161	OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173	Exposure-Smoke Inhalation
9914175	General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected
9914189	General-Refusal of Care
9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203	Injury-Conducted Electrical Weapon (e.g., Taser)
9914205	Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219	Medical-Opioid Poisoning/Overdose
9914221	Medical-Respiratory Distress-Bronchiolitis

9914223 Medical-Respiratory Distress-Croup
9914225 Medical-Stimulant Poisoning/Overdose

Data Element Comment

Used to populate dConfiguration.10 EMS Agency Protocols.

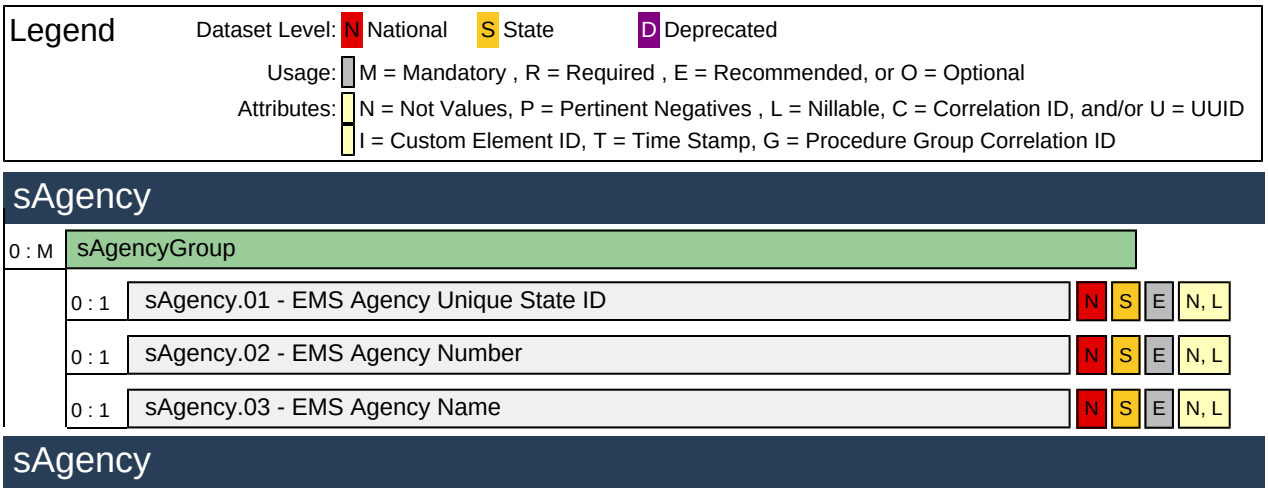
Version 3 Changes Implemented

Added to better identify states with statewide protocols and define state EMS capability and care.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When Protocols Permitted by the State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Protocols Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	Warning	When Protocols Permitted by the State has a Not Value, no other value should be recorded.
nemSch_s026	Warning	Protocols Permitted by the State should be unique (the same protocol should not be listed more than once).

sAgency


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
sAgency
0 : M
sAgencyGroup
0 : 1
sAgency.01 - EMS Agency Unique State ID
N S E N, L
0 : 1
sAgency.02 - EMS Agency Number
N S E N, L
0 : 1
sAgency.03 - EMS Agency Name
N S E N, L
sAgency

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

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 Type	minLength	maxLength
string	1	50

Data Element Comment

Used to populate dAgency.01 EMS Agency Unique State ID.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When EMS Agency Unique State ID is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When EMS Agency Unique State ID has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s027	Warning	EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

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 Type	minLength	maxLength
string	1	15

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)

Associated Validation Rules

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	Error	When EMS Agency Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s027	Warning	EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

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 Type	minLength	maxLength
string	2	100

Data Element Comment

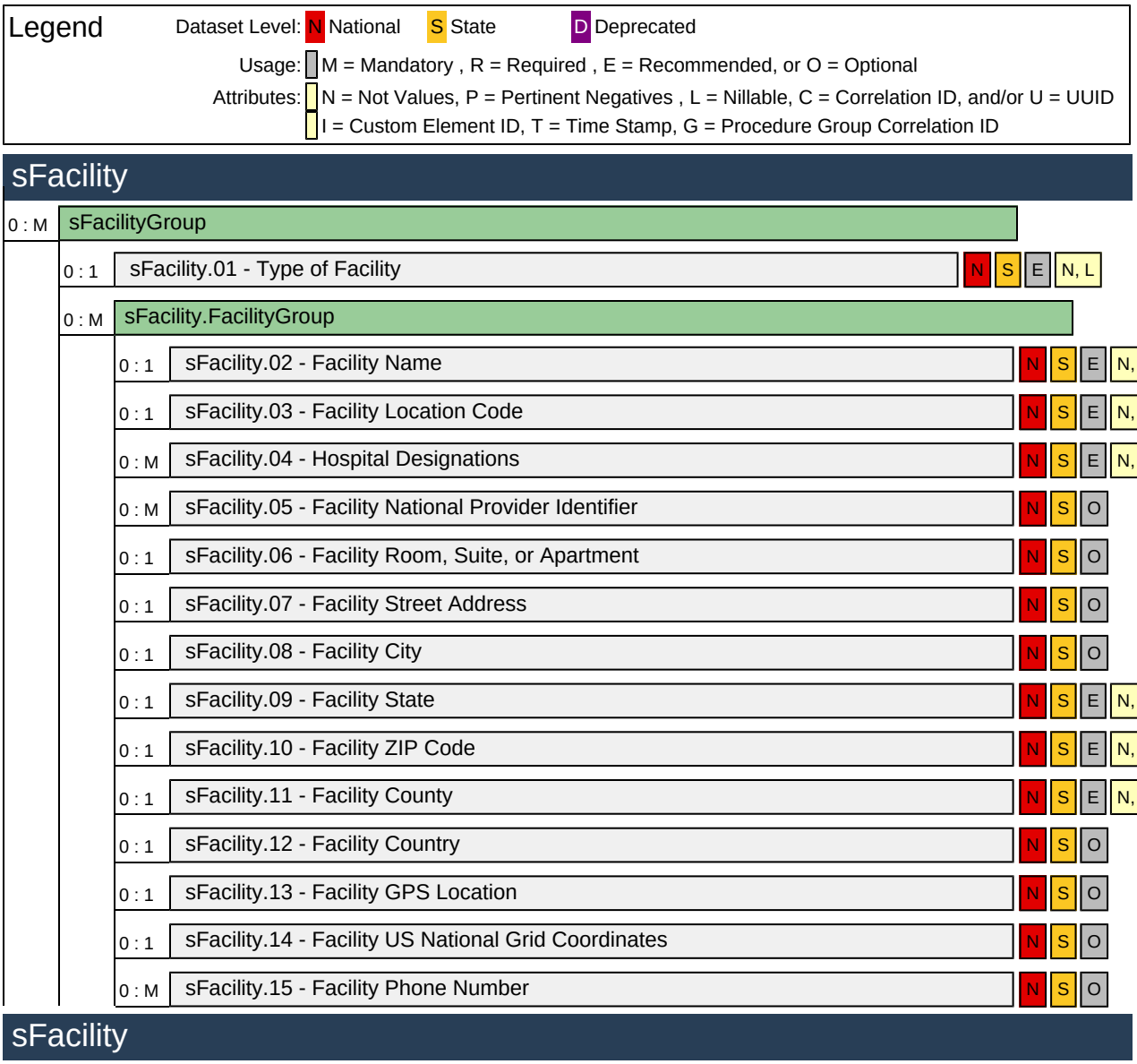
An EMS agency can have more than one Agency Number within a state. This reflects the ability for an EMS agency to have a different number for each service type or location (based on state implementation).

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)

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When EMS Agency Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

sFacility


Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
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0 : M sFacility.FacilityGroup
0 : 1 sFacility.02 - Facility Name N S E N, L
0 : 1 sFacility.03 - Facility Location Code N S E N, L
0 : M sFacility.04 - Hospital Designations N S E N, L
0 : M sFacility.05 - Facility National Provider Identifier N S O
0 : 1 sFacility.06 - Facility Room, Suite, or Apartment N S O
0 : 1 sFacility.07 - Facility Street Address N S O
0 : 1 sFacility.08 - Facility City N S O
0 : 1 sFacility.09 - Facility State N S E N, L
0 : 1 sFacility.10 - Facility ZIP Code N S E N, L
0 : 1 sFacility.11 - Facility County N S E N, L
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0 : 1 sFacility.13 - Facility GPS Location N S O
0 : 1 sFacility.14 - Facility US National Grid Coordinates N S O
0 : M sFacility.15 - Facility Phone Number N S O

sFacility

State National

sFacility.01 - Type of Facility

Definition

The type of facility (healthcare or other) that the EMS agency transports patients to or from.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_15	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
1701001	Assisted Living Facility
1701003	Clinic
1701005	Hospital
1701007	Nursing Home
1701009	Other
1701011	Urgent Care
1701013	Physical Rehabilitation Facility
1701015	Mental Health Facility
1701017	Dialysis Center
1701019	Diagnostic Services
1701021	Freestanding Emergency Department
1701023	Morgue/Mortuary
1701025	Police/Jail
1701027	Other EMS Responder (air)
1701029	Other EMS Responder (ground)
1701031	Other Recurring Care Center
1701033	Drug and/or Alcohol Rehabilitation Facility
1701035	Skilled Nursing Facility

Data Element Comment

Used to populate dFacility.01 Type of Facility.

Associated Validation Rules

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.

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 Type	minLength	maxLength
string	2	100

Data Element Comment

Used to populate dFacility.02 Facility Name

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When Facility Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Facility Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should 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 Type	minLength	maxLength
string	2	50

Data Element Comment

Used to populate dFacility.03 Facility Location Code.

Associated Validation Rules

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.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	Error	When Hospital Designations is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	Error	When Hospital Designations has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003	Warning	When Hospital Designations has a Not Value, no other value should be recorded.
nemSch_s029	Warning	Hospital Designations should be unique (the same designation should not be listed more than once).

State National

sFacility.05 - Facility National Provider Identifier

Definition

The facility National Provider Identifier(s) associated with National Provider System (NPS).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

Constraints

Data 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 Type	minLength	maxLength
string	1	255

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.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s001	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_s002	Error	When Facility State 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.
nemSch_s031	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: https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/ Product: USA - 5-digit ZIP Code Database, Commercial Edition

Used to populate dFacility.10 Facility ZIP Code.

Associated Validation Rules

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.

Associated Validation Rules

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.

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])(\.[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.

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][0-9]){4,5}

Data Element Comment

Standard found at http://www.fgdc.gov/usng.

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	9913005 - Mobile
9913007 - Pager	9913009 - Work	

Constraints

Pattern

([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])|(\+([0-9] ?){6,14}[0-9])

Data Element Comment

This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

Used to populate dFacility.15 Facility Phone Number.

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