

NEMSIS Data Dictionary

NHTSA v3.5.0 Build 250403 Critical Patch 5

EMS Data Standard

National Elements Only

Version Date: April 03, 2025

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

www.NEMSIS.org

NEMSIS Data Dictionary Version 3.5.0 Overview

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

The charts below outline the composition of the NEMSIS data standard into three data sets, EMS (ePCR), Demographic (Agency), and StateDataSet (SDS). They also show how the standard has changed from the previous version (v3.4.0) to the current version (v3.5.0).

Usage	EMSDataSet	DEMDataSet	StateDataSet	Total
Mandatory	21	25	11	57
Required	130	4	10	144
Recommended	56	41	10	107
Optional	234	82	16	332
Total	441	152	47	640

Composition of the NEMSIS Version 3.5.0 Standard

Changes from v3.4.0 to v3.5.0

Overall Changes				
	New	Updated	Deprecated	
Total	75	100	60	
EMS Elements	27	80	11	
DEM Elements	1	20	5	
StateDataSet Elements	47	0	44	

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

NEMSIS Version 3.5.0 Data Dictionary Content

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

Data Element Number (1)

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

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

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

Data Element Name (3)

• The name for the data element.

Data Element Definition (4)

• The definition for the data element.

Version 2 Number (7)

- The NEMSIS Version 2.2.1 Data Element Number.
- If the Data Element is new to Version 3.5.0, the Version 2 Number will be blank.

Data Structure Information

- Recurrence (12)
 - Indication that the data element can have more than one value.
 - •Represented by two characters separated by a colon. The configuration includes:
 - •0:1 = element is not required and can occur only once
 - •0:M = element is not required and can repeat multiple times
 - •1:1 = element is required and can occur only once
 - •1:M = element is required and can repeat multiple times
- Usage (8)
 - Indication of when the data element is expected to be collected.
 - Mandatory = Must be completed and does not allow for NOT values
 - Required = Must be completed and allows NOT values
 - **Recommended** = Does not need to be completed and allows NOT values
 - **Optional** = Does not need to be completed and does not allow for NOT values
- NOT Value Characteristics (10)
 - Indication that the data element can have NOT values.
 - NOT Values are used (where permitted) to document that a data element was not applicable, not completed, or not collected by the state.
 - NOT Values are documented as an attribute of an element. It allows the documentation of NOT value when a real value is not documented.
 - Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill:

https://nemsis.org/media/nemsis_v3/master/UsageGuides/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:
- $[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[1-5][a-fA-F0-9]{3}-[89abAB][a-fA-F0-9]{3}-[a-fA-F0-9]{12}]{12}-[a-fA-F0-9]{12$
- 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)

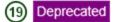
• Comments providing insight into specific Version 3 changes such as new or revised data elements.

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.



1 eExample.01

2 Stat

National

3 eExample.01 - Example Element Name

$\tilde{\sim}$							
4)	Definition						
	The definition of the element	nt.					
5	National Element		Yes	Pertinent Negativ	/es (PN)	Yes	9
٢	State Element		Yes	NOT Values		Yes	9
$\overline{\mathfrak{T}}$	Version 2 Element		E00_01	Is Nillable		Yes	1
٤	Usage		Required	Recurrence		1:1	
<u>1</u> 3	Associated Performance M	easure	Initiatives				
	Airway Cardiac Arrest	Pediatr	ic STEMI	Stroke Trauma			
14	Attributes						
-	NOT Values (NV) 7701001 - Not Applicable		7701003 - Not Red	corded	7701005 - N	lot Reporting	
	Pertinent Negatives (PN) 8801001 - Contraindication Noted 8801007 - Medication Allergy 8801015 - None Reported 8801021 - Unresponsive 8801027 - Order Criteria Not Met		8801003 - Denied By Order 8801009 - Medication Already Taken 8801017 - Not Performed by EMS 8801023 - Unable to Complete		8801005 - Exam Finding Not Present 8801013 - No Known Drug Allergy 8801019 - Refused 8801025 - Not Immunized 8801031 - Symptom Not Present		
	Code Type 9924001 - ICD-10		9924003 - RxNorn	n	9924005 - S	NOMED-CT	
	CorrelationID Data Type: String minLength:		: 0	maxL	ength: 255		
	nemsisCode Data Type: String white Space: preserve						
	nemsisElement Data Type: String whi	iteSpace	teSpace: preserve				
	customValueDescription Data Type: String whi	iteSpace	e: preserve				
	StreetAddress2 Data Type: String mir	Length	:1	maxL	ength: 255		
	DistanceUnit 9929001 - Kilometers		9929003 - Miles				
	EmailAddressType 9904001 - Personal		9904003 - Work				
	PhoneNumberType 9913001 - Fax 9913007 - Pager		9913003 - Home 9913009 - Work		9913005 - N	lobile	
	VelocityUnit 9921001 - Kilometers per Hour		9921003 - Miles pe	er Hour			
15	Constraints						
Ŭ	Data Type minIncl dateTime 1950-01			: Inclusive 0-01-01T00:00:00-00	:00		
	Pattern [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2	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 SSEE011 Value				
17	Data Element Comment				
	The data elemer	nt comment.			
18	Version 3 Cha	nges Imple	emented		
	Any V3 change of	comments			
(19	Deprecated Co	omments			
	Any deprecation comments				
20	Associated Va	lidation Ru	iles		
-	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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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	Hea	der			
	1:1	Dem	nographicGroup		
		1:1	dAgency.01 - EMS Agency Unique State ID N	S M	
		1:1	dAgency.02 - EMS Agency Number	S M	
		1:1	dAgency.04 - EMS Agency State	S M	
	1 : M	PatientCareReport			
		1:1 eRecord			
		1:1	eResponse		
		1:1	eDispatch		
		1:1	eTimes		
		1:1	ePatient		
		1:1 ePayment			
		1:1 eScene			
		1:1 eSituation			
		1:1 elnjury			
		1:1	eArrest		
		1:1	eHistory		
		1:1	eVitals		
		1:1	eProtocols		
		1:1	eMedications		
		1:1	eProcedures		
		1:1	eDisposition		
		1:1	eOutcome		
EM	ISDa	ataS	Set		

DEMDataSet

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

DEMDataSet						
1 : M	DemographicReport T					
	1:1 dAgency					
	1:1 dConfiguration					
DEMDataSet						
Associated Validation Rules						

71000010100 70								
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: 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			
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID		

Sta	teDataSet					
1:1	sState					
0 : 1	seCustomConfiguration					
0 : 1	sdCustomConfiguration					
1:1	sSoftware					
1:1	sElement					
1:1	sConfiguration					
0 : 1	sAgency					
0:1	sFacility					
Sta	StateDataSet					
Ass	Associated Validation Rules					

l								
	Rule ID	Level	Message					
	nemSch_s004	Error	The timestamp of the StateDataSet should not be in the future (the current time accord system is (value)).	ing to this				

dAgency.01

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 Ele	ment	Yes	Pertinent Negatives (PN)		(PN)	No		
State Eleme	nt	Yes	NOT Values		No			
Version 2 El	ement		Is Nillable		No			
Usage		Mandatory	Recurrenc	Recurrence		1:1		
Associated F	Performance Me	asure Initiatives						
Airway C	vay Cardiac Arrest Pediatric Response		STEMI	Stroke	Trauma	l.		
Constraints	Constraints							
Data TypeminLengthmaxstring150		axLength						

Data Element Comment

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

dAgency.02

National

dAgency.02 - EMS Agency Number

Definition			
The state-assigned provid	ler number of the respor	iding 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 Trat	uma
Constraints			
Data TypeminLengthmastring115		n axLength 5	

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

State

National

dAgency.04 - EMS Agency State

Definition The state/territory which assigned the EMS agency number. National Element Yes Pertinent Negatives (PN) No **NOT** Values No Yes State Element Is Nillable No Version 2 Element D01_03 Recurrence 1:1 Usage Mandatory Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Constraints Pattern [0-9]{2}

Data Element Comment

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

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

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



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

eRecord.01

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 E	Element	Yes		Pertinent Negatives (PN)			No		
State Eler	ment	Yes		NOT Values			No		
Version 2	Element	E01_01		Is Nillable				No	
Usage		Mandatory	ndatory Recurrence)e		1:1		
Associate	d Performance Me								
Airway	Cardiac Arrest	Pediatric Respon	Response STEMI Stroke Trauma		Trauma	l			
Constrain	ts								
Data Type string	minLengt 3	gth ma 50		ngth					
Data Elen	Data Element Comment								

eRecord.02

National

eRecord.02 - Software Creator

Definition

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

Data Type string	minLength 1		maxLength 50	
Constraints				
Usage		Mandatory	Recurrence	1:1
Version 2 Element		E01_02	Is Nillable	No
State Element		Yes	NOT Values	No
National Element		Yes	Pertinent Negatives (PN)	No

Data Element Comment

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

eRecord.03

National

eRecord.03 - Software Name

De	əfin	itio	n
		nuo	

The name of the application used to create this record.

Data Type string	minLength 1		maxLength 50	
Constraints				
Usage		Mandatory	Recurrence	1:1
Version 2 Element		E01_03	Is Nillable	No
State Element		Yes	NOT Values	No
National Eleme	ent	Yes	Pertinent Negatives (PN)	No

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.

eRecord.04

National

eRecord.04 - Software Version

Definition				
The version of	f the application	n used to create this r	ecord.	
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 string				
Data Element	Comment			

eResponse

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

eR	eResponse					
1:1	eResponse.AgencyGroup					
	1:1 eResponse.01 - EMS Agency Number	N S M				
1:1	eResponse.03 - Incident Number	N S R N, L				
1:1	eResponse.04 - EMS Response Number	N S R N, L				
1:1	eResponse.ServiceGroup					
	1:1 eResponse.05 - Type of Service Requested	N S M				
1:1	eResponse.07 - Unit Transport and Equipment Capability	NSM				
1 : M	eResponse.08 - Type of Dispatch Delay	N S R N, L				
1 : M	eResponse.09 - Type of Response Delay	N S R N, L				
1 : M	eResponse.10 - Type of Scene Delay	N <mark>S</mark> R <mark>N, L</mark>				
1 : M	eResponse.11 - Type of Transport Delay	N S R N, L				
1 : M	eResponse.12 - Type of Turn-Around Delay	N S R N, L				
1:1	eResponse.13 - EMS Vehicle (Unit) Number	NSM				
1:1	eResponse.14 - EMS Unit Call Sign	NSM				
1:1	eResponse.23 - Response Mode to Scene	N S M				
1 : M	eResponse.24 - Additional Response Mode Descriptors	N S R N, L				
eR	esponse					

eResponse.01

State

National

eResponse.01 - EMS Agency Number

Definition							
The state-assigned provide	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 M	Associated Performance Measure Initiatives						
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Traum	a				
Constraints							
Data TypeminLengthmaxLengthstring115							
Data Element Comment							
The EMS Agency Number in el section.	Response.01 can auto-popul	ate from dAgency.02 EMS Agency	Number in the demographic				
Associated Validation Rules							
Rule ID Level Me	essage						

nemSch_e011 Warning EMS Agency Number in the patient care report should match EMS Agency Number in the agency demographic information.

eResponse.03

State

National

eResponse.03 - Incident Number

Definition						
	4	a a la ma a l la c		h Overtage		
The Inciden	t number a	issigned by	the 911 Dispatc	n System.		
National Ele	ment		Yes	Pertinent Negatives (PN)	No	
State Element Yes			Yes	NOT Values	Yes	
Version 2 El	ement		E02_02	Is Nillable	Yes	
Usage			Required	Recurrence	1:1	
Attributes						
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded						
Constraints						
Data Type string	mir 3	minLengthmaxLength350				
Data Elemer	nt Comme	nt				
This number of event or patie		to associate	multiple EMS respo	nses, dispatch information, and othe	r information to the same EMS	
Associated V	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.

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 Ele	ement	E02_03	Is Nillable	Yes		
Usage		Required	Recurrence	1:1		
Attributes						
NOT Values (N 7701001 - Not		7701003 - Not Red	corded			
Constraints	Constraints					
Data Type string	minLeng 3	Length maxLength 50				
Data Elemen	t Comment					
Associated V	alidation Rules					
Rule ID	Level Mes	Message				
nemSch_e001	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 Reporting), it should be empty.			ot Recorded, or Not			

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 Mea	asure Initiatives				
Airway Cardiac Arrest F	Pediatric Response	STEMI Stroke Traur	าล		
Code List					
CodeDescription2205001Emergency Response (Primary Response Area)2205003Emergency Response (Intercept)2205009Emergency Response (Mutual Aid)2205005Hospital-to-Hospital Transfer2205015Hospital-to-Hospital Transfer2205017Non-Hospital Facility Transfer2205019Non-Hospital Facility to Non-Hospital Facility Transfer2205017Non-Hospital Facility to Non-Hospital Facility Transfer2205017Non-Hospital Facility to Hospital Transfer2205017Other Routine Medical Transport2205011Public Assistance2205023Standby2205024Support Services2205025Crew Transport Only2205026Crew Transport Only2205027Transport of Organs or Body Parts2205031Mobile Integrated Health Care Encounter2205033Evaluation for Special Referral/Intake Programs2205035Administrative Operations					

Data Element Comment

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

Version 3 Changes Implemented

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

Rule ID	Level	Message
nemSch_e07	5 <mark>Warning</mark>	Date/Time of Symptom Onset should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e07	6 <mark>Warning</mark>	Possible Injury should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e07	8 <mark>Warning</mark>	Chief Complaint Anatomic Location should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".

nemSch_e079 Warning	Chief Complaint Organ System should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e080 <mark>Warning</mark>	Primary Symptom should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_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".

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 Ele	ement	Yes	NOT Values	No
Version 2	2 Element	E02_05	Is Nillable	No
Usage		Mandatory	Recurrence	1:1
Associate Airway	ed Performance Me Cardiac Arrest	asure Initiatives Pediatric Response	STEMI Stroke Trauma	
Code Lis				
Code 2207011 2207013 2207015 2207017 2207019 2207021 2207023	•	′ing S Equipped) S Equipped)		

2207025 Wheel Chair Van/Ambulette

2207027 Non-Transport-No Medical Equipment

Data Element Comment

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

Supervisor clarified to Administrative Only. If the Supervisor is responding to assist, that would be considered Non-Transport. Transport separated into Air and Ground. In Version 2 there was no way to identify Air Transport.

Version 3 Changes Implemented

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

National

eResponse.08 - Type of Dispatch Delay

Definition The dispatch delays, if any, associated with the dispatch of the EMS unit to the EMS event. National Element Yes Pertinent Negatives (PN) No **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element E02 06 1 : M Usage Required Recurrence Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Code List Code Description 2208001 Caller (Uncooperative) Diversion/Failure (of previous unit) 2208003 2208005 High Call Volume 2208007 Language Barrier 2208009 Incomplete Address Information Provided 2208011 No EMS Vehicles (Units) Available 2208013 None/No Delay 2208015 Other 2208017 Technical Failure (Computer, Phone etc.) 2208019 Communication Specialist-Assignment Error 2208021 No Receiving MD, Bed, Hospital 2208023 Specialty Team Delay

Data Element Comment

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

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

eResponse.09

State

National

eResponse.09 - Type of Response Delay

Definition The response delays, if any, of the EMS unit associated with the EMS event. National Element Yes Pertinent Negatives (PN) No **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element E02 07 1 : M Usage Required Recurrence Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes **NOT Values (NV)** 7701001 - Not Applicable 7701003 - Not Recorded Code List Code Description 2209001 Crowd 2209003 Directions/Unable to Locate 2209005 Distance 2209007 **Diversion (Different Incident)** 2209009 HazMat 2209011 None/No Delay 2209013 Other 2209015 Rendezvous Transport Unavailable 2209017 Route Obstruction (e.g., Train) 2209019 Scene Safety (Not Secure for EMS) 2209021 Staff Delay 2209023 Traffic Vehicle Crash Involving this Unit 2209025 Vehicle Failure of this Unit 2209027 2209029 Weather 2209031 Mechanical Issue-Unit, Equipment, etc. 2209033 Flight Planning

Data Element Comment

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

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

Associated Validat	Associated Validation Rules			
Rule ID Leve	Message			
nemSch_e001 <mark>Erro</mark>	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 <mark>Erro</mark>	When Type of Response Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.			
nemSch_e009 <mark>War</mark> ı	When Type of Response Delay has a Not Value, no other value should be recorded.			
nemSch_e013 War	When Type of Response Delay is "None/No Delay", no other value should be recorded.			

eResponse.10

National

eResponse.10 - Type of Scene Delay

The scene delays, if any, of the EMS unit associated with the EMS event. National Element Yes Pertinent Negatives (PN) No State Element Yes Version 2 Element E02_08 Usage Required Recurrence 1 : M Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Tot Values (NV) 7701003 - Not Recorded Code List Tot Opescription			y				
National Element Yes Pertinent Negatives (PN) No State Element Yes NOT Values Yes Version 2 Element E02_08 Is Nillable Yes Usage Required Recurrence 1 : M Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Code List Code Description 2210001 Awaiting Ground Unit 2210005 Crowd 2210000 Distance Barrier 2210005 Crowd 221001 Extrication 2210001 Extrication 221001 Extrication 221001 Extrication 221001 Extrication 2210012 Safety-Patient 221002 Safety-Patient 221002 221002 221002 221002 Safety-Patient 221003 221002 Safety-Patient 221003 221003 221002 Safety-Patient 221003 221003 Safety-Patient 221003 Safety-Patient 221003 Safety-Patient	Definition						
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) 7701003 - Not Recorded Trauma Code List 7701003 - Not Recorded Code List Encorded Encorded Code List Discons/Unable to Locate 2210000 State Language Barrier 2210001 Awaiting Ground Unit 2210001 Extrication 2210001 Extrication 2210011 Extrication 2210012 Extrication 2210011 Extrication 2210013 HazMat 2210014 2210015 Enguage Barrier 2210021 Patient Access 2210021 Safety-Patient 2210025 Safety-Patient 2210022 Safety-Crew/Staging 2210025 Safety-Crew/Staging 2210027 Safety-Patient 2210027 Stafety Crash Involving this Unit 2210037 Vehicle Crash Involving this Unit 2210037	The scene delays, if any	of the EMS	unit associate	ed with the	EMS event.		
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) 7701003 - Not Recorded Code Code Version 2 Code Description 2210001 Awaiting Air Unit 2210001 Awaiting Ground Unit 2210001 Awaiting Ground Unit 2210001 Distance 2210001 Extrication 2210015 Language Barrier 2210015 Language Barrier 2210012 Safety-Crew/Staging 2210021 Safety-Crew/Staging 221002 Safety-Patient 221002 221002 Safety-Crew/Staging 221002 2210027 Safety-Patient 2210027 Safety-Crew/Staging 2210027 Safety-Crew/Staging 2210027 2210031 Triage/Multiple Patients 2210033 Vehicle Grash Involving this Unit 2210034 Vehicle Crash Involving this Unit 2210037 Vehicle Crash Involving this Unit 2210037 Vehicle Crash Involving this Unit 2210037 Vehi	National Element		Yes	Pertinent Negatives (PN)		No	
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 List Code Cow Description 2210001 Awaiting Ground Unit 2210002 Crowd 2210001 Awaiting Ground Unit 2210002 Directions/Unable to Locate 2210001 Extrication 2210001 Extrication 2210011 Extrication 2210012 Safety-Crowd 2210012 Safety-CrowStaging 2210022 Safety-CrewStaging 2210022 Safety-Patient Access 2210022 Safety-Patient Access 2210022 Safety-CrewStaging 2210023 Vehicle Failure of this Unit 2210033 Vehicle Crash Involving this Unit 2210034 Vehicle Crash Involving this Unit 2210037 V	State Element		Yes	NOT Valu	ues		Yes
Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Code List Code Description 2210001 Awaiting Ground Unit 2210005 Crowd 2210007 Directions/Unable to Locate 2210001 Extrication 2210011 Extrication 2210011 Extrication 2210011 Extrication 2210012 Language Barrier 2210013 HazMat 2210025 Safety-Patient 2210025 Safety-Patient 2210025 Safety-Patient 2210025 Safety-Patient 2210025 Safety-Patient 2210025 Triage/Multiple Patients 2210027 Triage/Multiple Patients 2210031 Triage/Multiple Patients 2210032 Vehicle Crash Involving this Unit 2210033 Vehicle Crash Involving this Unit 2210034 Weather 2210037 Weather 2210037 Weather 2210037 Mechanical Issue-Unit, Equipment, etc.	Version 2 Element		E02_08	Is Nillable	Э		Yes
Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Code List Code Description 2210001 Awaiting Ground Unit 2210005 Crowd 2210007 Directions/Unable to Locate 2210007 Directions/Unable to Locate 2210019 Distance 2210011 Extrication 2210013 HazMat 2210015 Language Barrier 2210015 Language Barrier 2210013 Safety-Crew/Staging 2210025 Safety-Patient 2210025 Safety-Patient 2210025 Safety-Patient 2210027 Traffic 2210027 Traffic 2210027 Traffic 2210031 Triage/Multiple Patients 2210032 Vehicle Cash Involving this Unit 2210033 Weather 2210034 Mechanical Issue-Unit, Equipment, etc.	Usage	F	Required	Recurren	ice		1 : M
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Code Description 2210001 Awaiting Ground Unit 2210003 Awaiting Ground Unit 2210005 Crowd 2210009 Distance 2210011 Extrication 2210013 HazMat 2210014 HazMat 2210015 Language Barrier 2210017 None/No Delay 2210021 Patient Access 2210022 Safety-Crew/Staging 2210023 Safety-Patient 2210029 Traffic 2210031 Triage/Multiple Patients 2210032 Vehicle Crash Involving this Unit 2210033 Vehicle Crash Involving this Unit 2210037 Weather 2210037 Weather 2210039 Weather		Measure In	itiatives] [] [
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Code List Description 2210001 Awaiting Air Unit 2210005 Crowd 2210007 Directions/Unable to Locate 2210009 Distance 2210011 Extrication 2210012 HazMat 2210013 HazMat 2210014 Safety-Crew/Staging 2210025 Safety-Patient 2210027 Staff Delay 2210029 Triage/Multiple Patients 2210029 Vehicle Crash Involving this Unit 2210033 Vehicle Failure of this Unit 2210034 Vehicle Failure of this Unit 2210035 Vehicle Failure of this Unit 2210037 Weather 2210037 Weather				STEMI	Stroke	Trauma	
7701001 - Not Applicable 7701003 - Not Recorded Code List Code Maxiting Air Unit 2210001 Awaiting Ground Unit 2210005 Crowd 2210007 Directions/Unable to Locate 2210009 Distance 2210011 Extrication 2210013 HazMat 2210014 HazMat 2210015 Language Barrier 2210017 None/No Delay 2210021 Patient Access 2210022 Safety-Crew/Staging 2210023 Safety-Patient 2210029 Traffic 2210021 Triage/Multiple Patients 2210023 Vehicle Crash Involving this Unit 2210033 Vehicle Crash Involving this Unit 2210034 Weather 2210035 Vehicle Crash Involving this Unit 2210037 Weather 2210039 Mechanical Issue-Unit, Equipment, etc.	Attributes						
CodeDescription2210001Awaiting Air Unit2210003Awaiting Ground Unit2210005Crowd2210007Directions/Unable to Locate2210009Distance2210011Extrication2210013HazMat2210015Language Barrier2210015Language Barrier2210017None/No Delay2210019Other2210021Patient Access2210025Safety-Crew/Staging2210025Safety-Patient2210029Traffic2210031Triage/Multiple Patients2210032Vehicle Crash Involving this Unit2210033Vehicle Failure of this Unit2210037Weather2210039Mechanical Issue-Unit, Equipment, etc.	NOT Values (NV) 7701001 - Not Applicable	7	′701003 - Not Re [,]	corded			
2210001Awaiting Air Unit2210003Awaiting Ground Unit2210005Crowd2210007Directions/Unable to Locate2210009Distance2210011Extrication2210012HazMat2210013HazMat2210015Language Barrier2210017None/No Delay2210019Other2210021Patient Access2210023Safety-Crew/Staging2210025Safety-Patient2210027Staff Delay2210031Triage/Multiple Patients2210032Vehicle Crash Involving this Unit2210033Weather2210039Mechanical Issue-Unit, Equipment, etc.	Code List						
2210003Awaiting Ground Unit2210005Crowd2210007Directions/Unable to Locate2210009Distance2210011Extrication2210011HazMat2210015Language Barrier2210015Language Barrier2210017None/No Delay2210019Other2210021Patient Access2210023Safety-Crew/Staging2210025Safety-Patient2210029Traffic2210031Triage/Multiple Patients2210035Vehicle Crash Involving this Unit2210037Weather2210039Mechanical Issue-Unit, Equipment, etc.							
2210005Crowd2210007Directions/Unable to Locate2210009Distance2210011Extrication2210013HazMat2210015Language Barrier2210015Language Barrier2210017None/No Delay2210019Other2210021Patient Access2210023Safety-Crew/Staging2210025Safety-Patient2210027Staff Delay2210029Traffic2210031Triage/Multiple Patients2210032Vehicle Crash Involving this Unit2210033Vehicle Failure of this Unit2210034Weather2210039Mechanical Issue-Unit, Equipment, etc.							
2210007Directions/Unable to Locate2210009Distance2210011Extrication2210013HazMat2210015Language Barrier2210017None/No Delay2210019Other2210020Patient Access2210021Patient Access2210025Safety-Crew/Staging2210027Staff Delay2210029Traffic2210031Triage/Multiple Patients2210033Vehicle Crash Involving this Unit2210034Vehicle Failure of this Unit2210035Vehicle Failure of this Unit2210039Mechanical Issue-Unit, Equipment, etc.		Jnit					
221009Distance2210011Extrication2210013HazMat2210015Language Barrier2210015Language Barrier2210017None/No Delay2210019Other2210021Patient Access2210023Safety-Crew/Staging2210025Safety-Patient2210027Staff Delay2210029Traffic2210031Triage/Multiple Patients2210033Vehicle Crash Involving this Unit2210035Vehicle Failure of this Unit2210037Weather2210039Mechanical Issue-Unit, Equipment, etc.							
2210011Extrication2210013HazMat2210015Language Barrier2210017None/No Delay2210019Other2210021Patient Access2210023Safety-Crew/Staging2210025Safety-Patient2210027Staff Delay2210029Traffic2210031Triage/Multiple Patients2210033Vehicle Crash Involving this Unit2210035Vehicle Failure of this Unit2210037Weather2210039Mechanical Issue-Unit, Equipment, etc.		to Locate					
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.							
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.							
 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. 							
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.							
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.							
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.							
 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. 							
 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. 		ng					
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.							
 2210031 Triage/Multiple Patients 2210033 Vehicle Crash Involving this Unit 2210035 Vehicle Failure of this Unit 2210037 Weather 2210039 Mechanical Issue-Unit, Equipment, etc. 							
 2210033 Vehicle Crash Involving this Unit 2210035 Vehicle Failure of this Unit 2210037 Weather 2210039 Mechanical Issue-Unit, Equipment, etc. 							
2210035 Vehicle Failure of this Unit 2210037 Weather 2210039 Mechanical Issue-Unit, Equipment, etc.							
2210037 Weather 2210039 Mechanical Issue-Unit, Equipment, etc.							
2210039 Mechanical Issue-Unit, Equipment, etc.							
		Unit Equipm	ent etc				

Data Element Comment

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

Rule ID	Level	Message		
nemSch_e00	01 <mark>Error</mark>	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_e00)2 <mark>Error</mark>	When Type of Scene Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.		
nemSch_e00)9 <mark>Warning</mark>	When Type of Scene Delay has a Not Value, no other value should be recorded.		
nemSch_e01	14 Warning	When Type of Scene Delay is "None/No Delay", no other value should be recorded.		

eResponse.11

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 Mea	asure Initiatives		
Airway Cardiac Arrest F	Pediatric Response	STEMI Stroke Trauma	l

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

 Associated Validation Rules

 Rule ID
 Level
 Message

 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.

eResponse.12

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 Yes **NOT Values** State Element Yes Is Nillable Yes Version 2 Element E02 10 1 : M Usage Required Recurrence Associated Performance Measure Initiatives Response Attributes **NOT Values (NV)** 7701001 - Not Applicable 7701003 - Not Recorded Code List Code Description 2212001 Clean-up 2212003 Decontamination Distance 2212005 2212007 Documentation ED Overcrowding / Transfer of Care 2212009 Equipment Failure 2212011 2212013 Equipment/Supply Replenishment 2212015 None/No Delay 2212017 Other 2212019 Rendezvous Transport Unavailable

Route Obstruction (e.g., Train) 2212021 2212023 Staff Delay 2212025 Traffic Vehicle Crash of this Unit 2212027 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 V	Associated Validation Rules				
Rule ID	Level	Message			
nemSch_e00	1 <mark>Error</mark>	When Type of Turn-Around Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).			
nemSch_e00	2 <mark>Error</mark>	When Type of Turn-Around Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.			
nemSch_e00	9 <mark>Warning</mark>	When Type of 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.

National

eResponse.13 - EMS Vehicle (Unit) Number

Definition

The unique physical vehicle number of the responding unit.

Data Type string	minLength 1	m 2	axLength 5	
Constraints				
Usage		Mandatory	Recurrence	1:1
Version 2 Elemer	nt	E02_11	Is Nillable	No
State Element		Yes	NOT Values	No
National Element	t	Yes	Pertinent Negatives (PN)	No

Data Element Comment

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

National

eResponse.14 - EMS Unit Call Sign

Definition

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

State ElementYesNOT ValuesNoVersion 2 ElementE02_12Is NillableNoUsageMandatoryRecurrence1 : 1ConstraintsData Type stringminLength 150	National Eleme	ent	Yes	Pertinent Negatives (PN)	No
Usage Mandatory Recurrence 1 : 1 Constraints Data Type minLength maxLength	State Element Y		Yes	NOT Values	No
Constraints Data Type minLength	Version 2 Element		E02_12	Is Nillable	No
Data Type minLength maxLength	Usage Mandatory		Mandatory	Recurrence	1:1
	Constraints				
				-	

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)."

National

eResponse.23 - Response Mode to Scene

Definition

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

National Element		Yes	Pertinent	Pertinent Negatives (PN)		No
State Element		Yes	NOT Valu	NOT Values		No
Version 2 Elem	ent	E02_20	Is Nillable	Is Nillable		No
Usage		Mandatory	Recurrent	ce		1:1
	Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma					
Code List	ac Allest F	Pediatric Response	STEMI	Stroke	Trauma	
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						
Information now s	olit between eRe	esponse.23 (Response M	lode to Scene) and eRespo	nse.24 (A	Additional Response Mode

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

National

eResponse.24 - Additional Response Mode Descriptors

Definition

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

The documentation of response mode techniques used for this Enforcesponse.				
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 Mea	asure Initiatives			
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	l	
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Code List				
Code ListCodeDescription2224001Intersection Navigation-Against Normal Light Patterns2224003Intersection Navigation-With Automated Light Changing Technology2224005Intersection Navigation-With Normal Light Patterns2224007Scheduled2224009Speed-Enhanced per Local Policy2224011Speed-Normal Traffic2224013Unscheduled2224015Lights and Sirens2224017Lights and No Sirens2224019No Lights or Sirens2224021Initial No Lights or Sirens, Upgraded to Lights and Sirens2224023Initial Lights and Sirens, Downgraded to No Lights or Sirens				
Data Element Comment				

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

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	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_e00	2 <mark>Error</mark>	When Additional Response Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	9 <mark>Warning</mark>	When Additional Response Mode Descriptors has a Not Value, no other value should be recorded.

eDispatch

Lege	end Dataset Level: National S State D Deprecated				
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional				
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID				
eDispatch					
1:1	eDispatch.01 - Dispatch Reason				
1:1	eDispatch.02 - EMD Performed N S R N, L				
eDispatch					

eDispatch.01

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 Me	asure Initiatives			
	Pediatric Response	STEMI Stroke Trauma	3	
Code List				
CodeDescription2301001Abdominal Pain/Probl2301003Allergic Reaction/Stin2301005Animal Bite2301007Assault2301009Automated Crash Not2301011Back Pain (Non-Traut2301013Breathing Problem2301015Burns/Explosion2301017Carbon Monoxide/Hat2301021Chest Pain (Non-Traut2301025Convulsions/Seizure2301026Convulsions/Seizure2301027Diabetic Problem2301028Convulsions/Seizure2301029Electrocution/Lightnin2301031Eye Problem/Injury2301035Fire2301037Headache2301041Heatr Problems/AICD2301043Heat/Cold Exposure2301045Hemorrhage/Laceratio2301045No Other Appropriate2301055Pandemic/Epidemic/C2301057Pregnancy/Childbirth/	ngs tification matic) zmat/Inhalation/CBRN umatic) ng nal/Admission on accessible Incident/Other E e Choice Ingestion Outbreak /Miscarriage Abnormal Behavior/Suicide d/Penetrating Trauma n Incident Palliative Care g/Near-Fainting erson Down JBA Accident			

Data Element Comment

Added Pandemic/Epidemic/Outbreak. Added Automated Crash Notification

Added Healthcare Professional Admission

Added Transfer/Interfacility/Palliative Care

- Other entries expanded based on current national EMD Dispatch List

eDispatch.02

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 Me	asure Initiatives			
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Traum	na	
Attributes				
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded		
Code List				
CodeDescription2302001No2302003Yes, With Pre-Arrival Instructions2302005Yes, Without Pre-Arrival Instructions2302007Yes, Unknown if Pre-Arrival Instructions Given				
Data Element Comment				
Associated Validation Rules				
Rule ID Level Message				
Not		y, it should have a Not Value (Not) e element) or a Pertinent Negative ent is optional).		
	/hen EMD Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it nould be empty.			



	end Dataset Level: N National S State D Deprecated	
Leg		
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional	
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correla	ation ID
eTi	mes	
1:1	eTimes.01 - PSAP Call Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.03 - Unit Notified by Dispatch Date/Time	N <mark>S</mark> M
1:1	eTimes.05 - Unit En Route Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.06 - Unit Arrived on Scene Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.07 - Arrived at Patient Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.09 - Unit Left Scene Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.11 - Patient Arrived at Destination Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.12 - Destination Patient Transfer of Care Date/Time	N <mark>S</mark> R <mark>N, L</mark>
1:1	eTimes.13 - Unit Back in Service Date/Time	N S M
eTi	mes	

eTimes.01

National

eTimes.01 - PSAP Call Date/Time

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No			
State Element	Yes	NOT Values	Yes			
Version 2 Element	E05_02	Is Nillable	Yes			
Usage	Required	Recurrence	1:1			
Associated Performance Me	asure Initiatives					
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Traum	а			
Attributes						
NOT Values (NV) 7701001 - Not Applicable						
Constraints						
····· /]		axInclusive 050-01-01T00:00:00-00:00				
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+)? (zzzzz)

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

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

hh	a two-digit numeral (with leading zeros as required) that represents the hours			
mm	a two-digit numeral that represents the minutes			
		1		

'+' a nonnegative duration

'-' a nonpositive duration

Associated Validation Rules

Level

Rule ID

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.

Trauma

National

eTimes.03 - Unit Notified by Dispatch Date/Time

De	fin	iti	on
	IIII	ILLI	

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

Constraints

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

Pattern

Data Element Comment

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

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

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

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

Rule ID Level	Message
nemSch_e017 Warnir	g Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time.
nemSch_e019 Warnir	g Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e021 Warnir	g Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e024 Warnir	g Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
nemSch_e026 Warnir	g 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.05

National

eTimes.05 - Unit En Route Date/Time

Definitio	วท				
The dat	te/time the unit respo	nded; that is, the time t	he vehicle started movi	ng.	
Nationa	al Element	Yes	Pertinent Negatives (F	N) No	
State E	lement	Yes	NOT Values	Yes	
Version	2 Element	E05_05	Is Nillable	Yes	
Usage		Required	Recurrence	1:1	
Associa	ated Performance Mea	asure Initiatives			
Airway	Cardiac Arrest	Pediatric Response	STEMI Stroke	Trauma	
Attribute	es				
	lues (NV) I - Not Applicable	7701003 - Not Red	corded		
Constra	aints				
Data Ty					
dateTime Pattern	e 1950-01-0	1T00:00:00-00:00 20	50-01-01T00:00:00-00:00		
	[0-9]{2}-[0-9]{2}T[0-9]{2}:[[0-9]{2}:[0-9]{2}(\.\d+)?(\+ -)	[0-9]{2}:[0-9]{2}		
	ement Comment				
DateTim	e consists of finite-length	characters of the form: yy	yy '-' mm '-' dd 'T' hh ':' mm	':' ss ('.' s+)? (zzzzz)	
уууу	a four-digit numeral that represents the year				
'-'	separators between par	rts of the date portion			
mm	a two-digit numeral that	represents the month			
dd	a two-digit numeral that	represents the day			
	separator that indicates	time-of-day follows			
hh	a two-digit numeral that	represents the hour			
':'	a separator between pa	arts of the time-of-day portion	on		
mm	a two-digit numeral that	represents the minute			
SS	a two-integer-digit nume	eral that represents the whe	ole seconds		
'.' s+	+ (not required) represents the fractional seconds				
zzzzz	(required) represents th	e timezone (as described l	pelow)		
Timezon	nes, required, are duration	ns with (integer-valued) ho	ur and minute properties in	the form: ('+' '-') hh ':' mm	I
hh a	two-digit numeral (with le	eading zeros as required) th	nat represents the hours		
mm a	a two-digit numeral that represents the minutes				
'+' a	a nonnegative duration				

 2° a nonpositive duration

Associated Validation Rules

Level Message

nemSch_e001 Error

Rule ID

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.

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.

Nationa	nal Element Yes		Pertinent Negatives (PN)	No
State El	ement	Yes	NOT Values	Yes
Version	2 Element	E05_06	Is Nillable	Yes
Usage		Required	Recurrence	1:1
Associa	ted Performance Me	asure Initiatives		
Airway		Pediatric Response	STEMI Stroke Trau	ıma
Attribute	es			
NOT Val 7701001	ues (NV) - Not Applicable	7701003 - Not Re	corded	
Constra	ints			
Data Typ dateTime			axInclusive 50-01-01T00:00:00-00:00	
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 Ele	ement Comment			
DateTime	e consists of finite-length	h characters of the form: yy	yy '-' mm '-' dd 'T' hh ':' mm ':' ss	('.' s+)? (zzzzz)
уууу	a four-digit numeral tha	t represents the year		
'-'	separators between pa	rts of the date portion		
mm	a two-digit numeral that	t represents the month		
dd	a two-digit numeral that	t represents the day		
Т	separator that indicates	s time-of-day follows		
hh	a two-digit numeral that represents the hour			
':'	a separator between parts of the time-of-day portion			
mm	a two-digit numeral that represents the minute			
SS	a two-integer-digit numeral that represents the whole seconds			
'.' s+	(not required) represents the fractional seconds			
zzzzz	(required) represents the timezone (as described below)			

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

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

Associated Validation Rules

Message Level

nemSch_e001 Error

Rule ID

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.

National

eTimes.07 - Arrived at Patient Date/Time

Definition					
The date/	time the responding	g unit arrived at the pa	tient's side.		
National Element		Yes	Pertinent	Negatives (PN)	No
State Elen	nent	Yes	NOT Valu	les	Yes
Version 2	Element	E05_07	Is Nillable)	Yes
Usage		Required	Recurren	ce	1:1
Associate	d Performance Me	asure Initiatives			
Airway	Cardiac Arrest	Pediatric Response	STEMI	Stroke Trauma	3
Attributes					
NOT Value 7701001 - N	es (NV) Not Applicable	7701003 - Not Re	corded		
Constraint	ts				
Data Type dateTime			axInclusive 050-01-01T00	.00.00-00.00	
Pattern	1000 01 0	20	00 01 01100	.00.00 00.00	
	9]{2}-[0-9]{2}T[0-9]{2}:	[0-9]{2}:[0-9]{2}(\.\d+)?(\+ ·)[0-9]{2}:[0-9]	{2}	
Data Elem	nent Comment				
		n characters of the form: y	/yy '-' mm '-' d	ld 'T' hh ':' mm ':' ss ('.'	s+)? (zzzzz)
уууу а	four-digit numeral tha	t represents the year			
'-' Se	eparators between pa	rts of the date portion			
mm a	two-digit numeral that	t represents the month			
dd a	two-digit numeral that	t represents the day			
T se	eparator that indicates	s time-of-day follows			
hh a	two-digit numeral that	t represents the hour			
':' a	separator between pa	arts of the time-of-day port	on		
mm a	two-digit numeral that	t represents the minute			
ss a	a two-integer-digit numeral that represents the whole seconds				
'.' s+ (r	+ (not required) represents the fractional seconds				
zzzzzz (r	zzzzzz (required) represents the timezone (as described below)				
Timezones,	, required, are duration	ns with (integer-valued) ho	our and minute	e properties in the form	ı: ('+' '-') hh ':' mm
hh a two	hh a two-digit numeral (with leading zeros as required) that represents the hours				
mm a two	a two-digit numeral that represents the minutes				

a nonnegative duration '+'

 2° a nonpositive duration

Associated Validation Rules

Level

Rule ID

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.09

National

eTimes.09 - Unit Left Scene Date/Time

Definitio	on			
The dat	te/time the respondin	g unit left the scene (sta	arted 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
Associa	ited Performance Me	asure Initiatives		
Airway	Cardiac Arrest	Pediatric Response	STEMI Stroke Traun	าล
Attribute	es			
NOT Val 7701001	l ues (NV) - Not Applicable	7701003 - Not Red	corded	
Constra	lints			
Data Typ dateTime			xInclusive 50-01-01T00:00:00-00:00	
Pattern		200	00.00.00.00	
[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 Ele	ement Comment			
DateTim	e consists of finite-length	characters of the form: yy	/y '-' mm '-' dd 'T' hh ':' mm ':' ss ('	.' s+)? (zzzzz)
уууу	a four-digit numeral that represents the year			
'-'	separators between parts of the date portion			
mm	a two-digit numeral that represents the month			
dd	a two-digit numeral that represents the day			
Т	separator that indicates time-of-day follows			
hh	a two-digit numeral that represents the hour			
':'	a separator between parts of the time-of-day portion			
mm	n 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				
	two-digit numeral that re			

a nonnegative duration '+'

 2° a nonpositive duration

Associated Validation Rules

Level

Rule ID

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.

National

eTimes.11 - Patient Arrived at Destination Date/Time

Definition					
The date/time the respondi	ng unit arrived with the p	patient at the destination or tra	nsfer 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 M	easure Initiatives				
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Traum	а		
Attributes					
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded			
Constraints					
Data TypeminIncludateTime1950-01-		axInclusive 50-01-01T00:00:00-00:00			
Pattern	20	00 01 01100.00.00 00.00			
[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-leng	th characters of the form: yy	yy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.'	s+)? (zzzzz)		
yyyy a four-digit numeral th	a four-digit numeral that represents the year				
'-' separators between p	separators between parts of the date portion				
mm a two-digit numeral th	a two-digit numeral that represents the month				
dd a two-digit numeral th	a two-digit numeral that represents the day				
T separator that indicate	separator that indicates time-of-day follows				
hh a two-digit numeral th	a two-digit numeral that represents the hour				
:' a separator between	a separator between parts of the time-of-day portion				
mm a two-digit numeral th	n a two-digit numeral that represents the minute				
ss a two-integer-digit nu	a two-integer-digit numeral that represents the whole seconds				
'.' s+ (not required) represe	+ (not required) represents the fractional seconds				
zzzzzz (required) represents the timezone (as described below)					
Timezones, required, are durati	ons with (integer-valued) ho	ur and minute properties in the form	n: ('+' '-') hh ':' mm		
hh a two-digit numeral (with leading zeros as required) that represents the hours					
mm a two-digit numeral that	epresents the minutes				

'+' a nonnegative duration

'-' a nonpositive duration

Associated Validation Rules

Rule ID

Level Me

nemSch_e001 Error

Message

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.

National

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

Definition

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

National Element		Yes		Pertinent Negatives (PN)		No	
State Element			Yes NOT Values		Yes		
Version 2 Element				Is Nillable		Yes	
Usage		Re	quired	Recurrence		1:1	
Associated Performance Measure Initiatives							
Airway	Cardiac Arrest	Pediatric Response STEMI Stroke Trauma		l			
Attributes							
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded							
Constraints							
Data Type minInclusive			ma	axInclusive			

dateTime

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

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

Pattern $[0-9]{4}-[0-9]{2}-[0-9]{2}:[$

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+)? (zzzzz)

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

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

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

Associated Validation Rules

Level

Rule ID

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

nemSch_e002 ErrorWhen Destination Patient Transfer of Care Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.nemSch_e036 WarningDestination Patient Transfer of Care Date/Time should be recorded when Transport Disposition is "Transport by This EMS Unit".nemSch_e037 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.nemSch_e038 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time.nemSch_e039 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.nemSch_e040 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.nemSch_e041 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Date/Time.nemSch_e043 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.nemSch_e043 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.nemSch_e043 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.nemSch_e045 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest.nemSch_e045 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest.nemSch_e045 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. <th></th> <th>allowed for the element), or it should be omitted (if the element is optional).</th>		allowed for the element), or it should be omitted (if the element is optional).
 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 Date/Time of Date/Time. nemSch_e043 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset. 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 of Cardiac Arrest. nemSch_e045 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. nemSch_e045 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. nemSch_e045 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 Proce	nemSch_e002 Error	
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 Last Known Well. nemSch_e045 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Well. nemSch_e052 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Care Date/Time. nemSch_e128 Warning Date/Time Vital Signs Taken should not be earlier than Destination Patient Transfer of Care Date/Time. nemSch_e128 Warning Date/Time Wedication Administ	nemSch_e036 <mark>Warning</mark>	
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 Weil. nemSch_e045 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Weil. nemSch_e045 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. nemSch_e052 Warning Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. 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 Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time. nemSch_e134 Warning Date/Time Procedure Performed shou	nemSch_e037 Warning	
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Onset.nemSch_e044 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Well.nemSch_e045 WarningDestination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest.nemSch_e052 WarningUnit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time.nemSch_e128 WarningDate/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e139 WarningDate/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e154 WarningDate/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e178 WarningDate/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e178 WarningDate/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.	nemSch_e042 Warning	
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Arrest.nemSch_e052 WarningUnit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time.nemSch_e128 WarningDate/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e139 WarningDate/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e154 WarningDate/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.nemSch_e178 WarningDate/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient	nemSch_e044 Warning	
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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. nemSch_e178 Warning Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient	nemSch_e052 Warning	
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	nemSch_e128 Warning	5
Date/Time. Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient	nemSch_e139 Warning	
	nemSch_e154 Warning	
	nemSch_e178 Warning	

National

eTimes.13 - Unit Back in Service Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Response

Constraints

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

:00-00:00 2050

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

Pattern

Data Element Comment

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

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

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

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

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

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

ePatient

Legend	Dataset Level: National S State D Deprecated	
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional	
	Attributes: $N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation$	
ePatie	ent	
1:1 eF	Patient.07 - Patient's Home County	N S R N, L
1:1 eF	Patient.08 - Patient's Home State	N <mark>S</mark> R N, L
1:1 eF	Patient.09 - Patient's Home ZIP Code	N S R N, L
0:1 C	Patient.13 - Gender (DEPRECATED)	D N S R N, L
1:м еР	Patient.14 - Race	N <mark>S</mark> R <mark>N, L</mark>
1:1 eP	atient.AgeGroup	
1:1	ePatient.15 - Age	N <mark>S</mark> R <mark>N, L</mark>
1:1	ePatient.16 - Age Units	N <mark>S</mark> R <mark>N, L</mark>
0:1 eF	Patient.25 - Sex	N S R N, L, P
ePatie	ent	

ePatient.07

National

ePatient.07 - Patient's Home County

Definition The patient's home county or parish of residence. National Element Pertinent Negatives (PN) Yes No Yes **NOT Values** Yes State Element Is Nillable Yes Version 2 Element E06 06 1:1 Usage Required Recurrence Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Constraints Pattern [0-9]{5} **Data Element Comment**

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

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

Rule ID Level	Message
nemSch_e001 Error	When 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 Warnir	Patient's Home County should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e058 <mark>Warnir</mark>	Patient's Home County should belong within the Patient's Home State.

National

ePatient.08 - Patient's Home State

Definition				
The state, territory, or provin	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 I	Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma			
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - 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_e00	1 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_e00	2 <mark>Error</mark>	When Patient's Home State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e05	8 <mark>Warning</mark>	Patient's Home County should belong within the Patient's Home State.
nemSch_e05	9 <mark>Warning</mark>	Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

ePatient.09

National

ePatient.09 - Patient's Home ZIP Code

Definition

The patient's ZIP code of residence.

National Element	Yes Pertinent Negatives (PN)		No	
State Element	Yes	NOT Values	Yes	
Version 2 Element	E06_08	Is Nillable	Yes	
Usage	Required	Recurrence	1:1	
Associated Performance Measure Initiatives				
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma				
Attributes				
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded				
Constraints				
Pattern [0-9]{5} [0-9]{5}-[0-9]{4} [0-9]{5}-[0-9]{5} [A-Z][0-9][A-Z] [0-9][A-Z][0-9]				

Data Element Comment

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

Rule ID	Level	Message
nemSch_e00)1 <mark>Error</mark>	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_e00)2 <mark>Error</mark>	When Patient's Home ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e06	60 Warning	Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

Deprecated

ePatient.13 (DEPRECATED)

National ePatient.13 - Gender (DEPRECATED) Definition The patient's gender. (DEPRECATED) National Element Yes Pertinent Negatives (PN) No **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element DEPRECATED 0:1 Recurrence Usage Required Associated Performance Measure Initiatives Cardiac Arrest Pediatric **STEMI** Airway Response 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.

Rule ID	Level	Message	
nemSch_e00)1 <mark>Error</mark>	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_e00)2 Error	When Cender (DEPRECATED) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.	

ePatient.14 - Race

ePatient.14

State

National

National Element State Element Version 2 Element	Yes Yes E06_12	Pertinent Negatives (PN) NOT Values Is Nillable	No Yes
Version 2 Element			
	E06_12	ls Nillable	
			Yes
Usage	Required	Recurrence	1 : M
7701001 - Not Applicable Code List	7701003 - Not Re	ecorded	
Code Description			
	laska Native		
2514001 American Indian or A 2514003 Asian			
2514001 American Indian or A			

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

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

Associated Validation Rules			
Rule ID Lev	vel Me	essage	
nemSch_e001 Erro	Re	hen Race is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not eporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it would be omitted (if the element is optional).	
nemSch_e002 Erro		hen Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be npty.	
nemSch_e009 <mark>Wa</mark>	<mark>ırning</mark> W	hen Race has a Not Value, no other value should be recorded.	
nemSch_e062 <mark>Wa</mark>	3	ace should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care ovided".	

ePatient.15 - Age

ePatient.15

State

National

er allerit. 13 - Age				
Definition				
The patient's age (either calculated from date of birth or best approximation).				
National Element	Yes	Pertinent Negatives (PN)	No	
State Element	Yes	NOT Values	Yes	
Version 2 Element	E06_14	Is Nillable	Yes	
Usage	Required	Recurrence	1:1	
Associated Performanc	e Measure Initiatives			
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	l	
Attributes				
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded		
Constraints				
Data TypeminInclusivemaxInclusiveinteger1120				
Data Element Commen	t			
Associated Validation R	Rules			
Rule ID Level	Message			
nemSch_e001 Error		ave a Not Value (Not Applicable, No ment) or a Pertinent Negative (if all nt 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 v	when Age is recorded		

ePatient.16 - Age Units

State

National

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 I	Measure Initiatives		
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	1
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded	
Code List			
2516001 Days 2516003 Hours 2516005 Minutes 2516007 Months 2516009 Years Data Element Comment			
Associated Validation Rul	PS		
	lessage		
		ould have a Not Value (Not Applica ment) or a Pertinent Negative (if all nt is optional).	
	Vhen Age Units has a Not Valı mpty.	ue (Not Applicable, Not Recorded, o	or Not Reporting), it should be
	ge Units should be recorded v Provided".	when Patient Evaluation/Care is "Pa	tient Evaluated and Care
nemSch_e065 Warning A	ge Units should be recorded v	when Age is recorded.	

ePatient.25

National

ePatient.25 - Sex

Definition The patient's sex. National Element Pertinent Negatives (PN) Yes Yes **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element 0:1 Usage Required Recurrence Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes **NOT Values (NV)** 7701003 - Not Recorded 7701001 - Not Applicable 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".



Lege	end Dataset Level: National S State D Deprecated				
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional				
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID				
ePa	ePayment				
1:1	1:1 ePayment.01 - Primary Method of Payment N S R N, L				
1:1	ePayment.50 - CMS Service Level				
ePayment					

ePayment.01

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 **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element E07 01 1:1 Usage Required Recurrence 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_e00	01 <mark>Error</mark>	When Primary Method of Payment is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	02 <mark>Error</mark>	When Primary Method of Payment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e06	66 <mark>Warning</mark>	Primary Method of Payment should be recorded when Transport Disposition is "Transport by This EMS Unit".

ePayment.50

National

ePayment.50 - CMS Service Level

Definition	Definition			
The CMS	The CMS service level for this EMS encounter.			
National	National Element Yes Pertinent Negatives (PN) No			No
State Element Yes			NOT Values	Yes
Version 2	2 Element	E07_34	Is Nillable	Yes
Usage		Required	Recurrence	1:1
Associate	ed Performance Me	asure Initiatives	-	
Airway	Pediatric STEM	II Stroke Trauma		
Attributes	3			
NOT Valu 7701001 -	es (NV) Not Applicable	7701003 - Not Re	corded	
Code Lis	t			
2650005 2650007 2650009 2650011	CodeDescription2650001ALS, Level 12650003ALS, Level 1 Emergency2650005ALS, Level 22650007BLS2650009BLS, Emergency2650011Fixed Wing (Airplane)2650013Paramedic Intercept2650015Specialty Care Transport			
Data Elei	Data Element Comment			
Associated Validation Rules				
Rule ID	Level Mes	sage		

	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.



Leg	end Dataset Level: National S State D Deprecated	
	Usage: $\prod_{i=1}^{n}$ M = Mandatory, R = Required, E = Recommended, or O = Optional	
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation I I = Custom Element ID, T = Time Stamp, G = Procedure Group Correla	
eSo	cene	
1:1	eScene.01 - First EMS Unit on Scene	N S R N, L
1:1	eScene.06 - Number of Patients at Scene	N S R N, L
1:1	eScene.07 - Mass Casualty Incident	N S R N, L
1:1	eScene.08 - Triage Classification for MCI Patient	N S R N, L
1:1	eScene.09 - Incident Location Type	N S R N, L
1:1	eScene.18 - Incident State	N S R N, L
1:1	eScene.19 - Incident ZIP Code	N S R N, L
1:1	eScene.21 - Incident County	N S R N, L
eSo	cene	

eScene.01

National

eScene.01 - First EMS Unit on Scene

Definition			
Documentation that this	EMS Unit was the first EM	S Unit among all EMS Agencies	on the Scene.
National Element	Yes	Pertinent Negatives (PN)	No
State Element Yes NOT Values Yes			Yes
Version 2 Element Is Nillable Yes			Yes
Usage	Required	Recurrence	1:1
Attributes			
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded			
Code List			
CodeDescription9923001No9923003Yes			
Data Element Comment			
Added to improve the evaluation	ation of Response Times when	multiple EMS units are responding to	the same scene.
Associated Validation Ru	ules		
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.

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 Applicable7701003 - Not Recorded			
Code List			
CodeDescription2707001Multiple2707003None2707005Single			
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".

eScene.07

National

eScene.07 - Mass Casualty Incident

Definition			
Indicator if this event w	ould be considered a mass	casualty incident (overwhelmed	l 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 Performanc	e Measure Initiatives		
Trauma			
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	ecorded	
Code List			
Code Description 9923001 No 9923003 Yes			
Data Element Commen	t		
Associated Validation R	lules		
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	nSch_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 Casu	ualty Incident is "Yes".

Triage Classification for MCI Patient should be recorded when Mass Casualty Incident is "Yes".

nemSch_e069 Warning

National

eScene.08 - Triage Classification for MCI Patient

Definition							
The color associated	with the initial t	riage assessm	ent/classifi	cation of the	e MCI patien	.t.	
National Element		Yes	Pertinent	Negatives	(PN)	No]
State Element Yes NOT Values Yes			Yes]			
Version 2 Element			Is Nillable	Э		Yes]
Usage	F	Required	Recurren	ice		1:1]
Associated Performan	ce Measure Ini	tiatives					
Airway Cardiac Arres	st Pediatric	Response	STEMI	Stroke	Trauma		
Attributes							
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded							
Code List							
CodeDescription2708001Red - Immediate2708003Yellow - Delayed2708005Green - Minimal (Minor)2708007Gray - Expectant2708009Black - Deceased							
Data Element Comment							
This element is documented when eScene.07 (Mass Casualty Incident) = Yes.							
Examples of triage system	ne include STAP	T and SALT					

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".

eScene.09

National

eScene.09 - Incident Location Type

Definition				
The kind of location where the	ne incident happened.			
National Element	Yes	Pertinent Negatives (PI	N) No	
State Element	Yes	NOT Values	Yes	
Version 2 Element	E08_07	Is Nillable	Yes	
Usage	Required	Recurrence	1:1	
Associated Performance Mea	asure Initiatives			
Airway Cardiac Arrest F	Pediatric Response	STEMI Stroke	Frauma	
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Constraints				
Pattern Y92\.[0-9]{1,3}				
Data Element Comment				
Code list is represented in ICD-10 https://nemsis.org/technical-resou				
ICD-10-CM Website - <u>http://uts.nlm.nih.gov</u> Product - UMLS Metathesaurus				

Associated	valluation	Aues
Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	When Incident Location Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	02 <mark>Error</mark>	When Incident Location Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e0	70 <mark>Warning</mark>	Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".

eScene.18

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	onal Element Yes Pertinent Negatives (PN)		No		
State Element	Yes	NOT Values	Yes		
Version 2 Element	E08_14	Is Nillable	Yes		
Usage	Required	Required Recurrence			
Associated Performance Me	Associated Performance Measure Initiatives				
Airway Cardiac Arrest I	Pediatric Response	STEMI Stroke Trauma	1		
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	
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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 Warnin	g Incident State should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e074 Warnin	g Incident County should belong within the Incident State.

eScene.19

National

eScene.19 - Incident ZIP Code

Definition				
The ZIP code of the incid	ent 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	1	
Attributes				
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded		
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: <u>https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</u> Product: USA - 5-digit ZIP Code Database, Commercial Edition				
Associated Validation Rul	les			
Rule ID Level I	Message			
1	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).			
	When Incident ZIP Code has a should be empty.	Not Value (Not Applicable, Not Rec	corded, or Not Reporting), it	

Incident ZIP Code should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at

nemSch_e072 Warning

Scene".

National

eScene.21 - Incident County

Definition			
The county or parish where	the patient was found o	r 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 Me	asure Initiatives		
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	3
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded	
Constraints			
Pattern [0-9]{5}			
Data Element Comment			
Based on the ANSI Code Single County codes) Should be require		ty Name but stored as the ANSI coo iated with the event.	de (combined 5 digit State and

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

Rule ID Lev	vel	Message
nemSch_e001 Erro	or	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 Erro	or	When Incident County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e073 Wa	irning	Incident County should be recorded unless Unit Disposition is "Cancelled Prior to Arrival at Scene".
nemSch_e074 Wa	irning	Incident County should belong within the Incident State.

eSituation

Legend	Dataset Level: N National S State D Deprecated	
	Usage: $M = Mandatory$, R = Required, E = Recommended, or O = Optional	
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation	ID, and/or U = UUID
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correl	ation ID
eSituation		
1:1 eSituatio	on.01 - Date/Time of Symptom Onset	N S R N, L, P
1:1 eSituatio	on.02 - Possible Injury	N S R N, L
1:1 eSituatio	on.07 - Chief Complaint Anatomic Location	N <mark>S</mark> R <mark>N, L</mark>
1:1 eSituatio	on.08 - Chief Complaint Organ System	N <mark>S</mark> R <mark>N, L</mark>
1:1 eSituatio	on.09 - Primary Symptom	N S R N, L
1:M eSituatio	on.10 - Other Associated Symptoms	N S R N, L, P
1:1 eSituatio	on.11 - Provider's Primary Impression	N S R N, L
1:M eSituatio	on.12 - Provider's Secondary Impressions	N S R N, L
1:1 eSituatio	on.13 - Initial Patient Acuity	N S R N, L
1:1 eSituatio	on.18 - Date/Time Last Known Well	N S R N, L, P
1:1 eSituatio	on.20 - Reason for Interfacility Transfer/Medical Transport	N S R N, L
eSituation	·	

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.

Nationa	lational 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	
Associa	ted Performance Me	asure Initiatives				
Airway		Pediatric Response	STEMI Stroke	Trauma	a	
Attribute	es					
7701001 Pertinen	ues (NV) - Not Applicable at Negatives (PN) - Unable to Complete	7701003 - Not Red 8801029 - Approxi				
Constra	lints					
	0-9]{2}-[0-9]{2}T[0-9]{2}:	1T00:00:00-00:00 20 [0-9]{2}:[0-9]{2}(\.\d+)?(\+ -)	50-01-01T00:00:00-00:00 [0-9]{2}:[0-9]{2})		
	ement Comment e consists of finite-length	n characters of the form: yy	vv '-' mm '-' dd 'T' hh ':' m	m ':' ss ('.'	s+)? (777777)	
уууу	a four-digit numeral tha					
'-'	separators between pa	, ,				
mm	a two-digit numeral that	•				
dd	a two-digit numeral that	t represents the day				
Т	separator that indicates time-of-day follows					
hh	a two-digit numeral that represents the hour					
':'	a separator between parts of the time-of-day portion					
mm	a two-digit numeral that represents the minute					
SS	a two-integer-digit numeral that represents the whole seconds					
'.' s+	(not required) represen	ts the fractional seconds				
zzzzz	(required) represents th	ne timezone (as described l	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
12	a nonpositive duration

Version 3 Changes Implemented

Added to better define the EMS patient event.

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".

eSituation.02

Nation<u>al</u>

eSituation.02 - Possible Injury

Definition						
Indication whether or not the	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 M	easure Initiatives					
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	a			
Attributes						
NOT Values (NV) 7701001 - Not Applicable						
Code List	Code List					
CodeDescription9922001No9922003Unknown9922005Yes						
Data Element Comment						

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

Rule ID Level	Message					
nemSch_e001 Error	When Possible Injury is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).					
nemSch_e002 Error	When Possible Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.					
nemSch_e076 Warning	Possible Injury should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".					
nemSch_e077 Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.					
nemSch_e089 Warning	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".					
nemSch_e090 Warning	Cause of Injury should only be recorded when Possible Injury is "Yes".					
nemSch_e091 Warning	Trauma Triage Criteria (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".					

National

eSituation.07 - Chief Complaint Anatomic Location

DC	141.0
Defin	intion
2011	

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

i ne prim	ary anatomic locati	on of the c	complain	it as ide	entified by EMS perso	onnel.
National Element		Yes		Pertinent Negatives (PN)		No
State Element		Yes		NOT Values		Yes
Version 2 Element		E09_11		Is Nillable		Yes
Usage		Required Recur		rence	1:1	
Associate	ed Performance Me	asure Initi	atives			
Airway	Cardiac Arrest	Pediatric	STEMI S	Stroke	Trauma	
Attributes	;					
NOT Values (NV) 7701001 - Not Applicable		77	01003 - Not Red	corded		
Code List	t					
Code 2807001 2807003 2807005 2807007 2807009 2807011 2807013 2807015 2807017	Description Abdomen Back Chest Extremity-Lower Extremity-Upper General/Global Genitalia Head 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.			
nemSch_e078 <mark>Warni</mark>	ng Chief Complaint Anatomic Location should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".			

eSituation.08

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 Me	asure Initiatives				
Airway Cardiac Arrest	Pediatric STEMI	Stroke Trauma			
Attributes					
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not F	Recorded			
Code List					
CodeDescription2808001Behavioral/Psychiatric2808003Cardiovascular2808005CNS/Neuro2808007Endocrine/Metabolic2808009Gl2808011Global/General2808013Lymphatic/Immune2808015Musculoskeletal/Skin2808017Reproductive2808019Pulmonary2808021Renal					

Data Element Comment

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

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

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

Rule ID Level	Message				
nemSch_e001 Error	When Chief Complaint Organ System is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).				
nemSch_e002 Error	When Chief Complaint Organ System has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.				
nemSch_e079 Warning	Chief Complaint Organ System should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".				

eSituation.09

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 Re	ecorded			

Constraints

Pattern

 $(\mathsf{R}[0-6][0-9](\.[0-9]{1,4})?|(\mathsf{R}73\.9)|(\mathsf{R}99))|([\mathsf{A}-\mathsf{Q}\mathsf{S}\mathsf{T}\mathsf{Z}][0-9][0-9\mathsf{A}-\mathsf{Z}])((\.[0-9\mathsf{A}-\mathsf{Z}]{1,4})?)$

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 - <u>http://uts.nlm.nih.gov</u> Product - UMLS Metathesaurus

Associated Valid	Associated Validation Rules				
Rule ID Le	evel	Message			
nemSch_e001 <mark>Er</mark>	rror	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 <mark>Er</mark>	rror	When Primary Symptom has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.			
nemSch_e077 <mark>W</mark>	arning/	Possible Injury should be "Yes" when a symptom or impression is injury-related.			
nemSch_e080 <mark>W</mark>	arning/	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 W	arning	Other Associated Symptoms should only be recorded when Primary Symptom is recorded.			

eSituation.10

State

National

eSituation.10 - Other Associated Symptoms

Definition					
Other symptoms identified by the patient or observed by EMS personnel.					
National Element	Yes	Pertinent Negatives (PN)	Yes		
State Element	Yes	NOT Values	Yes		
Version 2 Element	E09_14	Is Nillable	Yes		
Usage	Required	Recurrence	1 : M		
Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric STEMI Stroke Trauma					
Attributes					
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded					
Pertinent Negatives (PN) 8801031 - Symptom Not Present					
Constraints					
Pattern (R[0-6][0-9](\.[0-9]{1,4})? (R73\.9) (R99)) ([A-QSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,4})?)					
Data Element Comment					
Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resource-repository/					

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

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

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 I	Pediatric STEMI	Stroke Trauma				
Attributes						
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded						
Constraints						
Pattern						

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

Data Element Comment

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

ICD-10-CM

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

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

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	Pertin	Pertinent Negatives (PN)		No	
State Element		Yes		NOT \	NOT Values		Yes	
Version 2 Element		EC	E09_16 Is Nillable			Yes		
Usage		Re	quired	Recur	Recurrence		1 : M	
Associated Performance Measure Initiatives								
Airway	Cardiac Arrest	Pediatric	STEMI	Stroke	Trauma			
Attribute	S							
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded								
Constrai	nts							
Pattern								

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

Data Element Comment

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

ICD-10-CM

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

/ loooolated / and					
Rule ID Le	evel	Message			
nemSch_e001 <mark>Er</mark> i		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 Err		When Provider's Secondary Impressions has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.			
nemSch_e009 <mark>Wa</mark>	arning	When Provider's Secondary Impressions has a Not Value, no other value should be recorded.			
nemSch_e077 <mark>Wa</mark>	arning	Possible Injury should be "Yes" when a symptom or impression is injury-related.			
nemSch_e083 Wa	•	Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded.			

eSituation.13

National

eSituation.13 - Initial Patient Acuity

Definition				
The acuity of the patient's c	ondition upon EMS arriv	val at the scene.		
National Element	Yes	Pertinent Negatives (PN)	No	
State Element	Yes	NOT Values	Yes	
Version 2 Element		Is Nillable	Yes	
Usage	Required	Recurrence	1:1	
Associated Performance Me	easure Initiatives			
Airway Cardiac Arrest	Pediatric STEMI	Stroke Trauma		
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Code List				
CodeDescription2813001Critical (Red)2813003Emergent (Yellow)2813005Lower Acuity (Green)2813007Dead without Resuscitation Efforts (Black)2813009Non-Acute/Routine				
Data Element Comment				
Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at http://www.htsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf				
Dead without Resuscitation Efforts would be appropriate if resuscitation was initiated by non-EMS personnel but discontinued immediately upon evaluation by first arriving EMS personnel.				

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

Version 3 Changes Implemented

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

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

National

eSituation.18 - Date/Time Last Known Well

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes				
State Element	Yes	NOT Values	Yes				
Version 2 Element		Is Nillable	Yes				
Usage	Required	Recurrence	1:1				
Associated Performance M Airway Cardiac Arrest	easure Initiatives Pediatric STEMI	Stroke Trauma					
Attributes							
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Pertinent Negatives (PN) 8801023 - Unable to Complete							
Constraints							
Data Type minInclusive maxInclusive dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00							
Pattern [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+ -)[0-9]{2}:[0-9]{2}							
Data Element Comment			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 last seen. For injury or trauma related events, this is the date and time the patient was last seen.

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 <mark>Warni</mark>	ng Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time Last Known Well.	
nemSch_e054 <mark>Warni</mark>	ng Unit Back in Service Date/Time should not be earlier than Date/Time Last Known Well.	
nemSch_e085 <mark>Warni</mark>	ng 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 <mark>Warni</mark>	ng Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Score is "Positive".	
nemSch_e087 <mark>Warni</mark>	ng 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".	

National

eSituation.20 - Reason for Interfacility Transfer/Medical Transport

Definition

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

0 0		· ·	
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 2820001 2820005 2820007 2820009 2820011 2820013 2820015 2820017 2820019 2820021 2820023 2820025 2820027	Description Cardiac Specialty Convenience Transfer (Patient Request) Diagnostic Testing Dialysis Drug and/or Alcohol Rehabilitation Care Extended Care Maternal/Neonatal Medical Specialty Care (Other, Not Listed) Neurological Specialty Care Palliative/Hospice Care (Home or Facility) Pediatric Specialty Care Psychiatric/Behavioral Care Physical Rehabilitation Care Return to Home/Residence
2820025	Physical Rehabilitation Care
2820029 2820031	Surgical Specialty Care (Other, Not Listed) Trauma/Orthopedic Specialty Care

Data Element Comment

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

Version 3 Changes Implemented

Element added with the release of v3.5.0

Rule ID	Level	Message
nemSch_e001	Error	When Reason for Interfacility Transfer/Medical Transport is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	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".



end Dataset Level: National S State D Deprecated	
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional	
Attributes: $N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation$	ID, and/or U = UUID ation ID
ury	
elnjury.01 - Cause of Injury	N <mark>S</mark> R <mark>N, L</mark>
elnjury.03 - Trauma Triage Criteria (High Risk for Serious Injury)	N S R N, L, P
elnjury.04 - Trauma Triage Criteria (Moderate Risk for Serious Injury)	N S R N, L, P
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Correla UIY elnjury.01 - Cause of Injury elnjury.03 - Trauma Triage Criteria (High Risk for Serious Injury)

elnjury

elnjury.01 National

elnjury.01 - Cause of Injury

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Dei	finition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : M
Associated Performance Measure Initiatives Trauma			
Attributes			
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded			
Constraints			
Pattern ([TV-Y][0-9]{2})((\.[0-9A-Z]{1,4})?)			
Data Element Comment			

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

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

Rule ID L	_evel	Message
nemSch_e001 <mark>E</mark>	<mark>Error</mark>	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 <mark>E</mark>	Error	When Cause of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 <mark>V</mark>	<u> Warning</u>	When Cause of Injury has a Not Value, no other value should be recorded.
nemSch_e089 <mark>V</mark>	<u> Warning</u>	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e090 V	Narning	Cause of Injury should only be recorded when Possible Injury is "Yes".

elnjury.03

National

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

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values	(NV)
7704004 N	ملام ما امم

7701001 - Not Applicable

7701003 - Not Recorded

Pertinent Negatives (PN) 8801015 - None Reported

Code List

COUE LIS	l de la construcción de la constru
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: <u>https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/</u>

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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".

elnjury.04

National

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

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values	(NV)
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7701001 - Not Applicable

7701003 - Not Recorded

Pertinent Negatives (PN) 8801015 - None Reported

Code List

OCCO LICE	
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: <u>https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines</u>

Rule ID	Level	Message
nemSch_e0	01 <mark>Error</mark>	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_e0	02 <mark>Error</mark>	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 <mark>Error</mark>	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".



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	Ν	S	R	N, L	
1:1	eArrest.02 - Cardiac Arrest Etiology	Ν	S	R	N, L	
1 : M	eArrest.03 - Resuscitation Attempted By EMS	Ν	S	R	N, L	
1 : M	eArrest.04 - Arrest Witnessed By	Ν	S	R	N, L	
1:1	eArrest.07 - AED Use Prior to EMS Arrival	Ν	S	R	N, L	
1 : M	eArrest.09 - Type of CPR Provided	Ν	S	R	N, L	
1:1	eArrest.11 - First Monitored Arrest Rhythm of the Patient	Ν	S	R	N, L	
1 : M	eArrest.12 - Any Return of Spontaneous Circulation	Ν	S	R	N, L	
1:1	eArrest.14 - Date/Time of Cardiac Arrest	Ν	S	R	N, L	
1:1	eArrest.16 - Reason CPR/Resuscitation Discontinued	Ν	S	R	N, L	
1 : M	eArrest.17 - Cardiac Rhythm on Arrival at Destination	Ν	S	R	N, L	
1:1	eArrest.18 - End of EMS Cardiac Arrest Event	Ν	S	R	N, L	
1:1	eArrest.20 - Who First Initiated CPR	Ν	S	R	N, L	
1:1	eArrest.21 - Who First Applied the AED	Ν	S	R	N, L	
1:1	eArrest.22 - Who First Defibrillated the Patient	Ν	S	R	N, L	

eArrest

eArrest.01

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						
CodeDescription3001001No3001003Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)3001005Yes, After Any EMS Arrival (includes Transport EMS & Medical First Responders)						
Data Element Comment						

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

If this EMS event is for an interfacility transfer of a patient with a recent history of a cardiac arrest with ROSC, and who does not experience another cardiac arrest during transport, then do not document Cardiac Arrest (eArrest.01) with "Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)".

EMS is defined as Emergency Medical Services personnel and Medical First Responder personnel who respond to a medical emergency in an official capacity as part of an organized medical response team. By this definition, physicians, nurses, or paramedics who witness a cardiac arrest and initiate CPR, but are not part of the organized medical response team are characterized as bystanders and are not part of the EMS system.

Medical First Responders are defined as personnel who are dispatched through the 911 system, respond in an official capacity, have the capability and/or training to provide emergency medical care, but are not the designated transporter of the patient. Thus, law enforcement officers who respond in an official capacity to a cardiac arrest, have the capability and/or training to provide emergency medical care (e.g., carry AEDs in their patrol vehicles, hold EMR licensure, are CPR certified, etc.) are considered Medical First Responders for the purposes of this data element.

Responders dispatched through the 911 system with no capability of providing emergency medical care are not considered Medical First Responders. For example, towing and wrecking responding to a vehicle crash, or law enforcement officers who do not provide any emergency medical care would not be considered Medical First Responders.

For States and Local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), "Any EMS Arrival" includes 911 Responders (First Responder or EMS) as defined by CARES in the CARES 2019 Data Dictionary: https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf.

This NEMSIS data element is used to answer CARES data element #20 Arrest After Arrival of 911 Responder.

Associated Validation Rules					
Rule ID	Level	Message			
nemSch_e0	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Cardiac Arrest has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it			

should be empty.

nemSch_e085 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e093 Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e094 Warning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes".
nemSch_e095 Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e096 Warning	Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes".
nemSch_e100 Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e101 Warning	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes".
nemSch_e103 Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e104 Warning	AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes".
nemSch_e105 Warning	Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes".
nemSch_e108 Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e109 Warning	Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes".
nemSch_e111 Warning	Date/Time of Cardiac Arrest should only be recorded when Cardiac Arrest is "Yes".
nemSch_e112 Warning	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes".
nemSch_e113 Warning	Cardiac Rhythm on Arrival at Destination should be recorded when Transport Disposition is "Transport by This EMS Unit" and Cardiac Arrest is "Yes".
nemSch_e114 Warning	Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes".
nemSch_e115 Warning	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e116 Warning	End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes".
nemSch_e118 Warning	Who First Initiated CPR should only be recorded when Cardiac Arrest is "Yes".
nemSch_e120 Warning	Who First Applied the AED should only be recorded when Cardiac Arrest is "Yes".
nemSch_e123 Warning	Who First Defibrillated the Patient should only be recorded when Cardiac Arrest is "Yes".
nemSch_e171 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".

eArrest.02

National

eArrest.02 - Cardiac Arrest Etiology

Definition					
Indication of the etiology or	cause of the cardiac a	rrest (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 M	easure Initiatives				
Cardiac Arrest					
Attributes					
NOT Values (NV)					
7701001 - Not Applicable 7701003 - Not Recorded					
Code List					
Code Description					
3002001 Cardiac (Presumed)					
3002003 Drowning/Submersio	on				
3002005 Drug Overdose					
3002007 Electrocution 3002009 Exsanguination-Medical (Non-Traumatic)					
3002019 Exsanguination-Medical (Non-Traumatic)					
3002013 Respiratory/Asphyxia					
3002015 Traumatic Cause					
Data Element Comment					
This element is a component of the Utstein Cardiac Arrest Criteria.					

Associated Validation Rules

Associated Valid	Associated Validation Rules					
Rule ID Le	evel	Message				
nemSch_e001 <mark>En</mark>	ror	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 <mark>Er</mark> i	ror	When Cardiac Arrest Etiology has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.				
nemSch_e093 <mark>Wa</mark>	arning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".				
nemSch_e094 Wa	arning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes".				

٦

National

eArrest.03 - Resuscitation Attempted By EMS

Definition

Indication of an attempt to resuscitate the patient who is in cardiac arrest (attempted, not attempted due to DNR, etc.).

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes		
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Recorded	
Code List		

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

Data Element Comment

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

Rule ID	Level	Message
nemSch_e001	Error	When Resuscitation Attempted By EMS is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	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	<mark>Warning</mark>	Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions".
nemSch_e099	<mark>Warning</mark>	Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation" or "Compressions-Intermittent with Ventilation".
nemSch_e106	<mark>Warning</mark>	Type of CPR Provided should contain "Compressions" when Resuscitation Attempted By EMS contains "Initiated Chest Compressions".
nemSch_e107	<mark>Warning</mark>	Type of CPR Provided should contain "Ventilation" or "Compressions-Intermittent with Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation".

eArrest.04

National

eArrest.04 - Arrest Witnessed By

Definition						
Indication of who the ca	ardiac 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 Performanc	e Measure Initiatives					
Cardiac Arrest						
Attributes						
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded				
Code List						
3004001 Not Witnessed 3004003 Witnessed by Family Member 3004005 Witnessed by Healthcare Provider 3004007 Witnessed by Bystander Data Element Comment						
Associated Validation F	Rules					
Rule ID Level	Message					
nemSch_e001 <mark>Error</mark>	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.

eArrest.07

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 Me	easure Initiatives		
Attributes			
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded			
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 Me	ssage		
Re	corded, or Not Reporting, if	Arrival is empty, it should have a No allowed for the element) or a Pertin ed (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...".
- nemSch_e104 Warning AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...".

nemSch_e119 Warning Who First Applied the AED should be recorded when AED Use Prior to EMS Arrival is "Yes...".

nemSch_e122 Warning Who First Defibrillated the Patient should be recorded when AED Use Prior to EMS Arrival is "Yes, With Defibrillation".

eArrest.09

National

eArrest.09 - Type of CPR Provided

Definition			
Documentation of the type/t	echnique of CPR use	ed 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 Me	asure Initiatives		
Cardiac Arrest			
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not	Recorded	
Code List			
3009005Compressions-Extern3009007Compressions-Extern3009009Compressions-Intern3009011Compressions-Other3009021Compressions-Hande3009013Ventilation-Bag Valve3009015Ventilation-Impedance3009017Ventilation-Mouth to I3009019Ventilation-Pocket Ma3009023Ventilation-with OPA3009025Ventilation-Advanced	nal Band Type Device nal Plunger Type Device nal Thumper Type Device nittent with Ventilation Device s Only CPR Mask e Threshold Device Mouth ask /NPA		

Data Element Comment

Added to capture special CPR techniques.

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Type of CPR Provided has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	9 <mark>Warning</mark>	When Type of CPR Provided has a Not Value, no other value should be recorded.
nemSch_e09	98 Warning	Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions".
nemSch_e09	9 <mark>Warning</mark>	Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation" or "Compressions-Intermittent with Ventilation".
nemSch_e10	95 Warning	Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes".
nemSch_e10	06 <mark>Warning</mark>	Type of CPR Provided should contain "Compressions" when Resuscitation Attempted By EMS contains "Initiated Chest Compressions".
nemSch_e10	07 Warning	Type of CPR Provided should contain "Ventilation" or "Compressions-Intermittent with

Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation".

eArrest.11

National

eArrest.11 - First Monitored Arrest Rhythm of the Patient

D ()	1.1.1
Defin	ition

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

Docume	ntation of what the f	irst monitored arrest r	nythm which was noted.	
National	Element	Yes	Pertinent Negatives (PN)	No
State Ele	ement	Yes	NOT Values	Yes
Version 2	2 Element	E11_05	Is Nillable	Yes
Usage		Required	Recurrence	1:1
Associate	ed Performance Mea	asure Initiatives		
Cardiac A	rrest			
Attributes	3			
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Code List				
Code 3011001 3011005 3011007 3011009 3011011 3011013	Description Asystole PEA Unknown AED Non-S Unknown AED Shock Ventricular Fibrillation Ventricular Tachycard	able Rhythm		
Data Elei	ment Comment			
		rifv this is the arrest rhvth	m.	

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	Associated Validation Rules		
Rule ID	Level	Message	
nemSch_e0	01 <mark>Error</mark>	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_e0	02 <mark>Error</mark>	When First Monitored Arrest Rhythm of the Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.	

National

eArrest.12 - Any Return of Spontaneous Circulation

Defin	ition	
	incion i	

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

indication whether of not the	ere was any return or s	portaneous 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 Me Cardiac Arrest	asure Initiatives		
Attributes			
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded			
Code List			
CodeDescription3012001No3012003Yes, At Arrival at the3012005Yes, Prior to Arrival at3012007Yes, Sustained for 20			
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 Valid	Associated Validation Rules		
Rule ID L	evel	Message	
nemSch_e001 <mark>E</mark>	rror	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 <mark>E</mark>	rror	When Any Return of Spontaneous Circulation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.	
nemSch_e009 <mark>W</mark>	Varning	When Any Return of Spontaneous Circulation has a Not Value, no other value should be recorded.	
nemSch_e108 <mark>W</mark>	Varning	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 <mark>W</mark>	Varning	Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes".	
nemSch_e110 <mark>W</mark>	Varning	When Any Return of Spontaneous Circulation is "No", no other value should be recorded.	

eArrest.14

National

eArrest.14 - Date/Time of Cardiac Arrest

Definition			
The date/time of the cardiac	arrest (if not known,	please estimate).	
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
Usage	Required	Recurrence	1:1
Associated Performance Me	asure Initiatives		
Cardiac Arrest			
Attributes			
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded			
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			
Changed from estimated time pri	or 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+)? (zzzzz)

уууу	a four-digit numeral that represents the year
12	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
Т	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
11	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
SS	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzz	(required) represents the timezone (as described below)

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

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

Associated Validation Rules

Level

Rule ID

nemS

Message

		_
Sch	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".

National

eArrest.16 - Reason CPR/Resuscitation Discontinued

Definition

The reason that CPR or the resuscitation efforts were discontinued.

The reason that CPR of the resuscitation efforts were discontinued.				
Yes	Pertinent Negatives (PN)	No		
Yes	NOT Values	Yes		
E11_10	Is Nillable	Yes		
Required	Recurrence	1:1		
asure Initiatives				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
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.				
	Yes Yes E11_10 Required asure Initiatives 7701003 - Not Red 7701003 - Not Red rath Perform irements Completed us Circulation (pulse or BP	Yes Pertinent Negatives (PN) Yes NOT Values E11_10 Is Nillable Required Recurrence vasure Initiatives 7701003 - Not Recorded 7701003 - Not Recorded Image: State of the s		

Rule ID	Level	Message
nemSch_e0	01 <mark>Error</mark>	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_e0	02 <mark>Error</mark>	When Reason CPR/Resuscitation Discontinued has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e1	12 Warning	Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes".

eArrest.17

National

eArrest.17 - Cardiac Rhythm on Arrival at Destination

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : M
Associated Performance Mea	asure Initiatives		
Cardiac Arrest			
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not	Recorded	
Code List			
CodeDescription9901001Agonal/Idioventricular9901003Asystole9901005Artifact9901007Atrial Fibrillation9901009Atrial Flutter9901011AV Block-1st Degree9901013AV Block-2nd Degree-9901015AV Block-2nd Degree-9901017AV Block-2nd Degree-9901018AV Block-2nd Degree-9901019Junctional9901021Left Bundle Branch Blog9901025Non-STEMI Anterior Ist9901026Non-STEMI Inferior Ist9901027Non-STEMI Septal Ist9901030Non-STEMI Septal Ist9901031Other9901033Paced Rhythm9901034Premature Atrial Contr9901035PEA9901043Sinus Arrhythmia9901045Sinus Bradycardia9901045Sinus Rhythm9901051STEMI Inferior Ischer9901053STEMI Inferior Ischer9901055STEMI Inferior Ischer9901055STEMI Lateral Ischerm9901055STEMI Posterior Ischer9901056STEMI Septal Ischermi9901057STEMI Posterior Ischer9901058STEMI Septal Ischermi9901059Supraventricular Tach9901061Torsades De Points9901065Unknown AED Non-Sf9901065Unknown AED Shocka9901067Ventricular Tachycardi9901071Ventricular Tachycardi9901071Ventricular Tachycardi	Type 2 ock schemia chemia lschemia lschemia shemia ractions Contractions Block nia nia nia nia ycardia hockable Rhythm able Rhythm aia (With Pulse)		

Data Element Comment

This element needs to be documented when the patient has been in cardiac or respiratory arrest and transported to a

healthcare facility to show the change in patient condition, if any. The cardiac rhythm list has been updated to be the same for eVitals.03 (Cardiac Rhythm Electrocardiography (ECG)). They are using the common type: CardiacRhythm. ST segment changes consistent (or not consistent) with STEMI criteria should be documented as Ischemia in the appropriate location

Rule ID Leve	l 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 <mark>Warr</mark>	ing When Cardiac Rhythm on Arrival at Destination has a Not Value, no other value should be recorded.
nemSch_e113 Warr	ing 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 Warr	ing Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes".

National

eArrest.18 - End of EMS Cardiac Arrest Event

Definition				
The patient's outcome at the	e end of the EMS eve	nt.		
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 Me Cardiac Arrest	asure Initiatives			
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Code List				
CodeDescription3018001Expired in ED3018003Expired in the Field3018005Ongoing Resuscitation in ED3018007ROSC in the Field3018009ROSC in the ED3018011Ongoing 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.20

National

eArrest.20 - Who First Initiated CPR

D. C. W.				
Definition				
Who first	initiated CPR for th	is EMS event.		
National E	Element	Yes	Pertinent Negatives (PN)	No
State Elen	nent	Yes	NOT Values	Yes
Version 2	Element		Is Nillable	Yes
Usage		Required	Recurrence	1:1
Associate	d Performance Mea	asure Initiatives		
Cardiac Arr	rest			
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Code List				
CodeDescription3020001Bystander3020003Family Member3020005Healthcare Provider (non-911 Responder)3020007First Responder (EMS)3020009First Responder (Law Enforcement)3020011First Responder (non-EMS Fire)3020013EMS Responder (transport EMS)				
Data Elem	nent Comment			
			a a part of an arganized amorganour	

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as performing bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responder (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.20 is the equivalent of CARES data element #23 Who Initiated CPR as defined by CARES in the CARES 2019 Data Dictionary: https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf.

Rule ID Level Message

nemSch_e001 <mark>Error</mark>	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".

eArrest.21

National

eArrest.21 - Who First Applied the AED

Definition				
Definition				
Documentation of who	first applied the AED for the	nis 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	ce Measure Initiatives			
Cardiac Arrest				
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded				
Code List				
CodeDescription3021001Bystander3021003Family Member3021005Healthcare Provider (non-911 Responder)3021007First Responder (EMS)3021009First Responder (Law Enforcement)3021011First Responder (non-EMS Fire)3021013EMS Responder (transport EMS)				
Data Element Commer	nt			
		ng as part of an organized emergency	response system to a pardiac	

Bystanders are defined as persons who are not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as preforming bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation. Friends and acquaintances are considered bystanders.

Family members are defined as the patient's relatives.

Healthcare Provider (non-911 Responder) includes physicians, nurses, paramedics, and other types of healthcare professionals who are not part of the organized emergency response system.

First Responders are defined as personnel who are dispatched through the 911 system, respond as part of an organized emergency response system, and have the capability and/or training to provide emergency medical care, but are not the designated transporters of the patient.

First Responder (EMS) is defined as EMS personnel who are part of an EMS response agency, respond as part of an organized emergency response system, but are not the designated transporter of the patient. For example, First Responser (EMS) includes EMS personnel who arrive by quick response EMS units, fire apparatus that is part of an EMS response agency, and supervisor/administrative vehicles operated by the transport EMS agency.

First Responder (Law Enforcement) is defined as public safety officers who are not part of an EMS response agency and act in an organized, official capacity to enforce the law.

First Responder (non-EMS Fire) is defined as fire department personnel who are not part of an EMS response agency and are not the designated transporter of the patient.

EMS Responder (transport) is defined as EMS personnel who are the designated transporter of the patient.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.21 is the equivalent of CARES data element #27 Who First Applied the AED as defined by CARES in the CARES 2019 Data Dictionary: <u>https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf</u>.

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".

eArrest.22

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 Me Cardiac Arrest Attributes NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded		
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 2019 Data Dictionary: <u>https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf</u>.

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".



Legend	Dataset Level: National S State D Deprecated
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
eHistory	
1: M eHistory	y.01 - Barriers to Patient Care
1:M eHistory	y.17 - Alcohol/Drug Use Indicators
eHistory	

eHistory.01

eHistory.01 - Barriers to Patient Care

Definition	1			
Indicatio	n of whether or not t	there were any patien	t specific barriers to serving the	patient at the scene.
National	Element	Yes	Pertinent Negatives (PN)	No
State Ele	ement	Yes	NOT Values	Yes
Version 2	2 Element	E12_01	Is Nillable	Yes
Usage		Required	Recurrence	1 : M
Attributes	ŝ			
NOT Valu 7701001 -	es (NV) Not Applicable	7701003 - Not R	ecorded	
Code Lis	t			
Code 3101001 3101003 3101005 3101007 3101009 3101011 3101013 3101015 3101017 3101021 3101023 3101025 3101027 3101029 3101031 3101033 3101035	Description Cultural, Custom, Religious Developmentally Impaired Hearing Impaired Language None Noted Obesity Physical Barrier (Unable to Access Patient) Physically Impaired Physically Restrained Psychologically Impaired Sight Impaired Speech Impaired Unattended or Unsupervised (including minors) Unconscious Uncooperative State of Emotional Distress Alcohol Use, Suspected Drug Use, Suspected			

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Barriers to Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	09 <mark>Warning</mark>	When Barriers to Patient Care has a Not Value, no other value should be recorded.
nemSch_e12	24 <mark>Warning</mark>	When Barriers to Patient Care is "None Noted", no other value should be recorded.

National

eHistory.17 - Alcohol/Drug Use Indicators

Definition

Indicators for the potential use of alcohol or drugs by the patient related to the patient's current illness or injury.

National Element	Yes	Pertinent Negatives (PN)	Yes		
State Element	Yes	NOT Values	Yes		
Version 2 Element	E12_19	Is Nillable	Yes		
Usage	Required	Recurrence	1 : M		
Associated Performance Measure Initiatives					
Trauma					
Attributes NOT Values (NV)					
7701001 - Not Applicable 7701003 - Not Recorded					

Pertinent Negatives (PN)

8801015 - None Reported

8801023 - Unable to Complete

Code List

Code	Description
3117001	Alcohol Containers/Paraphernalia at Scene
3117003	Drug Paraphernalia at Scene
3117005	Patient Admits to Alcohol Use
3117007	Patient Admits to Drug Use
3117009	Positive Level known from Law Enforcement or Hospital Record
3117013	Physical Exam Indicates Suspected Alcohol or Drug Use

Data Element Comment

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.



egend	Dataset Level: National S State D Deprecated Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation I I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation	
Vitals		
:м eVit	als.VitalGroup	
1:1	eVitals.01 - Date/Time Vital Signs Taken	N S R N, L
1:1	eVitals.02 - Obtained Prior to this Unit's EMS Care	N S R N, L
1:1	eVitals.CardiacRhythmGroup	
	1 : M eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	N <mark>S</mark> R <mark>N, L,</mark>
	1:1 eVitals.04 - ECG Type	N S R N, L
	1: M eVitals.05 - Method of ECG Interpretation	N S R N, L
1:1	eVitals.BloodPressureGroup	
	1 : 1 eVitals.06 - SBP (Systolic Blood Pressure)	N S R N, L,
1:1	eVitals.HeartRateGroup	
	1:1 eVitals.10 - Heart Rate	N S R N, L,
1:1	eVitals.12 - Pulse Oximetry	N S R N, L, P
1:1	eVitals.14 - Respiratory Rate	N S R N, L, P
1:1	eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	N S R N, L, P
1:1	eVitals.18 - Blood Glucose Level	N S R N, L, P
1:1	eVitals.GlasgowScoreGroup	
	1 : 1 eVitals.19 - Glasgow Coma Score-Eye	N S R N, L,
	1 : 1 eVitals.20 - Glasgow Coma Score-Verbal	N <mark>S</mark> R <mark>N, L,</mark>
	1:1 eVitals.21 - Glasgow Coma Score-Motor	N <mark>S</mark> R <mark>N, L,</mark>
	1 : M eVitals.22 - Glasgow Coma Score-Qualifier	N S R N, L
1:1	eVitals.26 - Level of Responsiveness (AVPU)	N S R N, L
1:1	eVitals.PainScaleGroup	
	1:1 eVitals.27 - Pain Scale Score	N S R N, L,
1:1	eVitals.StrokeScaleGroup	
	1:1 eVitals.29 - Stroke Scale Score	N S R N, L,
	1:1 eVitals.30 - Stroke Scale Type	N S R N, L
1:1	eVitals.31 - Reperfusion Checklist	N S R N, L, P

eVitals.01

National

eVitals.01 - Date/Time Vital Signs Taken

Definition	Definition					
The date/time vital signs were taken on the patient.						
National Element		Yes	Pertinent Negativ	/es (PN)	No	
State Ele	ement	Yes	NOT Values		Yes	
Version 2	2 Element	E14_01	Is Nillable		Yes	
Usage		Required	Recurrence		1:1	
Associate	ed Performance Me	asure Initiatives				
Airway	Cardiac Arrest	Pediatric STEMI	Stroke Trauma			
Attributes	6					
NOT Valu 7701001 -	es (NV) Not Applicable	7701003 - Not Rec	corded			
Constrair	nts					
Data Type dateTime			xInclusive 50-01-01T00:00:00-0	0:00		
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 Eler	ment Comment					
DateTime	consists of finite-length	characters of the form: yy	/y '-' mm '-' dd 'T' hh	:' mm ':' ss ('.'	s+)? (zzzzz)	
уууу а	a four-digit numeral that represents the year					
'-' s	separators between parts of the date portion					
mm a	a two-digit numeral that represents the month					
dd a	a two-digit numeral that represents the day					
T s	separator that indicates	time-of-day follows				
hh a	a two-digit numeral that	represents the hour				
':' a	a separator between parts of the time-of-day portion					
mm a	mm a two-digit numeral that represents the minute					
SS a	ss a two-integer-digit numeral that represents the whole seconds					
'.' s+ (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 tv	mm a two-digit numeral that represents the minutes					

a nonnegative duration '+'

 2° a nonpositive duration

Associated Validation Rules

Level

Rule ID

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".

National

eVitals.02 - Obtained Prior to this Unit's EMS Care

Definition					
Indicates that the informat	on which is documented	was obtained prior to the docu	menting 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 M Airway Cardiac Arrest		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 Rule	S				
Rule ID Level Message					
nemSch_e001 Error W	nemSch_e001 Error When Obtained Prior to this Unit's EMS Care is empty, it should have a Not Value (Not				

nemsch_eoor Enor	Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002 Error	When Obtained Prior to this Unit's EMS Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e125 Warning	Date/Time Vital Signs Taken should be recorded, unless Obtained Prior to this Unit's EMS Care is "Yes".
nemSch_e126 Warning	Date/Time Vital Signs Taken should not be earlier than Unit Notified by Dispatch Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes".
nemSch_e127 Warning	Date/Time Vital Signs Taken should not be earlier than Arrived at Patient Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes".
nemSch_e128 Warning	Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e129 Warning	Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.
nemSch_e130 Warning	Date/Time Vital Signs Taken should not be later than Arrived at Patient Date/Time when Obtained Prior to this Unit's EMS Care is "Yes".

eVitals.03

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 Mea	asure Initiatives		
Cardiac Arrest STEMI			
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not F	Recorded	
Pertinent Negatives (PN) 8801019 - Refused	8801023 - Unab	le to Complete	
Code List			
CodeDescription9901001Agonal/Idioventricular9901005Artifact9901007Atrial Fibrillation9901009Atrial Flutter9901009Atrial Flutter9901011AV Block-1st Degree9901013AV Block-2nd Degree-9901015AV Block-2nd Degree-9901017AV Block-3rd Degree9901017AV Block-3rd Degree9901017AV Block-3rd Degree9901021Left Bundle Branch Bla9901023Non-STEMI Anterior Is9901025Non-STEMI Inferior Is9901027Non-STEMI Posterior9901030Non-STEMI Septal Isc9901031Other9901033Paced Rhythm9901034Premature Atrial Contr9901035PEA9901043Sinus Arrhythmia9901043Sinus Bradycardia9901045Sinus Bradycardia9901051STEMI Anterior Ischer9901053STEMI Inferior Ischer9901054STEMI Posterior Ischer9901055STEMI Posterior Ischer9901056STEMI Septal Ischerni9901057STEMI Posterior Ischer9901058STEMI Septal Ischerni9901059Supraventricular Tach9901061Torsades De Points9901065Unknown AED Non-SI9901065Unknown AED Shocka9901067Ventricular Tachycard9901071Ventricular Tachycard9901071Ventricular Tachycard	-Type 1 -Type 2 ock schemia chemia lschemia lschemia schemia ractions Contractions Block mia nia emia nia emia ia ycardia hockable Rhythm able Rhythm ia (With Pulse)		

Data Element Comment

Associated V	alidation P	
Rule ID		Message
nemSch_e001		When Cardiac Rhythm / Electrocardiography (ECG) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	2 Error	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	3 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	9 Warning	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value, no other value should be recorded.
nemSch_e010) <mark>Warning</mark>	When Cardiac Rhythm / Electrocardiography (ECG) has a Pertinent Negative, no other value should be recorded.
nemSch_e087	⁷ 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	3 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI".

eVitals.04 - ECG Type

eVitals.04

State

National

eVitals.04 - ECG Typ	e				
Definition					
The type of ECG asso	ociated with the cardiac rhyt	hm.			
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 Performar	nce Measure Initiatives				
STEMI					
Attributes					
NOT Values (NV) 7701001 - Not Applicable	e 7701003 - Not F	Recorded			
Code List					
Code Description 330400 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 3304014 16 Lead					
Data Element Comme	ent				
Version 3 Changes In	nplemented				
Added to better documer	t 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					

nemSch_e002 Error When ECG Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

should be omitted (if the element is optional).

eVitals.05

National

eVitals.05 - Method of ECG Interpretation

Definition

The method of ECG interpretation.

The method of ECG interpr	etation.				
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 Mo STEMI	easure Initiatives				
Attributes					
NOT Values (NV) 7701001 - Not Applicable	NOT Values (NV)				
Code List					
CodeDescription3305001Computer Interpretation3305003Manual Interpretation3305005Transmission with No Interpretation3305007Transmission 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.

eVitals.06

National

eVitals.06 - SBP (Systolic Blood Pressure)

Definition					
The patient's systolic	blood pres	sure.			
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 Performan	ce Measu	re Initiatives			
Airway Cardiac Arres	st Pedia	atric STEMI S	Stroke Trauma		
Attributes					
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded					
Pertinent Negatives (PN)8801005 - Exam Finding Not Present8801019 - Refused8801023 - Unable to Complete					
Constraints					
Data Typemiinteger0	nInclusive	nclusive maxInclusive 500			
Data Element Comme	nt				
Required for ACS-Field T	riage and ot	her patient scoring sys	tems.		
Associated Validation	Rules				
Rule ID Level	Message	9			
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).

eVitals.10 - Heart Rate

State

National

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 Me Airway Cardiac Arrest		Stroke Trauma			
Attributes					
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded					
Pertinent Negatives (PN)8801005 - Exam Finding Not Present8801019 - Refused8801023 - Unable to Complete					
Constraints					
Data TypeminInclusivemaxInclusiveinteger0500					
Data Element Comment					
Pulse Rate and Electronic Monitor Rate have been merged with an additional data element for Method of Heart Rate Measurement.					
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.12

National

eVitals.12 - Pulse Oximetry

Definition						
The patient's oxygen satura	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 M	easure Initiatives					
Airway Cardiac Arrest	Pediatric STEMI	Stroke Trauma				
Attributes						
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded				
Pertinent Negatives (PN)8801005 - Exam Finding Not Present8801019 - Refused8801023 - Unable to Complete						
Constraints						
Data TypeminIncluinteger0	nInclusive maxInclusive 100					
Data Element Comment						
Associated Validation Rules	3					
Rule ID Level Me	Message					
Not	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).					
	When Pulse Oximetry has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.					
	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).					

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 Present8801019 - Refused8801023 - Unable to Complete					
Constraints					
Data TypeminIncinteger0	inInclusive maxInclusive 300				
Data Element Comment					
Associated Validation Rul	es				
Rule ID Level N	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).					
	When Respiratory Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.				
	emSch_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).				

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 E		E14_13	Is Nillable	Yes	
Usage		Required	Recurrence	1:1	
Associated Perfor	mance Mea	sure Initiatives			
Airway Cardiac	Arrest Po	ediatric STEMI	Stroke Trauma		
Attributes					
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded					
Pertinent Negatives (PN)8801019 - Refused8801023 - Unable to Complete					
ETCO2Type . 3340001 - mmHg 3340003 - Percentage 3340005 - kPa					
Constraints					
Data Type decimal	totalDigits 4	fractionDi 1	gits minInclusive 0	maxInclusive 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). When End Tidal Carbon Dioxide (ETCO2) has a Not Value (Not Applicable, Not Recorded, or nemSch_e002 Error Not Reporting), it should be empty. When End Tidal Carbon Dioxide (ETCO2) has a Pertinent Negative, it should be empty and it nemSch e008 Error 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". End Tidal Carbon Dioxide (ETCO2) should be an integer when ETCO2 Type is "mmHg". nemSch_e133 Warning nemSch_e134 Warning ETCO2 Type should be recorded when End Tidal Carbon Dioxide (ETCO2) is recorded.

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 Me	asure Initiatives					
Pediatric Stroke						
Attributes						
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded				
Pertinent Negatives (PN) 8801019 - Refused	0 ()					
Constraints						
Pattern [2][0][0][1][0-9][0-9][0-9][0-9][0-9][1-9][0-9] [0-9] High Low						
Data Element Comment						
Associated Validation Rules						
Rule ID Level Mes	Message					
or N	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).					
	When Blood Glucose Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.					
	When Blood Glucose Level has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).					

eVitals.19

National

eVitals.19 - Glasgow Coma Score-Eye

Definition				
The patient's Glasgow Coma	a Score Eye opening re	esponse.		
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 Me	asure Initiatives			
Airway Cardiac Arrest I	Pediatric STEMI	Stroke Trauma		
Attributes				
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded				
Pertinent Negatives (PN)8801019 - Refused8801023 - Unable to Complete				
Code List				
CodeDescription1No eye movement when assessed (All Age Groups)2Opens Eyes to painful stimulation (All Age Groups)3Opens Eyes to verbal stimulation (All Age Groups)4Opens 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_e0	01 <mark>Error</mark>	When Glasgow Coma Score-Eye is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e0	02 <mark>Error</mark>	When Glasgow Coma Score-Eye has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e0	08 <mark>Error</mark>	When Glasgow Coma Score-Eye has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.20

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 Attributes Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Pertinent Negatives (PN) 8801023 - Unable to Complete 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	2 Error	When Glasgow Coma Score-Verbal has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	B Error	When Glasgow Coma Score-Verbal has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.21

National

eVitals.21 - Glasgow Coma Score-Motor

Definition								
The patient's G	lasgow Com	a Score M	otor respons	se.				
National Eleme	nt		Yes	Pertine	nt Negatives (PN	l)	Yes	
State Element			Yes	NOT Va	alues		Yes	
Version 2 Elem	ent	E	14_17	Is Nilla	ble		Yes	
Usage		Re	quired	Recurre	ence		1:1	
Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric STEMI Stroke Trauma Attributes Attributes Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Pertinent Negatives (PN) 8801023 - Unable to Complete 8801023 - Unable to Complete								
Code List	-							
2 Extens 3 Flexior 4 Withdr 5 Localiz	iption tor Response (sion to pain (All n to pain (All Ag awal from pain zing pain (All Ag commands (>2	Age Groups je Groups) (All Age Gr ge Groups)	s) oups)	oonse to stin	nulation			

Data Element Comment

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

Associated	Associated Validation Rules					
Rule ID	Level	Message				
nemSch_e0	01 <mark>Error</mark>	When Glasgow Coma Score-Motor is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).				
nemSch_e0	02 <mark>Error</mark>	When Glasgow Coma Score-Motor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.				
nemSch_e0	08 <mark>Error</mark>	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).				

National

eVitals.22 - Glasgow Coma Score-Qualifier

Definition					
Documentation of factors wh	nich make the GCS sco	re 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 Me	asure Initiatives				
Airway Cardiac Arrest	Pediatric STEMI	Stroke Trauma			
Attributes					
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded			
Code List					
CodeDescription3322001Eye Obstruction Prevents Eye Assessment3322003Initial GCS has legitimate values without interventions such as intubation and sedation3322005Patient Chemically Paralyzed3322007Patient Chemically Sedated3322009Patient Intubated					
Data Element Comment					
Definitions now based on the National Trauma Data Standard (NTDS).					
Associated Validation Rules					
Rule ID Level Mes	Rule ID Level Message				

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.

eVitals.26

National

eVitals.26 - Level of Responsiveness (AVPU)

Definition					
The patient's highest level o	f responsiveness.				
National Element	Yes	Yes Pertinent Negatives (PN)			
State Element	Yes	NOT Values	Yes		
Version 2 Element	E14_22	Is Nillable	Yes		
Usage	Required	Recurrence	1:1		
Associated Performance Me	asure Initiatives				
Airway Cardiac Arrest	Pediatric STEMI	Stroke Trauma			
Attributes					
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded			
Code List					
CodeDescription3326001Alert3326003Verbal3326005Painful3326007Unresponsive					
Data Element Comment					
Definition changed to indicate high	ghest level of responsivene	SS.			
Associated Validation Rules					
Rule ID Level Mes	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.					

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						
Pertinent Negatives (PN)8801019 - Refused8801023 - Unable to Complete						
Constraints						
Data TypeminInclusinteger0	ive m 10	axInclusive				

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_e00	01 <mark>Error</mark>	When Pain Scale Score is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00)2 <mark>Error</mark>	When Pain Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00	08 <mark>Error</mark>	When Pain Scale Score has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eVitals.29

National

eVitals.29 - Stroke Scale Score

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes			
State Element	Yes	NOT Values	Yes			
Version 2 Element	E14_24	Is Nillable	Yes			
Usage	Required	Recurrence	1:1			
Associated Performance	Measure Initiatives					
Stroke						
Attributes						
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Pertinent Negatives (PN)						
8801019 - Refused 8801023 - Unable to Complete						
Code List	Code List					
CodeDescription3329001Negative3329003Non-Conclusive3329005Positive						
Data Element Comment						
Associated Validation Rules						
Rule ID Level I	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).

nemSch_e086 Warning Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Score is "Positive".

nemSch_e172 Warning Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

eVitals.30

National

eVitals.30 - Stroke Scale Type

Definition						
The type of stroke scale us	ed.					
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 M	easure Initiatives					
Stroke						
Attributes						
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded				
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 3330015 Boston Stroke Scale (BOSS) 3330017 Ontario Prehospital Stroke Scale (OPSS) 3330019 Melbourne Ambulance Stroke Screen (MASS) 3330021 Rapid Arterial oCclusion Evaluation (RACE) 3330023 Los Angeles Motor Score (LAMS)						
Data Element Comment	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	2 Error	When Stroke Scale Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

National

eVitals.31 - Reperfusion Checklist

eperfusion Checklist	for potential Thrombolysis use.		
Yes	Pertinent Negatives (PN)	Yes	
Yes	NOT Values	Yes	
E14_25	Is Nillable	Yes	
Required	Recurrence	1:1	
asure Initiatives			
CodeDescription3331001Definite Contraindications to Thrombolytic Use3331003No Contraindications to Thrombolytic Use3331005Possible Contraindications to Thrombolytic Use			
c Screen			
	Yes Yes E14_25 Required asure Initiatives 7701003 - Not R 8801023 - Unab	Yes NOT Values E14_25 Is Nillable Required Recurrence asure Initiatives Is Not Recorded 7701003 - Not Recorded 8801023 - Unable to Complete ions to Thrombolytic Use to Thrombolytic Use tions to Thrombolytic Use Is Not Recorded	

Rule ID	Level	Message
nemSch_e(001 <mark>Error</mark>	When Reperfusion Checklist is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e(002 <mark>Error</mark>	When Reperfusion Checklist has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e(008 <mark>Error</mark>	When Reperfusion Checklist has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).

eProtocols

Legend	Dataset Level: 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			
	I = Custom Element ID, I = Time Stamp, G = Procedure Group Correlation ID			
eProtocols				
1:M eProto	cols.ProtocolGroup			
1:1	eProtocols.01 - Protocols Used N S R N, L			
eProtoco	bls			

National

eProtocols.01 - Protocols Used

Definition			
The protocol used by EMS p	personnel to direct the o	clinical care of the patier	nt.
National Element	Yes	Pertinent Negatives (F	N) No
State Element	Yes	NOT Values	Yes
Version 2 Element	E17_01	Is Nillable	Yes
Usage	Required	Recurrence	1:1
Associated Performance Me	۰ ۱] _	
	Pediatric Response	STEMI Stroke	Trauma
Attributes			
NOT Values (NV)			
7701001 - Not Applicable	7701003 - Not Re	corded	
Code List			
Code Description			
9914001 Airway			
9914003 Airway-Failed			
9914005 Airway-Obstruction/Fe			
	nce Induction (RSI-Paralytic	c)	
9914009 Airway-Sedation Assi			
9914011 Cardiac Arrest-Asysto			
9914013 Cardiac Arrest-Hypoth	hermia-Therapeutic		
9914015 Cardiac Arrest-Pulsel	ess Electrical Activity		
9914017 Cardiac Arrest-Ventrie	cular Fibrillation/ Pulseless	Ventricular Tachycardia	
9914019 Cardiac Arrest-Post R	Resuscitation Care	-	
9914021 Environmental-Altitud	e Sickness		
9914023 Environmental-Cold E	Exposure		
9914025 Environmental-Frostb			
9914027 Environmental-Heat E			
9914029 Environmental-Heat S			
9914031 Environmental-Hypotl			
9914033 Exposure-Airway/Inha			
9914035 Exposure-Biological/I			
9914037 Exposure-Blistering A			
9914041 Exposure-Chemicals			
9914043 Exposure-Cyanide	- , -		
9914045 Exposure-Explosive/	Blast Iniurv		
9914047 Exposure-Nerve Ager			
9914049 Exposure-Radiologic			
9914051 General-Back Pain			
9914053 General-Behavioral/P	atient Restraint		
9914055 General-Cardiac Arre			
9914057 General-Dental Proble			
9914059 General-Epistaxis			
9914061 General-Fever			
9914063 General-Individualized	d Patient Protocol		
	edical Devices/Equipment		
9914067 General-IV Access			
9914069 General-Medical Devi	ice Malfunction		
9914071 General-Pain Control			
9914073 General-Spinal Immo			
	tient Care/ Initial Patient C	ontact	
9914077 Injury-Amputation		ondot	
9914079 Injury-Bites and Enve	nomations-Land		
9914081 Injury-Bites and Enve			
9914083 Injury-Bleeding/ Hemo			

9914083 Injury-Bleeding/ Hemorrhage Control

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

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 L	_evel	Message	
nemSch_e001 <mark>E</mark>	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 <mark>E</mark>	Error	When Protocols Used has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.	

eMedications

Leg	end	Dataset Level: National S State D Deprecated
		Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
		Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
		I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
эМ	edic	ations
: M	eMe	dications.MedicationGroup
	1:1	eMedications.01 - Date/Time Medication Administered
	1:1	eMedications.02 - Medication Administered Prior to this Unit's EMS Care
	1:1	eMedications.03 - Medication Administered N S R N, L, P
	1:1	eMedications.04 - Medication Administered Route
	1:1	eMedications.DosageGroup
		1:1 eMedications.05 - Medication Dosage
		1:1 eMedications.06 - Medication Dosage Units
	1:1	eMedications.07 - Response to Medication
	1 : M	eMedications.08 - Medication Complication
	1:1	eMedications.10 - Role/Type of Person Administering Medication
еM	I	eMedications.10 - Role/Type of Person Administering Medication

National

eMedications.01 - Date/Time Medication Administered

State Element Yes NOT Values Yes Version 2 Element E18_01 Is Nillable Yes Jsage Required Recurrence 1 : 1 Associated Performance Measure Initiatives Arway Cardiac Arrest Pediatric STEMI Airway Cardiac Arrest Pediatric STEMI Stroke Trauma Attributes NOT Values (NV) 7701003 - Not Recorded Oconstraints Data Type minInclusive 2050-01-01T00:00:00-00:00 Pattern 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Pattern [0-9]{2}-[0-9]{2}-[0-9]{2}:[0-9	Definition					
State Element Yes NOT Values Yes //ersion 2 Element E18_01 Is Nillable Yes //ersion 2 Element E18_01 Recurrence 1:1 //ersion 2 Element Pediatric STEMI Stroke Trauma Associated Performance Measure Initiatives Antributes NOT Values (NV) NOT Values (NV) 7701003 - Not Recorded Constraints Data Type mininclusive 2050-01-01T00:00:00-00:00 Pattern 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Pattern 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Pattern 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Pattern 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Paterime consists of finite-length characters of the form: yyyy '-m m '-' dd 'T hh ':' mm ':' ss ('.' s+)? (zzzzzz) yyyy a four-digit numeral that represents the year '' separator between parts of the date portion m	The date/time medication ad	ministered to the patier	nt.			
Version 2 Element E18_01 Is Nillable Yes Jsage Required Recurrence 1 : 1 Associated Performance Measure Initiatives Associated Performance Measure Initiatives Associated Performance Measure Initiatives Almvay Cardiac Arrest Pediatric STEMI Stroke Trauma Attributes 7701003 - Not Recorded Constraints Data Type mininclusive Data Type mininclusive 2050-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Peterm 0rol[04][0-9][2]-[0-9][2]:[0-	National Element	Yes	Pertinent Negatives (PN)	No		
Jsage 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 2050-01-01T00:00:00-00:00 Pattern [0-9](4)-[0-9](2)-[0-9](2):[0-9](2)	State Element	Yes	NOT Values	Yes		
Associated Performance Measure Initiatives Associated Performance Measure Initiatives Associated Performance Measure Initiatives 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):[0-9](Version 2 Element	E18_01	Is Nillable	Yes		
Airway Cardiac Arrest Pediatric STEMI Stroke Trauma Attributes NOT Values (NV) 7701003 - Not Recorded Constraints 7701003 - Not Recorded Data Type minInclusive maxInclusive dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00 Pattern [0-9]{2}-[0-9]{2}-[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}: Data Element Comment	Usage	Required	Recurrence	1:1		
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7701001 - Not Applicable 7701003 - Not Recorded Constraints maxInclusive 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}:[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}: Data Element Comment Data Element Comment Data Type a four-digit numeral that represents the year '.' separators between parts of the date portion mm a two-digit numeral that represents the day T separator between parts of the date portion mm a two-digit numeral that represents the day T separator between parts of the time-of-day portion mm 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 whole seconds '.' separator between parts of the time-of-day portion mm a two-integer-digit numeral that represents the whole seconds '.' separator between parts of the time-of-day portion mm a two-integer-digit numeral that represents the whole seconds '.' separator between parts of the fractional seconds '.' separator is the timezone (as described below) T T Trepresents the timezone (as described below) T T Trepresents the timezone (as described below) T T	Attributes					
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IO-9]{4}-[0-9]{2}-[0-9]{2}:[0-9]{2}						
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zzzzzz (required) represents the timezone (as described below) Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' '-') hh ':' mm	ss a two-integer-digit num	a two-integer-digit numeral that represents the whole seconds				
Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' '-') hh ':' mm	'.' s+ (not required) represen	s+ (not required) represents the fractional seconds				
	zzzzzz (required) represents th	e timezone (as described l	below)			
hh a two-digit numeral (with leading zeros as required) that represents the hours	Timezones, required, are duration	ns with (integer-valued) ho	ur and minute properties in the form	ı: ('+' '-') hh ':' mm		
mm a two-digit numeral that represents the minutes	mm a two-digit numeral that re	presents the minutes				

a nonnegative duration '+'

 2° a nonpositive duration

Associated Validation Rules

Level

Rule ID

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".

eMedications.02

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	te Element Yes NOT Values		Yes	
Version 2 Element	E18_02	Is Nillable	Yes	
Usage Required Recurrence		Recurrence	1:1	
Associated Performance Measure Initiatives				
Airway Cardiac Arrest Pediatric STEMI Stroke Trauma				
Attributes				
NOT Values (NV)				
7701001 - Not Applicable 7701003 - Not Recorded				
Code List				
Code Description 9923001 No 9923003 Yes				

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Medication Administered Prior to this Unit's EMS Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	2 <mark>Error</mark>	When Medication Administered Prior to this Unit's EMS Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e13	8 Warning	Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e13	7 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_e13	8 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_e13	9 <mark>Warning</mark>	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e14	0 <mark>Warning</mark>	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.
nemSch_e14	1 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_e14	6 Warning	Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e14	7 Warning	Medication Dosage should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
nemSch_e14	8 Warning	Medication Dosage Units should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

National

eMedications.03 - Medication Administered

Definition					
The medication administere	d 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 Me	easure Initiatives				
Airway Cardiac Arrest	Pediatric STEMI	Stroke Trauma			
Attributes					
NOT Values (NV) 7701001 - Not Applicable Partiment Negatives (PN)	7701003 - Not Red	corded			
Pertinent Negatives (PN)8801001 - Contraindication Noted8801003 - Denied By Order8801007 - Medication Allergy8801009 - Medication Already Taken8801019 - Refused8801023 - Unable to Complete8801027 - Order Criteria Not Met8801019 - Refused8801023 - Unable to Complete					
Code Type 9924003 - RxNorm	9924005 - SNOME	ED-CT			
Constraints					
Data TypeminLengstring2	th ma 9	uxLength			
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 - <u>http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html</u> Product - RxNorm Full Monthly Release					
SNOMED-CT Website: <u>http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html</u> Product: Product - UMLS Metathesaurus.					
Allowable SNOMED-CT codes a 116762002 Administration of blo 116795008 Transfusion of cryop 116861002 Transfusion of fresh 116865006 Administration of allo 180208003 Intravenous blood tr 33389009 Transfusion of whole 71493000 Transfusion of packer	od product recipitate frozen plasma umin ansfusion of platelets blood				
Associated Validation Rules					
Rule ID Level Me	ssage				
nemSch_e001 Error Wh	en Medication Administered	is empty, it should have a Not Value	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.

National

eMedications.04 - Medication Administered Route

Det	finit	ion
De		

The route medication was administered to the patient.

The route medication was ad	ministered to the p	atient.	
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			
CodeDescription9927001Blow-By9927003Buccal9927005Endotracheal Tube (E'9927007Gastrostomy Tube9927009Inhalation9927011Intraarterial9927013Intradermal9927015Intradermal9927016Intraocular9927017Intraocular9927019Intraoseous (IO)9927021Intravenous (IV)9927025Nasal Cannula9927031Non-Rebreather Mask9927032Opthalmic9927033Opthalmic9927034Rectal9927035Oral9927041Re-breather mask9927043Rectal9927044Rectal9927045Subcutaneous9927047Subingual9927053Transdermal9927054Ventimask9927055Urethral9927056BVM9927067CPAP9927068BVM9927073Umbilical Artery Cather9927075Umbilical Venous Cath	ter		

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: <u>http://www.sciencedirect.com/science/article/pii/S0196064498703178</u>. 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
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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	<mark>Warning</mark>	Medication Administered Route should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".

eMedications.05

State

National

eMedications.05 - Medication Dosage

Definition				
The dose or amount	of the medic	ation administer	ed 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 Applicable7701003 - Not Recorded				
Constraints				
Data Typetodecimal9	talDigits		fractionDigits 3	
Data Element Comment				
Associated Validation Rules				
Rule ID Level	Message	Message		
nemSch_e001 Error	or Not Re	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	A	Medication Dosage should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".		

National

eMedications.06 - Medication Dosage Units

Defin	ition
Dellin	ILION

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)

cahla

7701003 - Not Recorded

Code List Code Description 3706001 Grams (gms) 3706003 Inches (in) 3706005 International Units (IU) 3706007 Keep Vein Open (kvo) 3706009 Liters (I) 3706013 Metered Dose (MDI) 3706014 Micrograms (mcg) 3706017 Micrograms per Kilogram per Minute (mcg/kg/min) 3706019 Milliquivalents (mEq) 3706021 Milligrams (mg) 3706025 Milligrams per Kilogram Per Minute (mg/kg/min) 3706026 Milliliters (ml) 3706027 Milliliters (ml) 3706028 Other 3706030 Other 3706031 Centimeters (cm) 3706032 Drops (gtts) 3706033 Drops (gtts) 3706034 Liters Per Minute (LPM [gas]) 3706035 Liters Per Minute (mg/min) 3706043 Milligrams per Kilogram (mg/kg) 3706044 Milligrams per Kilogram (mcg/kg) 3706045 Units per Hour (units/hr) 3706046	7701001 -	Not Applicable 7701003 - Not Recorded
3706001Grams (gms)3706003Inches (in)3706005International Units (IU)3706007Keep Vein Open (kvo)3706009Liters (I)3706013Metered Dose (MDI)3706015Micrograms (mcg)3706017Micrograms per Kilogram per Minute (mcg/kg/min)3706021Milliequivalents (mEq)3706023Milligrams per Kilogram Per Minute (mg/kg/min)3706024Milligrams per Kilogram Per Minute (mg/kg/min)3706025Milliliters (ml)3706026Milliliters per Hour (ml/hr)3706027Milliliters per Hour (ml/hr)3706038Liters Per Minute (LPM [gas])3706039Milligrams per Kilogram (mg/kg)3706039Milligrams per Kilogram (mg/kg)3706039Milligrams per Kilogram (mg/kg)3706034Milligrams per Kilogram (mg/kg)3706043Puffs3706043Puffs3706044Milligrams per Kilogram (mcg/kg)3706045Units per Hour (units/hr)3706044Units per Kilogram per Hour (units/kg/hr)3706055Units per Kilogram per Hour (units/kg/hr)3706054Units per Kilogram per Hour (units/kg/hr)3706055Units per Kilogram per Hour (units/kg)3706055Units per Kilogram per Hour (units/kg)3706055Milligrams per Hour (mg/hr)	Code Lis	t
3706003Inches (in)3706005International Units (IU)3706007Keep Vein Open (kvo)3706009Liters (I)3706013Metered Dose (MDI)3706015Micrograms (mcg)3706017Micrograms per Kilogram per Minute (mcg/kg/min)3706019Milliequivalents (mEq)3706021Milligrams per Kilogram Per Minute (mg/kg/min)3706023Milligrams per Kilogram Per Minute (mg/kg/min)3706024Milligrams per Kilogram Per Minute (mg/kg/min)3706025Milliliters (ml)3706026Statistic (ml)3706027Milliliters per Hour (ml/hr)3706031Centimeters (cm)3706033Drops (gtts)3706034Liters Per Minute (LPM [gas])3706035Liters Per Minute (mcg/min)3706036Milligrams per Kilogram (mg/kg)3706041Milligrams per Kilogram (mg/kg)3706043Puffs3706044Vints per Hour (units/hr)3706045Units per Kilogram (mcg/kg)37060464Units per Kilogram per Hour (units/kg/hr)3706051Units per Kilogram per Hour (units/kg/hr)3706053Units per Kilogram per Hour (units/kg/hr)3706054Units per Kilogram per Hour (units/kg/hr)3706055Killigrams per Hour (mg/kr)	Code	Description
3706005International Units (IU)3706007Keep Vein Open (kvo)3706009Liters (I)3706013Metered Dose (MDI)3706015Micrograms (mcg)3706017Micrograms per Kilogram per Minute (mcg/kg/min)3706019Milliequivalents (mEq)3706021Milligrams (mg)3706023Milligrams per Kilogram Per Minute (mg/kg/min)3706024Milligrams per Kilogram Per Minute (mg/kg/min)3706025Milliliters (ml)3706026Milliliters per Hour (ml/hr)3706037Centimeters (cm)3706038Drops (gtts)3706037Liters Per Minute (LPM [gas])3706038Liters Per Minute (mcg/min)3706049Milligrams per Kilogram (mg/kg)3706041Milligrams per Kilogram (mg/kg)3706043Puffs3706044Puffs3706045Units per Hour (units/hr)3706047Micrograms per Kilogram (mcg/kg)3706051Units per Kilogram per Hour (units/kg/hr)3706053Units per Kilogram per Hour (units/kg/hr)3706054Units per Kilogram per Hour (units/kg/hr)3706055Units per Kilogram fer Hour (units/kg/hr)3706055Milligrams per Hour (mg/hr)	3706001	Grams (gms)
3706007Keep Vein Open (kvo)3706009Liters (I)3706013Metered Dose (MDI)3706015Micrograms (mcg)3706017Micrograms per Kilogram per Minute (mcg/kg/min)3706019Milliequivalents (mEq)3706021Milligrams (mg)3706023Milligrams per Kilogram Per Minute (mg/kg/min)3706025Milliliters (ml)3706027Milliliters per Hour (ml/hr)3706039Other3706031Centimeters (cm)3706033Drops (gtts)3706034Liters Per Minute (LPM [gas])3706035Liters Per Minute (mcg/min)3706039Milligrams per Kilogram (mg/kg)3706041Milligrams per Kilogram (mg/kg)3706043Puffs3706045Units per Hour (units/hr)3706047Micrograms per Kilogram (mcg/kg)3706045Units per Hour (units/hr)3706045Units per Kilogram per Hour (units/kg/hr)3706055Units per Kilogram per Hour (units/kg/hr)3706055Milligrams per Hour (mg/hr)	3706003	Inches (in)
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3706013Metered Dose (MDI)3706015Micrograms (mcg)3706017Micrograms per Kilogram per Minute (mcg/kg/min)3706021Milliequivalents (mEq)3706023Milligrams (mg)3706024Milligrams per Kilogram Per Minute (mg/kg/min)3706025Milliliters (ml)3706026Milliliters per Hour (ml/hr)3706027Milliliters per Hour (ml/hr)3706030Centimeters (cm)3706031Centimeters (cm)3706032Liters Per Minute (LPM [gas])3706033Drops (gtts)3706034Milligrams per Kilogram (mg/kg)3706043Milligrams per Kilogram (mg/kg)3706043Puffs3706043Puffs3706044Milligrams per Kilogram (mcg/kg)3706045Units per Hour (units/hr)3706045Units per Kilogram per Hour (units/kg/hr)3706051Units per Kilogram per Hour (units/kg/hr)3706055Milligrams per Hour (units/kg)3706055Milligrams per Hour (units/kg)	3706007	Keep Vein Open (kvo)
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3706045Units per Hour (units/hr)3706047Micrograms per Kilogram (mcg/kg)3706049Units3706051Units per Kilogram per Hour (units/kg/hr)3706053Units per Kilogram (units/kg)3706055Milligrams per Hour (mg/hr)	3706041	
3706047Micrograms per Kilogram (mcg/kg)3706049Units3706051Units per Kilogram per Hour (units/kg/hr)3706053Units per Kilogram (units/kg)3706055Milligrams per Hour (mg/hr)	3706043	Puffs
 3706049 Units 3706051 Units per Kilogram per Hour (units/kg/hr) 3706053 Units per Kilogram (units/kg) 3706055 Milligrams per Hour (mg/hr) 		
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3706053 Units per Kilogram (units/kg) 3706055 Milligrams per Hour (mg/hr)		Units
3706055 Milligrams per Hour (mg/hr)	3706051	
	3706055	Milligrams per Hour (mg/hr)
Data Element Comment	Data Elei	ment Comment

, 100001a104			
Rule ID	Level	Message	
nemSch_e00	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Medication Dosage Units has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.	
nemSch_e14	48 Warning	Medication Dosage Units should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".	

National

eMedications.07 - Response to Medication

Definition

The patient's response to the medication.

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	9 7701003 - N	Not Recorded		
Code List	Code List			
CodeDescription9916001Improved9916003Unchanged9916005Worse				
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.

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 Applicable7701003 - Not Recorded			
Code List	Code List		
Code Description			

Code	Description
3708001	Altered Mental Status
3708003	Apnea
3708005	Bleeding
3708007	Bradycardia
3708009	Bradypnea
3708011	Diarrhea
3708013	Extravasation
3708015	Hypertension
3708017	Hyperthermia
3708019	Hypotension
3708021	Hypothermia
3708023	Hypoxia
3708025	Injury
3708029	Nausea
3708031	None
3708033	Other
3708035	Respiratory Distress
3708037	Tachycardia
3708039	Tachypnea
3708041	Vomiting
3708043	Itching
3708045	Urticaria

Data Element Comment

Rule ID	Level	Message
nemSch_e00)1 <mark>Error</mark>	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_e00)2 <mark>Error</mark>	When Medication Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e00)9 <mark>Warning</mark>	When Medication Complication has a Not Value, no other value should be recorded.
nemSch_e14	19 Warning	When Medication Complication is "None", no other value should be recorded.

eMedications.10

National

State

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

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	y =
9905027	Respiratory Therapist
9905029	Student
9905031	Critical Care Paramedic
9905033	
9905035	Nurse Practitioner
9905037	,
9905039	Licensed Practical Nurse (LPN)
9905041	Registered Nurse
9905043	Patient
9905045	Lay Person
9905047	Law Enforcement
9905049	5
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 C	Version 3 Changes Implemented		
Added to bett	er documen	t the type of healthcare professional who administered the medication.	
Associated	Associated Validation Rules		
Rule ID	Rule ID Level Message		
nemSch_e0	01 <mark>Error</mark>	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".

eProcedures

Logond						
Legend						
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional					
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation					
eProce	dures					
1:M ePr	ocedures.ProcedureGroup					
1:1	eProcedures.01 - Date/Time Procedure Performed	N <mark>S</mark> R N, L				
1:1	eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care	N <mark>S</mark> R N, L				
1:1	eProcedures.03 - Procedure	N <mark>S</mark> R N, L, P				
1:1	eProcedures.05 - Number of Procedure Attempts	N <mark>S</mark> R <mark>N, L</mark>				
1:1	eProcedures.06 - Procedure Successful	N <mark>S</mark> R <mark>N, L</mark>				
1 : M	eProcedures.07 - Procedure Complication	N <mark>S</mark> R <mark>N, L</mark>				
1:1	eProcedures.08 - Response to Procedure	N S R N, L				
1:1	eProcedures.10 - Role/Type of Person Performing the Procedure	N S R N, L				

eProcedures

National

eProcedures.01 - Date/Time Procedure Performed

Definitio						
The da	te/time the procedure	was performed on the	p	batient.		
National Element		Yes		Pertinent Negatives (PN)	No	
State E	lement	Yes		NOT Values	Yes	
Versior	n 2 Element	E19_01][Is Nillable	Yes	
Usage		Required][Recurrence	1:1	
Associa	ated Performance Mea	asure Initiatives				
Airway	Cardiac Arrest	Pediatric STEMI	S	troke Trauma		
Attribut	es					
	l ues (NV) 1 - Not Applicable	7701003 - Not Re	cc	orded		
Constra	aints					
Data Ty dateTim				kInclusive 0-01-01T00:00:00-00:00		
Pattern [0-9]{4}-		[0-9]{2}:[0-9]{2}(\.\d+)?(\+ -))[(0-9]{2}:[0-9]{2}		
Data El	lement Comment					
		characters of the form: yy	/y	y '-' mm '-' dd 'T' hh ':' mm ':' ss	'.' s+)? (zzzzz)	
уууу	a four-digit numeral that	t represents the year				
121	separators between pai	rts of the date portion				
mm	a two-digit numeral that	represents the month				
dd	a two-digit numeral that	represents the day				
Т	separator that indicates	time-of-day follows				
hh	a two-digit numeral that	represents the hour				
':'	a separator between pa	arts of the time-of-day portion	or	n		
mm	a two-digit numeral that	represents the minute				
SS	a two-integer-digit nume	eral that represents the wh	o	le seconds		
'.' s+	(not required) represent	ts the fractional seconds				
ZZZZZZ	(required) represents th	e timezone (as described	be	elow)		
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	mm a two-digit numeral that represents the minutes					

'+' a nonnegative duration

(2)a nonpositive duration

Associated Validation Rules

Level

Rule ID

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".

eProcedures.02

National

State

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 Me	asure Initiatives					
Airway Cardiac Arrest Pediatric STEMI Stroke Trauma						
Attributes						
NOT Values (NV)						
7701001 - Not Applicable 7701003 - Not Recorded						
Code List						
CodeDescription9923001No9923003Yes						

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

Associated \	Validation	Rules
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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	2 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	2 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	3 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	Varning	Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.
nemSch_e155	5 Warning	Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time.
nemSch_e156	3 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

National

eProcedures.03 - Procedure

Definition	Definition					
The procedure performed on the patient.						
National Element	hal 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 Noted8801003 - Denied By Order8801019 - Refused8801023 - Unable to Complete8801027 - Order Criteria Not Met						
Constraints						
Data Type maxInclusive minInclusive integer 999999999999999999999999999999999999						

Data Element Comment

Procedures which are recorded as a Vital Sign do not have to be documented in the Procedure Section. Code list is represented in SNOMEDCT. Reference the NEMSIS Suggested Lists at: https://nemsis.org/technical-resources/version-3/version-3-resource-repository/

SNOMEDCT

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

Rule ID Leve	el Message					
nemSch_e001 Erro	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 Erro	When Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.					
nemSch_e007 Erro	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 War	ning Procedure should be recorded when a procedure is performed.					

National

eProcedures.05 - Number of Procedure Attempts

Definition					
The number o	f attempts	taken to complete a	proced	lure or intervention regardless	of success.
National Elem	ent	Yes		Pertinent Negatives (PN)	No
State Element		Yes		NOT Values	Yes
Version 2 Eler	nent	E19_05		Is Nillable	Yes
Usage		Required		Recurrence	1:1
Associated Pe	rformance	e Measure Initiatives	,		
Airway Car	diac Arrest	Pediatric STEN	<u>۸۱ </u> ٤	Stroke Trauma	
Attributes					
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded					
Constraints					
Data TypeminInclusivemaxInclusiveinteger110					
Data Element	Comment				
Associated Va	lidation R	ules			
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).					
nomSch 0002	Error	When Number of Proco	duro Att	ampte has a Not Value (Not Applica	ble Not Recorded or Not

nemSch_e002 Error When Number of Procedure Attempts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

National

eProcedures.06 - Procedure Successful

Definition					
Indicates that this in	dividual procedure	attempt which wa	is performed on the patie	nt was successful.	
National Element	Y	/es Per	tinent Negatives (PN)	No	
State Element	Y	ves NO	T Values	Yes	
Version 2 Element	E1	9_06 Is N	lillable	Yes	
Usage	Rec	quired Rec	currence	1:1	
Associated Perform	ance Measure Initia	tives			
Airway Cardiac Ai	rest Pediatric	STEMI Stroke	e Trauma		
Attributes					
NOT Values (NV) 7701001 - Not Applical	ble 770'	1003 - Not Recorded	1		
Code List					
CodeDescription9923001No9923003Yes					
Data Element Comr	nent				
Associated Validation	on 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	nemSch_e002 Error When Procedure Successful has a Not Value (Not Applicable, Not Recorded, or Not Reporting),			

When Procedure Successful has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

National

eProcedures.07 - Procedure Complication

Definition

Any complication (abnormal effect on the patient) associated with the performance of the procedure on the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
State Element	res		165
Version 2 Element	E19_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : M
Associated Performance M	easure Initiatives		
Airway Pediatric Trau	ma		
Attributes			
NOT Values (NV)			
7701001 - Not Applicable	7701003 - Not Re	corded	
Code List			
CodeDescription3907001Altered Mental Statu3907003Apnea3907005Bleeding3907007Bradypnea3907009Diarrhea3907011Esophageal Intubati3907013Esophageal Intubati3907015Extravasation3907017Hypertension3907018Hypothermia3907021Hypothermia3907025Hypothermia3907026Hypoxia3907031Nausea3907035Other3907039Respiratory Distress3907041Tachypnea3907045Vomiting3907047Bradycardia3907049Itching	on-immediately on-other		

Data Element Comment

3907051 Urticaria

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.

National

eProcedures.08 - Response to Procedure

Definition

The patient's response to the procedure.

The patient's response	e to the procedule.			
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 R	ecorded		
Code List				
CodeDescription9916001Improved9916003Unchanged9916005Worse				
Data Element Comme	nt			
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.10

National

State

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	
State Element	
Version 2 Element Is Nillable	
Usage	
Associated Performance Me	
Airway Cardiac Arrest	
Attributes	
NOT Values (NV)	
7701001 - Not Applicable	
Code List	
CodeDescription9905001Advanced Emergency9905002Emergency Medical T9905003Emergency Medical T9905005Emergency Medical T9905005Emergency Medical T9905007Paramedic9905019Other Healthcare Pro9905021Other Non-Healthcare9905025Physician9905026Physician9905027Respiratory Therapist9905028Student9905039Community Paramedi9905035Nurse Practitioner9905036Physician Assistant9905037Physician Assistant9905039Licensed Practical Nu9905041Registered Nurse9905042Patient9905043Patient9905044Lay Person9905045Lay Enforcement9905047Law Enforcement9905049Family Member9905041Fire Personnel (non E	

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.

eDisposition

Leg	end Dataset Level: National S State D Deprecated Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation I = Custom Element ID, T = Time Stamp, G = Procedure Group Correl	
eD	sposition	
1:1	eDisposition.DestinationGroup	
	1:1 eDisposition.05 - Destination State	N S R N, L
	1:1 eDisposition.06 - Destination County	N S R N, L
	1:1 eDisposition.07 - Destination ZIP Code	N S R N, L
1:1	eDisposition.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
1:1	eDisposition.16 - EMS Transport Method	N S R N, L
1:1	eDisposition.17 - Transport Mode from Scene	N S R N, L
1 : M	eDisposition.18 - Additional Transport Mode Descriptors	N S R N, L
1:1	eDisposition.19 - Final Patient Acuity	N S R N, L
1 : M	eDisposition.20 - Reason for Choosing Destination	N S R N, L
1:1	eDisposition.21 - Type of Destination	N S R N, L
1:1	eDisposition.22 - Hospital In-Patient Destination	N S R N, L
1 : M	eDisposition.23 - Hospital Capability	N S R N, L
1 : M	eDisposition.HospitalTeamActivationGroup	
	1:1 eDisposition.24 - Destination Team Pre-Arrival Alert or Activation	N S R N, L
	1:1 eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation	N S R N, L
1:1	eDisposition.32 - Level of Care Provided per Protocol	N <mark>S</mark> R <mark>N, L</mark>
eD	sposition	

eDisposition.05

State

National

eDisposition.05 - Destination State

Definition			
The state of the destination t	he patient was delivere	ed 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 Mea	asure Initiatives Pediatric Response	STEMI Stroke Trauma	
Attributes NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red		A
Constraints			
Pattern [0-9]{2}			
Data Element Comment Based on the ANSI Code. May be	e auto-populated if list crea	ted 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.	

eDisposition.06

National

State

eDisposition.06 - Destination County

	e	14 C - 1	
De	rini	itior	า
20			

The destination county in which the patient was delivered or transferred to.

National Element Yes F		Pertinent Negatives (PN)	No	
State Element Yes		NOT Values	Yes	
Version 2 Element	E20_06	Is Nillable	Yes	
Usage	Isage Required		1:1	
Associated Performance Me	asure Initiatives			
Airway Cardiac Arrest Pediatric Response		STEMI Stroke Traum	а	
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - 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 When Destination County is empty, it should have a Not Value (Not Applicable, Not Recorded, or nemSch_e001 Error Not Reporting, if allowed for the 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. Destination County should be recorded when Transport Disposition is "Transport by This EMS nemSch_e161 Warning Unit...". Destination County should belong within the Destination State. nemSch_e162 Warning

National

eDisposition.07 - Destination ZIP Code

Definition

The destination ZIP code in which the patient was delivered or transferred to.

	Yes		Pertinent Negatives (PN)		(PN)	No	
State Element		Yes	NOT Values			Yes	
Version 2 Element		E20_07 Is Nillable			Yes		
Usage		quired	Recurrence			1:1	
Performance Me	easure Initi	atives					
Cardiac Arrest	Pediatric	liatric Response STEMI Stroke Trauma					
(NV) ot Applicable	77(01003 - Not Re	corded				
	Performance Me Cardiac Arrest (NV) ot Applicable	Re Performance Measure Initi Cardiac Arrest Pediatric (NV) ot Applicable 770	Required Performance Measure Initiatives Cardiac Arrest Pediatric Response (NV) ot Applicable 7701003 - Not Re	Image: Second	Image: Stress of the second stress	Required Recurrence Performance Measure Initiatives Cardiac Arrest Pediatric Response STEMI Stroke Trauma (NV) 7701003 - Not Recorded	Image: Second

[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: <u>https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</u> Product: USA - 5-digit ZIP Code Database, Commercial Edition

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	When Destination ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e00	2 <mark>Error</mark>	When Destination ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e16	3 Warning	Destination ZIP Code should be recorded when Transport Disposition is "Transport by This EMS Unit".

eDisposition.27

National

eDisposition.27 - Unit Disposition

Definition						
Definition	enosition for a		ant idontifuing	whother p	atient contact was i	made
National Eleme	•		Yes		Negatives (PN)	No
				NOT Valu		No
State Element		Yes				
Version 2 Elen	nent			Is Nillable		No
Usage		Mandatory		Recurrence	e .	1:1
Associated Performance Measure Initiatives						
	diac Arrest	Pediatric	Response	STEMI	Stroke Trauma	3
Code List						
CodeDescription4227001Patient Contact Made4227003Cancelled on Scene4227005Cancelled Prior to Arrival at Scene4227007No Patient Contact4227009No Patient Found4227011Non-Patient Incident (Not Otherwise Listed)						
Data Element						
-		· ·	tions. Who prov	vided care or	services is defined in I	ncident Dispostion.
Version 3 Cha	0 1					
Element added v		of V3.5.0				
Associated Validation Rules Rule ID Level Message						
nemSch_e018 Warning Unit En		-		d be recorde	d unless Unit Dispositi	on is "Cancelled Prior to
nemSch_e020 Warning Unit Arrived on Scene Date/Time should be recorded unless to Arrival at Scene".		recorded unless Unit [Disposition is "Cancelled Prior			
nemSch_e023 Warning Arrived at Patient Da Made".		nt Date/Time sh	ould be reco	ded when Unit Dispos	sition is "Patient Contact	
nemSch_e025		Left Scene val at Scene		uld be record	ed unless Unit Disposi	ition is "Cancelled Prior to
nemSch_e067 Warning Number of Patients at Scene should be "Multiple" or "Single" when Unit Disposition is "Patier Contact Made".		n Unit Disposition is "Patient				
nemSch_e070 Warning Incident Location Type should be recorded unless Unit Disposition is "Cancelled Prior to Arrivat Scene".		is "Cancelled Prior to Arrival				
nemSch_e071	Sch_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 a Scene".		Cancelled Prior to Arrival at				
nemSch_e073 Warning Incident County should be recorded Scene".		rded unless l	Init Disposition is "Ca	ncelled Prior to Arrival at		
nemSch_e180			should be "Pati "Patient Refuse			valuation/Care is "Patient

nemSch_e181 Warning	Unit Disposition should be "Patient Contact Made" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
nemSch_e182 Warning	Unit Disposition should be "Patient Contact Made" when Transport Disposition is a value other than "Non-Patient Transport (Not Otherwise Listed)" or "No Transport".
nemSch_e183 Warning	Patient Evaluation/Care should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e185 Warning	Crew Disposition should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e186 Warning	Transport Disposition should be recorded when Unit Disposition is "Patient Contact Made".

National

eDisposition.28 - Patient Evaluation/Care

Definition

The patient disposition for an EMS event identifying whether a patient was evaluated and care or services were provided.

National Element	Yes	Pertinent Negatives (PN)	No			
State Element Yes		NOT Values	Yes			
Version 2 Element		Is Nillable	Yes			
Usage Required Recurrence 1:1						
Associated Performance Measure Initiatives						
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma						
Attributes						
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded						
Code List						
CodeDescription4228001Patient Evaluated and Care Provided4228003Patient Evaluated and Refused Care4228005Patient Evaluated, No Care Required4228007Patient Refused Evaluation/Care4228009Patient Support Services Provided						
Data Element Comment						
-	· · · ·	vided care or services is defined in I	ncident Disposition.			
Version 3 Changes Imple						
Element added with the relea						
Associated Validation Ru Rule ID Level						
nemSch_e001 Error	Message 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).					
	When Patient Evaluation/Care Reporting), it should be empty.	has a Not Value (Not Applicable, No	ot Recorded, or Not			
	atient's Home County should nd Care Provided".	be recorded when Patient Evaluation	n/Care is "Patient Evaluated			
	ng Patient's Home State should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".					
	g Patient's Home ZIP Code should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".					
	Race should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".					
	ge should be recorded when rovided".	Patient Evaluation/Care is "Patient E	Evaluated and Care			
	ge Units should be recorded v rovided".	when Patient Evaluation/Care is "Pa	tient Evaluated and Care			
nemSch_e075 <mark>Warning</mark> [Pate/Time of Symptom Onset	should be recorded when Type of So	ervice Requested is			

	"Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e076 Warning	Possible Injury should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e078 Warning	Chief Complaint Anatomic Location should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e079 Warning	Chief Complaint Organ System should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e080 Warning	Primary Symptom should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e082 Warning	Provider's Primary Impression should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e084 Warning	Initial Patient Acuity should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e085 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e086 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Stroke Scale Score is "Positive".
nemSch_e087 Warning	Date/Time Last Known Well should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI".
nemSch_e089 Warning	Cause of Injury should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Possible Injury is "Yes".
nemSch_e093 Warning	Cardiac Arrest Etiology should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e095 Warning	Resuscitation Attempted By EMS should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e100 Warning	Arrest Witnessed By should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e103 Warning	AED Use Prior to EMS Arrival should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e108 Warning	Any Return of Spontaneous Circulation should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e115 Warning	End of EMS Cardiac Arrest Event should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided" and Cardiac Arrest is "Yes".
nemSch_e168 Warning	Final Patient Acuity should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".
nemSch_e180 Warning	Unit Disposition should be "Patient Contact Made" when Patient Evaluation/Care is "Patient Evaluated" or "Patient Refused Evaluation/Care".
nemSch_e183 Warning	Patient Evaluation/Care should be recorded when Unit Disposition is "Patient Contact Made".
nemSch_e184 Warning	Patient Evaluation/Care should be "Patient Evaluated and Care Provided" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".
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".

National

State

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)		(PN)	No
State Element Yes		NOT Valu	es		Yes	
Version 2 Element			Is Nillable			Yes
Usage	Re	equired	Recurrent	ce		1:1
Associated Performance	e Measure Initi	atives	-			
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma						
Attributes						
NOT Values (NV) 7701001 - Not Applicable	77	01003 - Not Re	corded			
Code List						
4229003Initiated Primary4229005Provided Care S4229007Assumed Prima4229009Incident Support4229011Back in Service,4229013Back in Service,Data Element Comment	 Initiated and Continued Primary Care Initiated Primary Care and Transferred to Another EMS Crew Provided Care Supporting Primary EMS Crew Assumed Primary Care from Another EMS Crew Incident Support Services Provided (Including Standby) Back in Service, No Care/Support Services Required 					Id be Vehicle or
Version 3 Changes Imp	emented					
Element added with the rele						
Associated Validation R	ules					
Rule ID Level	Message					
nemSch_e001 Error	When Crew Disposition is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).					
nemSch_e002 Error	When Crew Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.					
nemSch_e181 Warning	Unit Disposition should be "Patient Contact Made" when Crew Disposition contains " Primary Care" or "Provided Care Supporting Primary EMS Crew".					
nemSch_e184 Warning	Patient Evaluation/Care should be "Patient Evaluated and Care Provided" when Crew					

Disposition contains "... Primary Care..." or "Provided Care Supporting Primary EMS Crew".

nemSch_e185 Warning Crew Disposition should be recorded when Unit Disposition is "Patient Contact Made".

National

eDisposition.30 - Transport Disposition

Definition The transport disposition for an EMS event identifying whether a transport occurred and by which unit. National Element Yes Pertinent Negatives (PN) No **NOT Values** Yes State Element Yes Yes Version 2 Element Is Nillable Usage Required Recurrence 1:1Associated Performance Measure Initiatives Airwav Cardiac Arrest Pediatric Response STEMI Stroke Trauma Attributes **NOT Values (NV)** 7701003 - Not Recorded 7701001 - Not Applicable Code List Code Description 4230001 Transport by This EMS Unit (This Crew Only) Transport by This EMS Unit, with a Member of Another Crew 4230003 Transport by Another EMS Unit 4230005 Transport by Another EMS Unit, with a Member of This Crew 4230007 4230009 Patient Refused Transport Non-Patient Transport (Not Otherwise Listed) 4230011 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...". Primary Method of Payment should be recorded when Transport Disposition is "Transport by nemSch_e066 Warning 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...". Destination State should be recorded when Transport Disposition is "Transport by This EMS nemSch_e160 Warning 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".

National

eDisposition.16 - EMS Transport Method

Definition The method of transport by this EMS Unit. National Element Yes Pertinent Negatives (PN) No **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element 1:1 Usage Required Recurrence 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.

	andation it	
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	2 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	8 Warning	EMS Transport Method should not be recorded when Transport Disposition is "Patient Refused Transport" or "No Transport".

National

eDisposition.17 - Transport Mode from Scene

Definition				
Indication whether the transp	port was emergent or ne	on-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 Mea	asure Initiatives			
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma				
Attributes				
NOT Values (NV)7701001 - Not Applicable7701003 - 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.

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	2 Error	When Transport Mode from Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e166	8 Warning	Transport Mode from Scene should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e167	V Warning	Transport Mode from Scene should not be recorded when Transport Disposition is "Patient Refused Transport" or "No Transport".

National

eDisposition.18 - Additional Transport Mode Descriptors

Definition

The documentation of transport mode techniques for this EMS response.

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

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
4218001	Intersection Navigation-Against Normal Light Patterns
4218003	Intersection Navigation-With Automated Light Changing Technology
4218005	Intersection Navigation-With Normal Light Patterns
4218007	Speed-Enhanced per Local Policy
4218009	Speed-Normal Traffic
4218011	Lights and Sirens
4218013	Lights and No Sirens
4218015	No Lights or Sirens
4218017	Initial No Lights or Sirens, Upgraded to Lights and Sirens
4218019	Initial Lights and Sirens, Downgraded to No Lights or Sirens

Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

Rule ID	Level	Message
nemSch_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.

eDisposition.19

State

National

eDisposition.19 - Final Patient Acuity

		141.0
I)	etin	ition
_	····	

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

The acuity of the patient's co	ndition after EIVIS care	9.	
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 Mea	asure Initiatives Pediatric Trauma		
Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded			
Code List			
Code Description 4219001 Critical (Red) 4219003 Emergent (Yellow) 4219005 Lower Acuity (Green) 4219007 Dead without Resuscitation Efforts (Black) 4219009 Dead with Resuscitation Efforts (Black) 4219011 Non-Acute/Routine			

Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at

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

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

"Non-Acute/Routine" added for use with patients with no clinical issues-such as a refusal for a life assist-or for routine transfers. "Dead with Resuscitation Efforts (Black)" added for EMS units that arrived and provided resuscitation to a critical patient, but who was deceased at the end of the event (such as in a cardiac arrest).

Version 3 Changes Implemented

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

/ loooolated valia				
Rule ID Le	evel	Message		
nemSch_e001 <mark>Er</mark>	ror	When Final Patient Acuity is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).		
nemSch_e002 <mark>Er</mark>	ror	When Final Patient Acuity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.		
nemSch_e168 <mark>W</mark>	arning	Final Patient Acuity should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".		

National

eDisposition.20 - Reason for Choosing Destination

Definition				
The reason the unit chose t	o deliver or transfer th	e 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 Me Cardiac Arrest Pediatric	easure Initiatives STEMI Stroke	Trauma		
Attributes				
NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded				
Code List				
Code ListCodeDescription422001Closest Facility422003Diversion422005Family Choice422007Insurance Status/Requirement422009Law Enforcement Choice422011On-Line/On-Scene Medical Direction422013Other4220015Patient's Choice4220017Patient's Choice4220018Patient's Choice4220019Protocol4220019Regional Specialty Center				
Data Element Comment				

Required if the patient was transported.

Rule ID Leve	Message	
nemSch_e001 <mark>Erro</mark>	When Reason for Choosing Destination is empty, it sh Not Recorded, or Not Reporting, if allowed for the element for the element), or it should be omitted (if the element	ment) or a Pertinent Negative (if allowed
nemSch_e002 <mark>Erro</mark>	When Reason for Choosing Destination has a Not Va Reporting), it should be empty.	lue (Not Applicable, Not Recorded, or Not
nemSch_e009 War	When Reason for Choosing Destination has a Not Va	lue, no other value should be recorded.
nemSch_e169 War	Reason for Choosing Destination should be recorded by This EMS Unit".	when Transport Disposition is "Transport

eDisposition.21

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 **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element E20 17 1:1 Usage Required Recurrence 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 Morgue/Mortuary 4221009 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.

Rule ID	Level	Message
nemSch_e00	1 <mark>Error</mark>	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_e00	2 <mark>Error</mark>	When Type of Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e17	0 Warning	Type of Destination should be recorded when Transport Disposition is "Transport by This EMS Unit".
nemSch_e17	'1 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".

nemSch_e172 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding
	Emergency Department" and Stroke Scale Score is "Positive".

nemSch_e173 Warning Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

National

eDisposition.22 - Hospital In-Patient Destination

Definition The location within the hospital that the patient was taken directly by EMS (e.g., Cath Lab, ICU, etc.). National Element Yes Pertinent Negatives (PN) No **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element 1:1 Usage Required Recurrence Attributes NOT Values (NV) 7701003 - Not Recorded 7701001 - Not Applicable Code List Code Description Hospital-Burn 4222001 Hospital-Cath Lab 4222003 Hospital-CCU 4222005 4222007 Hospital-Endoscopy Hospital-Hospice 4222009 4222011 Hospital-Hyperbaric Oxygen Treatment 4222013 Hospital-ICU 4222015 Hospital-Labor and Delivery Hospital-Med/Surg 4222017 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 Hospital-Rehab 4222047 4222049 Hospital-SICU 4222051 Hospital-Oncology 4222053 Hospital-Outpatient Surgery

Data Element Comment

To be documented when in eDisposition.21 "Hospital-Non-Emergency Department Bed" is selected.

Version 3 Changes Implemented

Added to identify the location within the hospital that the patient was directly taken to by EMS.

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Hospital In-Patient Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eDisposition.23

National

State

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 F	Recorded	
Code List			
9908039Stroke-Primary Stro9908041Stroke-Thrombector	el 1 el 2 el 3 el 4 el 5 Capable Capable (24/7) I-PCI Capable Ready Hospital (ASRH)	· (TSC)	

Data Element Comment

To be documented when eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.

Stroke Center classifications based on Join Commission stroke certification: https://www.jointcommission.org/facts about joint commission stroke certification/

Version 3 Changes Implemented

Added to aid in determining if patients are transported to the appropriate hospital based on provider impression, assessment, and treatment.

Rule ID Level	Message
nemSch_e001 Error	When Hospital Capability is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002 Error	When Hospital Capability has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e009 <mark>Warnir</mark>	g When Hospital Capability has a Not Value, no other value should be recorded.

nemSch_e171 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Cardiac Arrest is "Yes".
nemSch_e172 Warning	Hospital Capability should be recorded when Type of Destination is "Hospital" or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".

nemSch_e173 Warning Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...".

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	2 Element		Is Nillable	Yes
Usage		Required	Recurrence	1:1
Associat	ed Performance Me	asure Initiatives		
Cardiac A	rrest STEMI	Stroke Trauma		
Attributes	5			
NOT Valu	ies (NV)			
7701001 - Not Applicable 7701003 - Not Recorded				
Code List				
CodeDescription4224001No4224003Yes-Adult Trauma4224005Yes-Cardiac Arrest4224007Yes-Obstetrics4224009Yes-Other4224011Yes-Pediatric Trauma4224013Yes-STEMI4224015Yes-Stroke4224017Yes-Trauma (General)4224019Yes-Sepsis				

Data Element Comment

Version 3 Changes Implemented

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

Rule ID	Level	Message	
nemSch_e00 ⁻	1 <mark>Error</mark>	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	2 <mark>Error</mark>	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	4 Warning	When Destination Team Pre-Arrival Alert or Activation is "No", no other value should be recorded.	
nemSch_e17	5 Warning	Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded.	
nemSch_e176	6 <mark>Warning</mark>	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".	

eDisposition.25

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	
Versior	a 2 Element		Is Nillable	Yes	
Usage		Required	Recurrence	1:1	
Associa	ated Performance Me	asure Initiatives			
Airway	Cardiac Arrest	Pediatric STEMI	Stroke Trauma		
Attribut	es				
	l ues (NV) 1 - Not Applicable	7701003 - Not Red	corded		
Constra	aints				
	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 El	lement Comment				
DateTim	ne consists of finite-length	h characters of the form: yy	yy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.	's+)? (zzzzz)	
уууу	a four-digit numeral that	t represents the year			
'-'	separators between pa	rts of the date portion			
mm	nm a two-digit numeral that represents the month				
dd	a two-digit numeral that represents the day				
Т	separator that indicates time-of-day follows				
hh	a two-digit numeral that represents the hour				
':'	a separator between parts of the time-of-day portion				
mm	a two-digit numeral that	t represents the minute			

 mm
 a two-digit numeral that represents the minute

 ss
 a two-integer-digit numeral that represents the whole seconds

 '.' s+
 (not required) represents the fractional seconds

zzzzzz (required) represents the timezone (as described below)

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

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

Version 3 Changes Implemented

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

Rule ID	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.

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 value	-sociated validation rules				
Rule ID Lev	Message				
nemSch_e001 Erro	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 Erro	When Level of Care Provided per Protocol has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.				
nemSch_e187 Wa	ng 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

Leger	Dataset Level: National S State D Deprecated	
Leger	Usage: $M = Mandatory$, $R = Required$, $E = Recommended$, or $O = Optional$	
	Attributes: $N = Not Values, P = Pertinent Negatives, L = Nillable, C = Correlation$	ID and/or II – IIIID
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correl	
eOut	come	
1:1 🤅	eOutcome.01 - Emergency Department Disposition	N <mark>S</mark> R <mark>N, L</mark>
1:1 🤅	eOutcome.02 - Hospital Disposition	N S R N, L
1:M e	Outcome.EmergencyDepartmentProceduresGroup	
1	eOutcome.09 - Emergency Department Procedures	N S R N, L
1	eOutcome.19 - Date/Time Emergency Department Procedure Performed	N <mark>S</mark> R <mark>N, L</mark>
1 : M	eOutcome.10 - Emergency Department Diagnosis	N S R N, L
1:1 €	eOutcome.11 - Date/Time of Hospital Admission	N S R N, L
1 : M e	Outcome.HospitalProceduresGroup	
1	eOutcome.12 - Hospital Procedures	N <mark>S</mark> R <mark>N, L</mark>
1	eOutcome.20 - Date/Time Hospital Procedure Performed	N <mark>S</mark> R <mark>N, L</mark>
1 : M	eOutcome.13 - Hospital Diagnosis	N S R N, L
1:1 6	eOutcome.16 - Date/Time of Hospital Discharge	N S R N, L
1:1 6	eOutcome.18 - Date/Time of Emergency Department Admission	N <mark>S</mark> R <mark>N, L</mark>
eOut	come	

National

eOutcome.01 - Emergency Department Disposition

Definition	
Definition	
Dominion	

The known disposition of the patient from the Emergency Department (ED).

Mational	•	, Vaa			No		
National	onal Element Yes		Perti	nent Negatives (PN)	No		
State Ele	e Element Yes		NOT	Values	Yes		
/ersion 2 Element E22_01 Is Nillable Yes			Yes				
Usage Required		Recu	Recurrence 1 : 1				
Associat	ed Performance Me	asure Initiatives					
Airway	Cardiac Arrest	Pediatric STE	MI Stroke	Trauma			
Attribute	S						
NOT Valu	ies (NV)						
	- Not Applicable	7701003 -	Not Recorded				
Code Lis	it						
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				t defined elsewhere in this co	de list		
06				ed home health service organi			
07	Left against medical	advice or discontin	ued care				
09	Admitted as an inpati						
20				Medical Health Care Patient)			
21	Discharged/transferre			,			
30	Still a patient or expe			es.			
43				ty (e.g., VA or federal health o	care facility)		
50	Discharged/transferre				-		
51	Discharged/transferre						
61				al based Medicare approved			
62				ity including distinct part units	of a hospital.		
63	Discharged/transferre						
64				der Medicaid but not certified			
65				chiatric distinct part unit of a h	ospital.		
66	Discharged/transferred to a Critical Access Hospital (CAH).						
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.						

Data Element Comment

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

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

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Emergency Department Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eOutcome.02

National

eOutcome.02 - Hospital Disposition

	1					
The know	wn disposition of the	patient from the hosp	bital, if admitted.			
National Element		Yes	Pertinent Negatives (PN)	No		
State Element Yes NOT Values				Yes		
Version 2 Element E22_02 Is Nillable Yes						
Usage	Jsage Required Recurrence 1 : 1					
Associate	ed Performance Mea	asure Initiatives				
Airway	Cardiac Arrest F	Pediatric STEMI	Stroke Trauma			
Attributes	S					
NOT Valu						
	Not Applicable	7701003 - Not Re	ecorded			
Code List	t					
Code	Description					
01		or self care (routine disch	arne)			
02	Discharged to home or self care (routine discharge) Discharged/transferred to another short term general hospital for inpatient care					
-	Discharged/transferred to a skilled nursing facility (SNF)					
03	Discharged/transferre	ed to a skilled nursing faci	lity (SNF)			
03 04						
04	Discharged/transferre	ed to an intermediate care	e facility (ICF)	ode list		
	Discharged/transferre Discharged/transferre	ed to an intermediate care ed to another type of instit				
04 05	Discharged/transferre Discharged/transferre	ed to an intermediate care ed to another type of instit	e facility (ICF) ution not defined elsewhere in this c			
04 05	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care	ed to an intermediate care ed to another type of instit	e facility (ICF) ution not defined elsewhere in this c organized home health service organ			
04 05 06	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o	ed to an intermediate care ad to another type of instit ad to home under care of advice or discontinued ca r did not recover - Religio	e facility (ICF) aution not defined elsewhere in this c organized home health service organ re us Non Medical Health Care Patient)	nization in anticipation of		
04 05 06 07	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre	ed to an intermediate care ad to another type of instit ad to home under care of advice or discontinued ca r did not recover - Religio ad to court/law enforceme	e facility (ICF) oution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt	nization in anticipation of		
04 05 06 07 20	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe	ed to an intermediate care ad to another type of instit ad to home under care of advice or discontinued ca r did not recover - Religio ad to court/law enforceme cted to return for outpatie	e facility (ICF) aution not defined elsewhere in this c organized home health service organ re us Non Medical Health Care Patient) nt nt services.	nization in anticipation of)		
04 05 06 07 20 21	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca	e facility (ICF) oution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt	nization in anticipation of)		
04 05 06 07 20 21 30	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home.	e facility (ICF) oution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health	nization in anticipation of)		
04 05 06 07 20 21 30 43	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa	e facility (ICF) oution not defined elsewhere in this c organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health ucility	nization in anticipation of) care facility)		
04 05 06 07 20 21 30 43 50 51 61	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa ed within this institution to	e facility (ICF) aution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health ucility a hospital based Medicare approved	nization in anticipation of) care facility) d swing bed.		
04 05 06 07 20 21 30 43 50 51 61 62	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa ed within this institution to ed to a inpatient rehabilita	e facility (ICF) aution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health acility a hospital based Medicare approved tion facility including distinct part unit	nization in anticipation of) care facility) d swing bed.		
04 05 06 07 20 21 30 43 50 51 61	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa ed within this institution to ed to a inpatient rehabilita ed to long term care hospi	e facility (ICF) oution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health ucility a hospital based Medicare approved tion facility including distinct part unit itals	nization in anticipation of) care facility) d swing bed. ts of a hospital.		
04 05 06 07 20 21 30 43 50 51 61 62 63 64	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa ed within this institution to ed to a inpatient rehabilita ed to long term care hospi ed to a nursing facility cert	e facility (ICF) aution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health acility a hospital based Medicare approved tion facility including distinct part unit itals	nization in anticipation of) care facility) d swing bed. ts of a hospital. d under Medicare		
04 05 06 07 20 21 30 43 50 51 61 62 63 64 65	Discharged/transferre Discharged/transferre Discharged/transferre covered skills care Left against medical a Deceased/Expired (o Discharged/transferre Still a patient or expe Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre Discharged/transferre	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa ed within this institution to ed to a inpatient rehabilita ed to long term care hospi ed to a nursing facility cert ed to a psychiatric hospita	e facility (ICF) aution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health acility a hospital based Medicare approved tion facility including distinct part unit itals tified under Medicaid but not certified of a psychiatric distinct part unit of a	nization in anticipation of) care facility) d swing bed. ts of a hospital. d under Medicare		
04 05 06 07 20 21 30 43 50 51 61 62 63 64	Discharged/transferred Discharged/transferred Discharged/transferred Covered skills care Left against medical a Deceased/Expired (o Discharged/transferred Still a patient or expe Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred Discharged/transferred	ed to an intermediate care ad to another type of institu- ed to home under care of advice or discontinued ca r did not recover - Religio ed to court/law enforceme cted to return for outpatie ed to a Federal Health Ca ed to Hospice - home. ed to Hospice - medical fa ed within this institution to ed to a inpatient rehabilita ed to long term care hospi ed to a nursing facility cert ed to a psychiatric hospita ed to a Critical Access Ho	e facility (ICF) aution not defined elsewhere in this co organized home health service organ re us Non Medical Health Care Patient, nt nt services. re Facility (e.g., VA or federal health acility a hospital based Medicare approved tion facility including distinct part unit itals tified under Medicaid but not certified of a psychiatric distinct part unit of a	nization in anticipation of) care facility) d swing bed. ts of a hospital. d under Medicare hospital.		

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

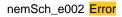
https://www.cms.gov/transmittals/downloads/R1104CP.pdf Page 35-36

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

Contractor site, Knowledge Trek: <u>http://www.ub04.net/downloads/Medicare_Pub_Ch_25.pdf</u> Please reference the section "FL 17 - Patient Status" found on page 23-25 of 126.

Associated Validation Rules				
Rule ID	Level	Message		
nemSch_e0	01 <mark>Error</mark>	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).



When Hospital Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

National

eOutcome.09 - Emergency Department Procedures

eOutcome.09 - Emergency	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 Re	corded			
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 - <u>http://uts.nlm.nih.gov</u> Product - UMLS Metathesaurus					
Version 3 Changes Implem	Version 3 Changes Implemented				
Added to better evaluate EMS care.					
Associated Validation Rules					
Rule ID Level Me	ssage				
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.

National

eOutcome.19 - Date/Time Emergency Department Procedure Performed

D	≏fir	nitio	n
	EIII	nuc	ווכ

The date/time the emergency department procedure was performed on the patient.

	•			•		
Nationa	Il Element	Yes		Pertinent	Negatives (PN)	No
State El	lement	Yes		NOT Values		Yes
Version	2 Element			Is Nillable)	Yes
Jsage		Required		Recurren	се	1:1
Associa	ated Performance Me	asure Initiatives		6		
Airway		Pediatric STEMI	ç	Stroke	Trauma	
Attribute	es					
	lues (NV) - Not Applicable	7701003 - Not F	Rec	orded		
Constra	aints					
Data Tyj dateTime				xInclusive 50-01-01T00):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 El	ement Comment					
	e consists of finite-length	characters of the form:	ууу	/y '-' mm '-' o	ld 'T' hh ':' mm ':' ss ('.'	s+)? (zzzzz)
уууу	a four-digit numeral tha	t represents the year				
<u>.</u>	separators between pa	rts of the date portion				
mm	a two-digit numeral that	t represents the month				
dd	a two-digit numeral that	t represents the day				
Т	separator that indicates	s time-of-day follows				
hh	a two-digit numeral that	t represents the hour				
':'	a separator between pa	arts of the time-of-day po	ortic	on		
mm	a two-digit numeral that	t represents the minute				
SS	a two-integer-digit num	eral that represents the	who	ole seconds		
'.' s+	(not required) represen	ts the fractional seconds	6			
zzzzz	(required) represents th	ne timezone (as describe	ed b	elow)		
	es, required, are duration				1	n: ('+' '-') hh ':' mm
hh a	two-digit numeral (with le	eading zeros as required	i) th	hat represen	ts the hours	

mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration

a nonpositive duration 121

Associated Validation Rules

Level

Rule ID

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).

When Date/Time Emergency Department Procedure Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

National

eOutcome.10 - Emergency Department Diagnosis

Definition

The practitioner's description of the condition or problem for which Emergency Department services were provided.

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 Re	corded			
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 - <u>http://uts.nlm.nih.gov</u> Product - UMLS Metathesaurus					
Version 3 Changes Imp	emented				
Added to better evaluate EN	//S care.				
Associated Validation R	ules				
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 Reporting), it should be empty	Diagnosis has a Not Value (Not Ap	plicable, Not Recorded, or Not		
nemSch_e009 <mark>Warning</mark>	When Emergency Department	Diagnosis has a Not Value, no othe	r value should be recorded.		

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
Attributos			

Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

Constraints Data Type

minInclusive

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

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

dateTime Pattern

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

Data Element Comment

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

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

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

hh	a two-digit numeral (with leading zeros as required) that represents the hours		
mm	nm 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).

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

eOutcome.12

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 Re	corded				
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 Impleme	ented					
Added to better evaluate EMS c	are.					
Associated Validation Rules	3					
Rule ID Level Me	ssage					
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).						
	en Hospital Procedures has ould be empty.	a Not Value (Not Applicable, Not R	ecorded, or Not Reporting), it			

National

eOutcome.20 - Date/Time Hospital Procedure Performed

Definit	Definition					
The d	The date/time the hospital procedure was performed on the patient.					
National Element		Yes		Pertinent Negatives (PN)	No	
State	Element	Yes		NOT Values	Yes	
Versio	n 2 Element		1	Is Nillable	Yes	
Usage)	Required]	Recurrence	1:1	
Assoc	iated Performance Mea	asure Initiatives				
Airway	Cardiac Arrest F	Pediatric STEMI	S	Stroke Trauma		
Attribu	tes					
	alues (NV))1 - Not Applicable	7701003 - Not Re	ec	orded		
Const	raints					
Data T dateTir				xInclusive 0-01-01T00:00:00-00:00		
Patter [0-9]{4]	n [0-9]{2}-[0-9]{2}T[0-9]{2}:[[0-9]{2}:[0-9]{2}(\.\d+)?(\+ -	·)[0-9]{2}:[0-9]{2}		
Data E	Element Comment					
	DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzz)					
уууу	a four-digit numeral tha	t represents the year				
121	separators between par	rts of the date portion				
mm	a two-digit numeral that	represents the month				
dd	a two-digit numeral that	represents the day				
Т	separator that indicates	time-of-day follows				
hh	a two-digit numeral that	represents the hour				
':'	a separator between pa	arts of the time-of-day porti	io	n		
mm	a two-digit numeral that	represents the minute				
SS	ss a two-integer-digit numeral that represents the whole seconds					
'.' s+ (not required) represents the fractional seconds						
zzzzz	zzzzzz (required) represents the timezone (as described below)					
Timezo	Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' '-') hh ':' mm					
hh	a two-digit numeral (with le	eading zeros as required) t	th	at represents the hours		
mm	n a two-digit numeral that represents the minutes					

a nonnegative duration '+'

 \mathbf{v} a nonpositive duration

Associated Validation Rules

Level

Rule ID

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).

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

eOutcome.13

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 Re	ecorded			
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 Impl					
Added to better evaluate EM					
Associated Validation Ru					
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	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 b	be recorded.		

National

eOutcome.16 - Date/Time of Hospital Discharge

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				

Attributes

NOT Values (NV) 7701001 - Not Applicable

7701003 - Not Recorded

Constraints Data Type

minInclusive

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

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

dateTime Pattern

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

Data Element Comment

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

уууу	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd a two-digit numeral that represents the day	
Т	separator that indicates time-of-day follows
hha two-digit numeral that represents the hour':'a separator between parts of the time-of-day portion	
SS	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzz	(required) represents the timezone (as described below)

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

hh	a two-digit numeral (with leading zeros as required) that represents the hours		
mm	nm 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).

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

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

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

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

dateTime Pattern

Data Element Comment

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

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

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

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

Rule ID	Level	Message
nemSch_e00	01 <mark>Error</mark>	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_e00	02 <mark>Error</mark>	When Date/Time of Emergency Department Admission has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.



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

dAgency						
1:1 dAgency.01 - EMS Agency Unique State ID	N S M					
1 : 1 dAgency.02 - EMS Agency Number	: 1 dAgency.02 - EMS Agency Number					
1:1 dAgency.04 - EMS Agency State	N S M					
1:M dAgency.AgencyServiceGroup	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					
1: M dAgency.07 - EMS Agency Census Tracts	N <mark>S</mark> R <mark>N, L</mark>					
1: M dAgency.08 - EMS Agency Service Area ZIP Codes	N <mark>S</mark> R <mark>N, L</mark>					
1:1 dAgency.09 - Primary Type of Service	N S M					
1:1 dAgency.11 - Level of Service	N S M					
1:1 dAgency.12 - Organization Status	N S M					
1:1 dAgency.13 - Organizational Type	N S M					
1:1 dAgency.14 - EMS Agency Organizational Tax Status	N S M					
1: M dAgency.25 - National Provider Identifier	N <mark>S</mark> R <mark>N, L</mark>					
1 : M dAgency.26 - Fire Department ID Number	N <mark>S</mark> R <mark>N, L</mark>					
dAgency						

Associated Validation Rules

Rule ID Message Level

nemSch_d005 Error

UUID must be universally unique.

dAgency.01

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 Me	asure Initiatives			
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	l	
Constraints				
Data Type minLengt string 1	h m a 50	axLength		

Data Element Comment

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

dAgency.02

National

dAgency.02 - EMS Agency Number

Definition							
The state-ass	signed provider	number c	of the respond	ling agency			
National Element			Yes	Pertinent Negatives (PN)		(PN)	No
State Element			Yes NOT Values			No	
Version 2 Element		D	01_01	1_01 Is Nillable		No	
Usage		Ma	ndatory	Recurrence			1:1
Associated P	erformance Me	asure Initi	atives				
Airway Ca	irway Cardiac Arrest Peo		Response	STEMI	Stroke	Trauma	
Constraints							
Data Type string	minLengt 1	h	m a 15	axLength			

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

State

National

dAgency.04 - EMS Agency State

Definition The state/territory which assigned the EMS agency number. National Element Yes Pertinent Negatives (PN) No **NOT** Values No Yes State Element Is Nillable No Version 2 Element D01_03 Recurrence 1:1 Usage Mandatory Associated Performance Measure Initiatives Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma Constraints Pattern [0-9]{2}

Data Element Comment

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

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

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

National

dAgency.05 - EMS Agency Service Area States

Definition

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

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

Pattern

[0-9]{2}

Data Element Comment

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

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

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

Associated Validation Rules				
Rule ID	Level	Message		
nemSch_d00	6 <mark>Error</mark>	EMS Agency Service Area County(ies) should belong to the state with which it is grouped.		
nemSch_d00	7 Warning	EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped.		

National

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

Definitio	n
Deminito	

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

	• • •		•		•		
National Element		Yes		Pertinent Negatives (PN)		(PN)	No
State Element			Yes	NOT Values			No
Version 2 Element		D01_04		Is Nillable			No
Usage		Ма	ndatory	Recurrence			1 : M
Associated Performance Measure Initiatives			atives				
Airway	way Cardiac Arrest Pediatric Response		STEMI	Stroke	Trauma		
Constraints							
Pattern							

[0-9]{5}

Data Element Comment

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

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

Associated Validation Rules				
Rule ID	Level	Message		
nemSch_d00	6 Error	EMS Agency Service Area County(ies) should belong to the state with which it is grouped.		
nemSch_d00	7 <mark>Warning</mark>	EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped.		

dAgency.07

National

dAgency.07 - EMS Agency Census Tracts

Definition

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

	5,	2 T	
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 R	ecorded	
Constraints			
Pattern			

[0-9]{11}

Data Element Comment

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

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

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

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

Associated Validation Rules

Associated validation rules					
Rule ID	Level	Message			
nemSch_d00	1 Error	When EMS Agency Census Tracts is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).			
nemSch_d00	2 <mark>Error</mark>	When EMS Agency Census Tracts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.			
nemSch_d00	3 Warning	When EMS Agency Census Tracts has a Not Value, no other value should be recorded.			
nemSch_d00	7 <mark>Warning</mark>	EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped.			

National

dAgency.08 - EMS Agency Service Area ZIP Codes

Definition

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

	0,			
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 Me	asure Initiatives			
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	1	
Attributes				
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Recorded			
Constraints				
Pattern				

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

Data Element Comment

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

Zip Codes Product Website: <u>https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</u> 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 <mark>Warnir</mark>	g When EMS Agency Service Area ZIP Codes has a Not Value, no other value should be recorded.

dAgency.09

National

dAgency.09 - Primary Type of Service

Definition	

The primary service type provided by the agency.

rne piina	i y service type pro	mueu by the agency.			
National E	Element Yes		Pertinent Negatives (PN)	No	
State Elem	nent	Yes	NOT Values	No	
Version 2	Element	D01_05	Is Nillable	No	
Usage		Mandatory	Recurrence	1:1	
Associated	Associated Performance Measure Initiatives				
Airway	Cardiac Arrest Pediatric Response STEMI Stroke Trauma				
Code List					
9920001 9 9920003 9 9920005 9 9920011 1 9920013 1 9920015 1 9920015 1 9920017 0	 911 Response (Scene) with Transport Capability 911 Response (Scene) without Transport Capability Air Medical Air Medical ALS Intercept Hazmat Medical Transport (Convalescent, Interfacility Transfer Hospital and Nursing Home) Rescue Community Paramedicine 				

Data Element Comment

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

dAgency.11

National

dAgency.11 - Level of Service

Definition

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

National	Element	Iement Yes Pertinent Negatives (PN) No					No
State Ele	ement		Yes NOT Values No				
Version 2	2 Element	D	01_07	Is Nillable	•		No
Usage		Ma	ndatory	Recurren	се		1:1
Associate	ed Performance Me	asure Initi	atives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	l
Code Lis	t						
Code 9917001 9917002 9917003 9917005 9917007 9917019 9917021 9917023 9917025 9917027 9917029 9917029	Emergency Medical T Emergency Medical R Emergency Medical R Paramedic Physician Critical Care Paramed Community Paramedi Nurse Practitioner Physician Assistant	Advanced Emergency Medical Technician (AEMT) Emergency Medical Technician - Intermediate Emergency Medical Responder (EMR) Emergency Medical Technician (EMT) Paramedic Physician Critical Care Paramedic Community Paramedicine Nurse Practitioner Physician Assistant Licensed Practical Nurse (LPN)					

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

National

dAgency.12 - Organization Status

Definition

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

National	Element	Yes	Pertinent	Pertinent Negatives (PN)		No
State Ele	ement	Yes	NOT Valu	es		No
Version 2	2 Element	D01_09	Is Nillable	Is Nillable		No
Usage		Mandatory	Recurrence	Recurrence		1:1
Associated Performance Measure Initiatives						
Airway	Cardiac Arrest	Pediatric Respo	onse STEMI	Stroke	Trauma	
Code Lis	t					
Code 1016001 1016003 1016005	Description Mixed Non-Volunteer Volunteer					
Data Element Comment						

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

National

dAgency.13 - Organizational Type

Definition						
The organizational structure	from which EMS service	ces are delivered (fire, hospital,	county, etc).			
National Element	Yes	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 Me	asure Initiatives					
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma				
Code List						
CodeDescription9912001Fire Department9912003Governmental, Non-Fire9912005Hospital9912007Private, Nonhospital9912009Tribal						
Data Element Comment						
Organizational Type is associate	d with the EMS Agency and	d the specific EMS Agency Number	(dAgency.02).			
Associated Validation Rules						
Rule ID Level Mes	ssage					
nemSch_d008 Warning Fire	Department ID Number sh	ould be recorded when Organization	nal Type is "Fire Department".			

nemSch_d009 Warning Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".

National

dAgency.14 - EMS Agency Organizational Tax Status

Definition

The EMS Agencies business/corporate organizational tax status.

National E	Element Yes		Pertinent Negatives (PN)		No		
State Elen	nent	Υ	′es	NOT Valu	es		No
Version 2	Element			Is Nillable		No	
Usage		Mandatory		Recurrence		1:1	
Associate	d Performance Me	asure Initia	tives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	
Code List							
1018001 1018003	Description For Profit Other (e.g., Governm Not For Profit	ent)					

Data Element Comment

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

dAgency.25

National

dAgency.25 - National Provider Identifier

Definition				
The National Pro	ovider Identi	fier issued by CMS.		
National Elemen	ıt	Yes	Pertinent Negatives (PN)	No
State Element	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 App	licable	7701003 - Not I	Recorded	
Constraints				
Data Type string	length 10			
Data Element Co	omment			

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.

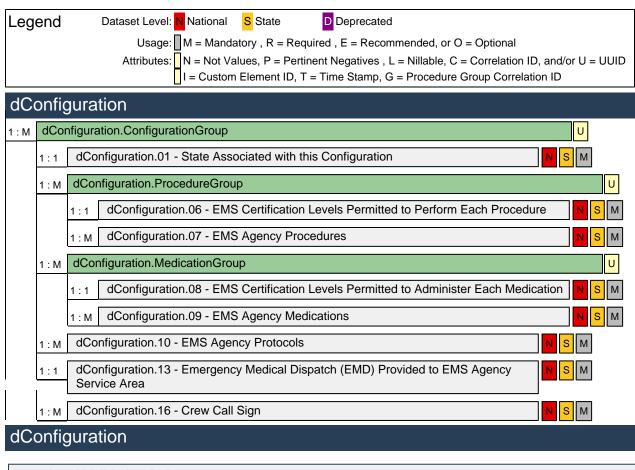
dAgency.26

National

dAgency.26 - Fire Department ID Number

Definition					
The state assigned F	ire Depa	rtment ID Number fo	r EMS Agency(ies) operating w	rithin 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 R	ecorded		
Constraints					
Data Typemstring1	inLength	ength maxLength 20			
Data Element Comme Fire Department ID was a systems such as NFIRS. Version 3 Changes In Added to better associate	added to b	ted	eartment EMS Agencies and linkage	to other EMS related data	
Associated Validation	Rules				
Rule ID Level	Mess	age			
nemSch_d001 <mark>Error</mark>	Recor	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	When Fire Department ID Number has a Not Value, no other value should be recorded.			
nemSch_d008 Warning	Fire D	epartment ID Number s	hould be recorded when Organizatio	nal Type is "Fire Department".	
nemSch_d009 Warning		epartment ID Number s rtment".	hould only be recorded when Organi	zational Type is "Fire	

dConfiguration



Associated Validation Rules

Rule ID Level Message

nemSch_d005 Error

UUID must be universally unique.

National

dConfiguration.01 - State Associated with this Configuration

Definition

The state associated with this configuration.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1:1
Constraints			
B 44			

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 L	.evel	Message			
nemSch_d010 <mark>W</mark>	Varning	There should be a configuration group where State Associated with this Configuration is the state recorded in EMS Agency State.			
nemSch_d011 <mark>W</mark>	Varning	State Associated with this Configuration should be unique (the same state should not be listed more than once).			
nemSch_d012 <mark>M</mark>	Varning	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 <mark>W</mark>		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.			

dConfiguration.06

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.

							garadornori
National	Element Yes			Pertinent Negatives (PN)		(PN)	No
State Ele	ement		Yes	NOT Value	es		No
Version 2	2 Element	D	04_05	Is Nillable			No
Usage		Ma	ndatory	Recurrenc	e		1:1
Associate	ed Performance Me	asure Initi	atives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	
Code Lis	t						
Code 9917001 9917002 9917003 9917005 9917007 9917021 9917023 9917025 9917027 9917029 9917031	Description Advanced Emergency Emergency Medical T Emergency Medical T Emergency Medical T Paramedic Physician Critical Care Paramed Nurse Practitioner Physician Assistant Licensed Practical Nu Registered Nurse	echnician - Responder (echnician (dic icine	Intermediate EMR)	Τ)			

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 \	Associated Validation Rules					
Rule ID	Level	Message				
nemSch_d01	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.				
nemSch_d01	3 <mark>Warning</mark>	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.				

National

dConfiguration.07 - EMS Agency Procedures

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M
Associated Performance Me	asure Initiatives		
Airway Cardiac Arrest I	Pediatric Response	STEMI Stroke Trauma	1
Constraints			
Data TypemaxInclusinteger999999999		nInclusive 0000	

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

dConfiguration.08

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 E	Element		Yes	Pertinent I	Negatives	(PN)	No
State Elen	nent		Yes	NOT Values			No
Version 2	Element	D	04_07	Is Nillable			No
Usage		Ма	ndatory	Recurrence	e		1:1
Associate	d Performance Me	asure Init	atives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	l
Code List							
9917001 9917002 9917003 9917005 9917007 9917019 9917021 9917023 9917025 9917027 9917029	Description Advanced Emergency Emergency Medical T Emergency Medical R Emergency Medical T Paramedic Physician Critical Care Paramedi Nurse Practitioner Physician Assistant Licensed Practical Nu Registered Nurse	echnician - Responder (echnician (dic cine	Intermediate (EMR)	Τ)			

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 V	Associated Validation Rules					
Rule ID	Level	Message				
nemSch_d012	2 Warning	EMS Certification Levels Permitted to Perform Each Procedure, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.				
nemSch_d013	3 Warning	EMS Certification Levels Permitted to Administer Each Medication, within the configuration group for the state recorded in EMS Agency State, should include the level recorded in Level of Service.				

National

dConfiguration.09 - EMS Agency Medications

Definition			
A list of all medications the a	igency has implemente	d 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 Mea	asure Initiatives		
Airway Cardiac Arrest F	Pediatric Response	STEMI Stroke Trauma	3
Attributes			
Code Type 9924003 - RxNorm	9924005 - SNOME	ED-CT	
Constraints			
Data TypeminLengthstring2	h ma 9	axLength	
Data Element Comment			
This is associated with the EMS / capabilities.	Agency Number (dAgency.	02) since each EMS Agency Numb	er may have different
List of medications based on RxN	lorm (RXCUI) code and SN	NOMED-CT codes for blood product	ts.
Reference the NEMSIS Suggeste	ed Lists at: <u>https://nemsis.o</u>	org/technical-resources/version-3/ve	ersion-3-resources/
RxNorm Website - <u>http://www.nlm.nih.gov</u> Product - RxNorm Full Monthly R		<u>s/rxnormfiles.html</u>	
SNOMED-CT Website: <u>http://www.nlm.nih.gov/r</u> Product: Product - UMLS Metathe	research/umls/Snomed/sno esaurus.	omed_main.html	
Allowable SNOMED-CT codes ar 116762002 Administration of bloc 116795008 Transfusion of cryopr 116861002 Transfusion of fresh f 116865006 Administration of albu	od product recipitate frozen plasma		

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_d0	14 Error	EMS Agency Medications should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_d0 ⁻	15 <mark>Error</mark>	EMS Agency Medications should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".
nemSch_d0 ⁻	16 <mark>Error</mark>	EMS Agency Medications should be an RxNorm code of between 2 and 7 digits or a SNOMED code specifically allowed in the data dictionary.

National

dConfiguration.10 - EMS Agency Protocols

Definition				
A list of all of the EMS field p	protocols that the ag	available	n place	or use.
National Element	Yes	Pertinent Negatives (PN)		No
State Element	Yes		/alues	No
Version 2 Element	D04_08		ble	No
Usage	Mandatory		rence	1 : M
Associated Performance Me	asure Initiatives			
Airway Cardiac Arrest	Pediatric Respons	e Traur		l
Code List				
CodeDescription9914001Airway9914003Airway-Failed9914005Airway-Obstruction/Fo9914007Airway-Rapid Sequen9914009Airway-Sedation Assis9914009Airway-Sedation Assis9914011Cardiac Arrest-Asysto9914013Cardiac Arrest-Pulsel9914015Cardiac Arrest-Pulsel9914017Cardiac Arrest-Ventric9914018Cardiac Arrest-Ventric9914019Cardiac Arrest-Ventric9914019Cardiac Arrest-Vost R9914021Environmental-Altitud9914023Environmental-Frostb9914024Environmental-Heat E9914025Environmental-Heat E9914026Environmental-Heat E9914027Environmental-Heat E9914038Exposure-Airway/Inha9914039Exposure-Airway/Inha9914031Exposure-Chemicals9914033Exposure-Cyanide9914043Exposure-Cyanide9914043Exposure-Nerve Ager9914045General-Behavioral/P9914051General-Behavioral/P9914053General-Dental Proble9914054General-Dental Proble9914055General-Individualized9914061General-Individualized9914065General-Individualized9914065General-Individualized9914065General-Individualized9914065General-Individualized9914065General-Individualized9914065General-Pain Control<	ace Induction (RSI-Para sted (Non-Paralytic) ble hermia-Therapeutic ess Electrical Activity cular Fibrillation/ Pulse Resuscitation Care le Sickness Exposure bite/Cold Injury Exposure/Exhaustion Stroke/Hyperthermia hermia alation Irritants nfectious to Eye Blast Injury nts Agents Patient Restraint est ems d Patient Protocol edical Devices/Equipm ice Malfunction bilization/Clearance tient Care/ Initial Patien enomations-Land enomations-Marine orrhage Control	ïa	ar Tacl	

9914093 Injury-Drowning/Near Drowning 9914095 Injury-Electrical Injuries 9914097 Injury-Extremity Injury-Eye 9914099 Injury-Head 9914101 Injury-Impaled Object 9914103 Injury-Multisystem 9914105 Injury-Spinal Cord 9914107 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 Medical-Hypoglycemia/Diabetic Emergency 9914125 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 Medical-Ventricular Tachycardia (With Pulse) 9914151 9914153 Not Done 9914155 OB/GYN-Childbirth/Labor/Delivery 9914157 **OB/GYN-Eclampsia** 9914159 **OB/GYN-Gynecologic Emergencies** 9914161 **OB/GYN-Pregnancy Related Emergencies** 9914163 **OB/GYN-Post-partum Hemorrhage** 9914165 Other 9914167 Exposure-Carbon Monoxide Cardiac Arrest-Do Not Resuscitate 9914169 9914171 Cardiac Arrest-Special Resuscitation Orders 9914173 **Exposure-Smoke Inhalation** 9914175 General-Community Paramedicine / Mobile Integrated Healthcare 9914177 General-Exception Protocol General-Extended Care Guidelines 9914179 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 Medical-Apparent Life Threatening Event (ALTE) 9914197 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 Injury-Lightning/Lightning Strike 9914209 Injury-SCUBA Injury/Accidents 9914211 Injury-Topical Chemical Burn 9914213 9914215 Medical-Beta Blocker Poisoning/Overdose 9914217 Medical-Calcium Channel Blocker Poisoning/Overdose 9914219 Medical-Opioid Poisoning/Overdose 9914221 Medical-Respiratory Distress-Bronchiolitis Medical-Respiratory Distress-Croup 9914223 9914225 Medical-Stimulant Poisoning/Overdose

Data Element Comment

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

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

The list is defined by the NASEMSO State Medical Directors.

dConfiguration.13

State

National

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

Definition

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

National	Element	Yes		Pertinent Negatives (PN)		(PN)	No
State Ele	ement	<u>ا</u>	/es	NOT Values			No
Version 2	2 Element			Is Nillable			No
Usage		Mandatory		Recurrence		1:1	
Associate	ed Performance Me	asure Initia	tives				
Airway	Cardiac Arrest	Pediatric	Response	STEMI	Stroke	Trauma	
Code Lis	t						
Code 1213001	Description No						

1213003 Yes, 100% of the EMS Agency's Service Area

1213005 Yes, Less than 100% of the EMS Agency's Service Area

Data Element Comment

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

National

dConfiguration.16 - Crew Call Sign

Definition

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

National Elem	nent	Yes	Pertinent Negatives (PN)	No
State Elemen	t	Yes	NOT Values	No
Version 2 Ele	ment	D04_02	Is Nillable	No
Usage		Mandatory	Recurrence	1 : M
Constraints				
Data Type string	minLengt 1	h m a 50	axLength	
Data Element	t Comment			
Associated V	alidation Rules			
Rule ID	Level Mes	sage		

nemSch_d017 Warning Crew Call Sign should be unique (the same call sign should not be listed more than once).



Legend	Dataset Level: National S State D Deprecated
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUIE I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
sState	
1:1 SState	e.01 - State
sState	

sState.01

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.

seCustomConfiguratio n

Legend	Dataset Level: National S State D Deprecated
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UUID
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
seCust	tomConfiguration
D:M SeC	ustomConfiguration.CustomGroup
1:1	seCustomConfiguration.01 - Patient Care Report Custom Data Element Title
1:1	seCustomConfiguration.02 - Patient Care Report Custom Definition
1:1	seCustomConfiguration.03 - Patient Care Report Custom Data Type
1:1	seCustomConfiguration.04 - Patient Care Report Custom Data Element Recurrence
1:1	seCustomConfiguration.05 - Patient Care Report Custom Data Element Usage
0 : M	seCustomConfiguration.06 - Patient Care Report Custom Data Element Potential Values
0 : M	seCustomConfiguration.07 - Patient Care Report Custom Data Element Potential NOT Values (NV)
0 : M	seCustomConfiguration.08 - Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN)
0:1	seCustomConfiguration.09 - Patient Care Report Custom Data Element Grouping ID S
seCust	tomConfiguration
Associat	ed Validation Rules

Rule	e ID	Level	Message
nem	Sch_s010	Error	The Custo

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).

seCustomConfiguration.01

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 whi	teSpace: preserve			
Constraints				
Data TypeminLengthmaxLengthstring2100				
Data Element Comment				
Used to populate eCustomConf	guration.01 Custom Data E	lement 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

State

National

seCustomConfiguration.02 - Patient Care Report Custom Definition

Definition

The definition of the patient care report custom data element and how it should be used.

Data Type string	minLength 2		maxLength 255	
Constraints				
Usage		Mandatory	Recurrence	1:1
Version 2 Elei	ment		Is Nillable	No
State Element		Yes	NOT Values	No
National Element		Yes	Pertinent Negatives (PN)	No

Data Element Comment

Used to populate eCustomConfiguration.02 Custom Definition.

National

seCustomConfiguration.03 - Patient Care Report Custom Data Type

Definition

The data type of the patient care report custom data element.

National Element		Yes	Pertinent Negatives (PN)	No
State Element		Yes	NOT Values	No
Version 2 Element			Is Nillable	No
Usage		Mandatory	Recurrence	1:1
Code List				
Code 9902001 9902003 9902005 9902007 9902009 9902009 9902011	Description Binary Date/Time Integer/Number Other Text/String Boolean			
Data Element Comment				

Used to populate eCustomConfiguration.03 Custom Data Type.

National

seCustomConfiguration.04 - Patient Care Report Custom Data Element Recurrence

Definition

Indication if the patient care report custom data element will accept multiple values.

National Element Yes		Pertinent Negatives (PN)	No	
State Element		Yes	NOT Values	No
Version 2 Element			Is Nillable	No
Usage Mandato		Mandatory	Recurrence	1:1
Code List				
Code Description 9923001 No 9923003 Yes				
Data Eleme	ent Comment			

Used to populate eCustomConfiguration.04 Custom Data Element Recurrence.

Version 3 Changes Implemented

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

National

seCustomConfiguration.05 - Patient Care Report Custom Data Element Usage

Definition

The state-level usage (Mandatory, Required, Recommended, or Optional) for the patient care report custom data element.

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

Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

Data Element Comment

Mandatory = Must be completed and will not accept null values. Required = Must be completed but will accept null values. Recommended = Not required but if collected will accept null values. Optional = Not required but if collected, it cannot be a null value.

Used to populate eCustomConfiguration.05 Custom Data Element Usage.

Version 3 Changes Implemented

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

National

seCustomConfiguration.06 - Patient Care Report Custom Data Element Potential Values

Definition

The values which are associated with the patient care report custom data element. Values would be the choices provided to the user when they document the custom data element.

National Element		Yes	Pertinent Negatives (PN)	No	
State Element		Yes	NOT Values	No	
Version 2 Elemer	nt		Is Nillable	No	
Usage		Optional	Recurrence	0 : M	
Attributes					
nemsisCode Data Type: anySimpleType whiteSpace: preserve customValueDescription Data Type: anySimpleType whiteSpace: preserve					
Constraints	Constraints				
Data Type minLength maxLength string 1 100					
Data Element Comment					
Used to populate eCustomConfiguration.06 Custom Data Element Potential Values.					
Version 3 Change	es Impleme	nted			
Added to allow cust	omized data	elements to be inserted and	d collected from within the NEMSIS	Version 3 standard.	
Associated Valida	ation Rules				
Rule ID Lev	vel Mes	sage			
nemSch_s011 <mark>Err</mark>		ent Care Report Custom Da ld not be listed more than o	ata Element Potential Values should once).	d be unique (the same value	
nemSch s012 Err	or The	Custom Value Description	for Patient Care Report Custom Da	ita Element Potential Values	

should be unique (the same description should not be listed more than once).

National

seCustomConfiguration.07 - Patient Care Report Custom Data Element Potential NOT Values (NV)

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NOT Values (NV) associated with the patient care report custom data element.

National Element	Yes	Pertinent Negatives (PN)	No	
State Element	Yes	NOT Values	No	
Version 2 Element		Is Nillable	No	
Usage	Optional	Recurrence	0 : M	
Code List				
CodeDescription7701001Not Applicable7701003Not Recorded7701005Not Reporting				
Data Element Comment				
Used to populate eCustomConfig	guration.07 Custom Data	a Element Potential NOT Values (NV).		
Associated Validation Rules				

Message

Rule ID Level

nemSch_s013 Error

Patient Care Report Custom Data Element Potential NOT Values (NV) should be unique (the same value should not be listed more than once).

National

seCustomConfiguration.08 - Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN)

Definition

Pertinent Negative Values (PN) associated with the patient care report custom data element.

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

Code List

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

Data Element Comment

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

Associated Validation Rules

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).

National

seCustomConfiguration.09 - Patient Care Report Custom Data Element Grouping ID

Definition

ID for patient care report custom data element grouping.

Data Type string	minLength 2		maxLength 255	
Constraints				
Usage		Optional	Recurrence	0:1
Version 2 Element			Is Nillable	No
State Element		Yes	NOT Values	No
National Elem	ent	Yes	Pertinent Negatives (PN)	No

Data Element Comment

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

sdCustomConfiguratio n

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 = UUI
	I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation	on ID
sdCust	omConfiguration	
D:M SdC	ustomConfiguration.CustomGroup	l
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
sdCust	comConfiguration	
A :	ed Validation Rules	

Rule ID Level Message

nemSch_s005 Error The

The Custom Element ID for each Agency Demographic Custom Data Element should be unique (the same ID should not be used more than once).

sdCustomConfiguration.01

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 Elem	ent	Yes	Pertinent Negatives (PN)	No	
State Element	t	Yes	NOT Values	No	
Version 2 Element			Is Nillable	No	
Usage		Mandatory	Recurrence	1:1	
Attributes	Attributes				
nemsisElemen Data Type: any	-	Space: preserve			
Constraints					
Data TypeminLengthmaxLengthstring2100					
Data Element	Comment				
Used to populate	e dCustomConfig	uration.01 Custom Data	Element Title.		
Version 3 Cha	anges Implemer	nted			

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

National

State

sdCustomConfiguration.02 - Agency Demographic Custom Definition

Definition

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

Constraints Data Type	minLength		maxLength	
Usage		Mandatory	Recurrence	1 : 1
Version 2 Eler	ment		Is Nillable	No
State Element		Yes	NOT Values	No
National Elem	ent	Yes	Pertinent Negatives (PN)	No

Data Element Comment

Used to populate dCustomConfigration.02 Custom Definition.

National

sdCustomConfiguration.03 - Agency Demographic Custom Data Type

Definition

The data type of the agency demographic custom element.

National Element	Yes	Pertinent Negatives (PN)	No		
State Element	Yes	NOT Values	No		
Version 2 Element		Is Nillable	No		
Usage	Mandatory	Recurrence	1 : 1		
Code List					
Code Description 9902001 Binary 9902003 Date/Time 9902005 Integer/Number 9902007 Other 9902009 Text/String 9902011 Boolean					
Data Element Comment					

Used to populate dCustomConfiguration.03 Custom Data Type.

sdCustomConfiguration.04

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				
CodeDescription9923001No9923003Yes				
Data Element Comment				

Used to populate dCustomConfiguration.04 Custom Data Element Recurrence.

Version 3 Changes Implemented

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

National

sdCustomConfiguration.05 - Agency Demographic Custom Data Element Usage

Definition

The Usage (Mandatory, Required, Recommended, or Optional) for the agency demographic custom data element.

Yes	Pertinent Negatives (PN)	No
Yes	NOT Values	No
	Is Nillable	No
Mandatory	Recurrence	1:1
	Yes	Yes NOT Values Is Nillable

Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

Data Element Comment

Mandatory = Must be completed and will not accept null values. Required = Must be completed but will accept null values. Recommended = Not required but if collected will accept null values. Optional = Not required but if collected, it cannot be a null value.

Used to populate dCustomConfiguration.05 Custom Data Element Usage.

Version 3 Changes Implemented

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

National

sdCustomConfiguration.06 - Agency Demographic Custom Data Element Potential Values

Definition

The values which are associated with the agency demographic custom data element. Values would be the choices provided to the user when they document the custom data element.

National Eleme	ent	Yes	Pertinent Negatives (PN)	No	
State Element		Yes	NOT Values	No	
Version 2 Elem	ent		Is Nillable	No	
Usage		Optional	Recurrence	0 : M	
Attributes					
customValueDe	nemsisCode Data Type: anySimpleType whiteSpace: preserve customValueDescription Data Type: anySimpleType whiteSpace: preserve				
Constraints					
Data TypeminLengthmaxLengthstring1100					
Data Element C	Data Element Comment				
Used to populate dCustomConfiguration.06 Custom Data Element Potential Values.					
Version 3 Char	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 L	_evel Mes	sage			
nemSch_s006 <mark>E</mark>	nemSch_s006 Error Agency Demographic Custom Data Element Potential Values should be unique (the same value should not be listed more than once).			uld be unique (the same value	
nemSch_s007	rror The	Custom Value Description	for Agency Demographic Custom I	Data Element Potential Values	

should be unique (the same description should not be listed more than once).

National

sdCustomConfiguration.07 - Agency Demographic Custom Data Element Potential NOT Values (NV)

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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				
CodeDescription7701001Not Applicable7701003Not Recorded7701005Not Reporting				
Data Element Comment Used to populate dCustomConfig	uration.07 Custom Data E	Element Potential NOT Values (NV).		
Associated Validation Rules				
Rule ID Level Mess	Rule ID Level Message			

nemSch_s008 Error

Agency Demographic Custom Data Element Potential NOT Values (NV) should be unique (the same value should not be listed more than once).

National

sdCustomConfiguration.08 - Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN)

Definition

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

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

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID Level Message

nemSch_s009 Error

Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) should be unique (the same value should not be listed more than once).

National

sdCustomConfiguration.09 - Agency Demographic Custom Data Element Grouping ID

Definition

ID for agency demographic custom element grouping.

5,	5 1	5	1 0	
National Elem	ent	Yes	Pertinent Negatives (PN)	No
State Element	t	Yes	NOT Values	No
Version 2 Eler	ment		Is Nillable	No
Usage		Optional	Recurrence	0:1
Constraints				
Data TypeminLengthmaxLengthstring2255				
Data Element Commont				

Data Element Comment

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



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

sSoftware.01

State

National

sSoftware.01 - Software Creator

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:1
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded 7701005 - N	lot Reporting
Constraints			
Data TypeminLestring1	ngth ma 50	axLength	
Data Element Comment			
Associated Validation Rul	es		
Rule ID Level N	essage		
	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).		
	When Software Creator has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.		

sSoftware.02

National

sSoftware.02 - Software Name

Definition							
The name of the	ne applica	ation used f	to create this sta	te data set record.			
National Element			Yes	Pertinent Negatives	(PN)	No	
State Element			Yes	NOT Values		Yes	
Version 2 Elem	nent			Is Nillable		Yes	
Usage			Required	Recurrence		1:1	
Attributes							
	NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded7701005 - Not Reporting						
Constraints	Constraints						
Data Type string	minL 1	ength maxLength 50					
Data Element (Data Element Comment						
Associated Val	lidation R	ules					
Rule ID I	Level	Message					
				, it should have a Not Val e element), or it should be			
		When Softw should be e		ot Value (Not Applicable,	Not Recorde	d, or Not Reporting), it	

sSoftware.03

National

sSoftware.03 - Software Version

Definition					
The version	of the app	lication use	ed to create this	state data set record.	
National Element Yes		Yes	Pertinent Negatives (I	PN) No	
State Eleme	nt		Yes	NOT Values	Yes
Version 2 Ele	ement			Is Nillable	Yes
Usage			Required	Recurrence	1:1
Attributes					
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded7701005 - Not Reporting					
Constraints					
Data Type string	min 1	Length	ength maxLength 50		
Data Elemer	t Commer	nt			
Associated V	alidation F	Rules			
Rule ID	Level	Message			
nemSch_s00	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).				
		When Sof		a Not Value (Not Applicable, I	Not Recorded, or Not Reporting), it

sElement

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

sElement.01

National

sElement.01 - State Collected Element

Definition The data elements that the state collects or requires. National Element Yes Pertinent Negatives (PN) No Yes **NOT Values** Yes State Element Version 2 Element Is Nillable Yes 1 : M Recurrence Usage Required Attributes NOT Values (NV) 7701001 - Not Applicable 7701003 - Not Recorded Constraints Data Type minLength maxLength string 100 1 **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_s00	1 <mark>Error</mark>	When State Collected Element is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	2 <mark>Error</mark>	When State Collected Element has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s00	3 <mark>Warning</mark>	When State Collected Element has a Not Value, no other value should be recorded.
nemSch_s01	5 <mark>Warning</mark>	State Collected Element should be unique (the same element should not be listed more than once).

sConfiguration

Legend Dataset Level: National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Correlation ID, and/or U = UU I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID
sConfiguration
1 : M SConfiguration.01 - State Certification/Licensure Levels
1: M SConfiguration.ProcedureGroup
1:1 SConfiguration.02 - EMS Certification Levels Permitted to Perform Each Procedure NSRN, L
1: M SConfiguration.03 - Procedures Permitted by the State 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. L
1 : M SConfiguration.06 - Protocols Permitted by the State
sConfiguration

National

sConfiguration.01 - State Certification/Licensure Levels

Definition

The levels of certification/licensure for EMS personnel recognized by the state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917002	Emergency Medical Technician - Intermediate
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

Used to populate EMS-related values in the following data elements (some data elements contain additional non-EMS-related values, such as "Student" or "Patient" that should be allowed unless specifically instructed otherwise by the state): dAgency.11 Level of Service dConfiguration.06 EMS Certification Levels Permitted to Perform Each Procedure dConfiguration.08 EMS Certification Levels Permitted to Administer Each Medication dVehicle.05 Crew State Certification/Licensure Levels dPersonnel.24 EMS Personnel's State EMS Certification Licensure Level dPersonnel.38 EMS Personnel's Practice Level

ePayment.42 Specialty Care Transport Care Provider

Associated Validation Rules

Rule ID L	_evel	Message
nemSch_s001 <mark>E</mark>	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 <mark>E</mark>	Error	When State Certification/Licensure Levels has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s003 V	<u> Warning</u>	When State Certification/Licensure Levels has a Not Value, no other value should be recorded.
nemSch_s016 V	<u> Warning</u>	State Certification/Licensure Levels should be unique (the same level should not be listed more than once).
nemSch_s017 V	<u> Warning</u>	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s020 V	Warning	EMS Certification Levels Permitted to Administer Each Medication should be on the list of State Certification/Licensure Levels.

sConfiguration.02

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 Me			-
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke	Trauma
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Red	corded	
Code List			
Code Description 9917001 Advanced Emergency Medical Technician (AEMT) 9917002 Emergency Medical Technician - Intermediate 9917003 Emergency Medical Responder (EMR) 9917005 Emergency Medical Technician (EMT) 9917007 Paramedic 9917019 Physician 9917021 Critical Care Paramedic 9917023 Community Paramedicine 9917025 Nurse Practitioner 9917027 Physician Assistant 9917029 Licensed Practical Nurse (LPN) 9917031 Registered Nurse			

Data Element Comment

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

Associated Validation Rules

Rule ID Le	evel	Message
nemSch_s001 En	rror	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 En	rror	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 <mark>Wa</mark>	<mark>arning</mark>	EMS Certification Levels Permitted to Perform Each Procedure should be on the list of State Certification/Licensure Levels.
nemSch_s018 Wa	arning/	EMS Certification Levels Permitted to Perform Each Procedure should be unique (the same level should not be listed more than once).

National

sConfiguration.03 - Procedures Permitted by the State

Definition				
Procedures permitted by t	he state for the certification	on/licensure level listed in sCo	nfiguration.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 M	leasure Initiatives			
Airway Cardiac Arrest	Pediatric Response	STEMI Stroke Trauma	3	
Attributes				
NOT Values (NV) 7701001 - Not Applicable				
Constraints				
Data Element Comment				
Used to populate dConfiguration	on.07 EMS Agency Procedure	es.		
Associated Validation Rule	es			
Rule ID Level M	essage			
N		the State is empty, it should have a g, if allowed for the element), or it should be a state of the element.		
	hen Procedures Permitted by eporting), it should be empty.	/ the State has a Not Value (Not Ap	plicable, Not Recorded, or Not	

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).

sConfiguration.04

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 **NOT Values** Yes State Element Yes Is Nillable Yes Version 2 Element D04 07 1:1 Usage Required Recurrence 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) Paramedic 9917007 9917019 Physician Critical Care Paramedic 9917021 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_s00 ⁴	1 <mark>Error</mark>	When EMS Certification Levels Permitted to Administer Each Medication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s002	2 <mark>Error</mark>	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) <mark>Warning</mark>	EMS Certification Levels Permitted to Administer Each Medication should be on the list of State Certification/Licensure Levels.
nemSch_s027	1 Warning	EMS Certification Levels Permitted to Administer Each Medication should be unique (the same level should not be listed more than once).

National

sConfiguration.05 - Medications Permitted by the State

Definition Medications permitted by the state for the certification/licensure level listed in sConfiguration.04. Pertinent Negatives (PN) National Element Yes No Yes **NOT Values** State Element Yes Is Nillable Yes Version 2 Element 1:M Usage Required Recurrence 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 g **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: <u>http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html</u> 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 <mark>Warnin</mark>	g When Medications Permitted by the State has a Not Value, no other value should be recorded.

nemSch_s022 Warning	Medications Permitted by the State should be unique (the same medication should not be listed more than once for a particular level).
nemSch_s023 Error	Medications Permitted by the State should be a code of between 2 and 7 digits when Code Type is "RxNorm".
nemSch_s024 Error	Medications Permitted by the State should be a SNOMED code specifically allowed in the data dictionary when Code Type is "SNOMED".
nemSch_s025 Error	Medications Permitted by the State should be an RxNorm code of between 2 and 7 digits or a SNOMED code specifically allowed in the data dictionary.

National

sConfiguration.06 - Protocols Permitted by the State

Definition

Protocols permitted by the state.

Protocol	s permitted by the s	tate.					
National	Element	Y	es	Pertinent	Negatives	(PN)	No
State Element		Yes		NOT Valu	NOT Values		Yes
Version 2 Element				Is Nillable			Yes
Usage Required			uired	Recurrent	ce		1 : M
Associat	ed Performance Me	asure Initiat	tives				
Airway		Pediatric	Response	STEMI	Stroke	Trauma	
Attributes	8						
NOT Valu							
	- Not Applicable	7701	003 - Not Re	corded			
Code Lis	t						
9914001 9914003 9914005 9914007 9914009 9914011 9914013 9914015 9914017 9914021 9914023 9914025 9914025 9914027 9914029 9914033 9914035 9914043 9914043 9914045 9914045 9914055 9914055 9914057 9914059 9914061	Airway Airway-Failed Airway-Obstruction/Fo Airway-Rapid Sequer Airway-Rapid Sequer Airway-Sedation Assi Cardiac Arrest-Asysto Cardiac Arrest-Pulsel Cardiac Arrest-Pulsel Cardiac Arrest-Pulsel Cardiac Arrest-Ventric Cardiac Arrest-Post F Environmental-Altitud Environmental-Altitud Environmental-Frostb Environmental-Heat S Environmental-Heat S E	nce Induction sted (Non-Pa ble hermia-Thera ess Electrical cular Fibrillatio Resuscitation le Sickness Exposure ite/Cold Injury Exposure/Exh Stroke/Hyperth hermia alation Irritants for Eye Blast Injury nts Agents vatient Restrai	ralytic) peutic Activity on/ Pulseless Care austion hermia		achycardia		
9914063 9914065	General-Individualized Patient Protocol General-Indwelling Medical Devices/Equipment						
9914067	General-IV Access						
9914069	General-Medical Dev	ice Malfunctio	n				
9914071	General-Pain Control						
9914073	General-Spinal Immo						
9914075	General-Universal Patient Care/ Initial Patient Contact						
9914077 9914079							
9914079 9914081	Injury-Bites and Enve						
	Injury-Bleeding/Hem						

9914083 Injury-Bleeding/ Hemorrhage Control

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

9914223Medical-Respiratory Distress-Croup9914225Medical-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 <mark>Warni</mark> i	g When Protocols Permitted by the State has a Not Value, no other value should be recorded.
nemSch_s026 Warnii	g Protocols Permitted by the State should be unique (the same protocol should not be listed more than once).



Legend	Dataset Level: National S State D Deprecated				
	Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional				
	Attributes: $N = Not Values$, $P = Pertinent Negatives$, $L = Nillable$, $C = Correlation ID$, and/or $U = UUID$ I = Custom Element ID, T = Time Stamp, G = Procedure Group Correlation ID				
sAgen	су				
0:M SAG	encyGroup				
0:1	sAgency.01 - EMS Agency Unique State ID N S E N, L				
0:1	SAgency.02 - EMS Agency Number				
0:1	sAgency.03 - EMS Agency Name N S E N, L				
sAgen	CV				

sAgency.01

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	a
Attributes			
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not R	ecorded 7701005 - N	lot Reporting
Constraints			
Data Type minLe string 1	ength n 5	n axLength 0	
string 1 Data Element Comment		0	
string 1 Data Element Comment	5 1 EMS Agency Unique State I	0	
string1Data Element CommentUsed to populate dAgency.0Associated Validation Ru	5 1 EMS Agency Unique State I	0	
string1Data Element CommentUsed to populate dAgency.0Associated Validation RuRule IDLevelnemSch_s001Error	5 1 EMS Agency Unique State I les Message When EMS Agency Unique St	0	

nemSch_s027 Warning EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

sAgency.02

National

sAgency.02 - EMS Agency Number

Definition				
The state-assigned provider	number of the EMS ag	gency.		
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 Mea	asure Initiatives	-		
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma				
Attributes				
NOT Values (NV) 7701001 - Not Applicable	7701003 - Not Re	corded 7701005 - 1	Not Reporting	
Constraints				
Data TypeminLengthstring1	h m 15	axLength		
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

Associated	valuation	Tules
Rule ID	Level	Message
nemSch_s00	01 <mark>Error</mark>	When EMS Agency Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	02 <mark>Error</mark>	When EMS Agency Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s02	27 <mark>Warning</mark>	EMS Agency Unique State ID and EMS Agency Number should be a unique combination for each EMS agency.

sAgency.03

National

sAgency.03 - EMS Agency Name

Definition				
The formal na	me of the EMS	agency.		
National Eleme	ent	Yes	Pertinent Negatives (PN)	No
State Element		Yes	NOT Values	Yes
Version 2 Elen	nent	D01_02	Is Nillable	Yes
Usage		Recommended	Recurrence	0:1
		asure Initiatives Pediatric Response	STEMI Stroke Traur	na
Attributes NOT Values (N) 7701001 - Not A		7701003 - Not Re	corded 7701005 -	Not Reporting
Constraints				
Data Type string	minLength 2	n ma 10	axLength 0	
Data Element	Comment			

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_s00	1 Error	When EMS Agency Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00	2 <mark>Error</mark>	When EMS Agency Name has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.



Legen	Dataset Level: National S State D Deprecated	
	Usage: $\prod M$ = Mandatory, R = Required, E = Recommended, or O = Optic	
	Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, C = Corre	
	I = Custom Element ID, T = Time Stamp, G = Procedure Group C	Correlation ID
sFaci	ity	
D:M SF	acilityGroup	
0:	sFacility.01 - Type of Facility	N S E N, L
0:	sFacility.FacilityGroup	
	0 : 1 SFacility.02 - Facility Name	
	0:1 SFacility.03 - Facility Location Code	
	0 : M SFacility.04 - Hospital Designations	N S E N
	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
	0 : 1 SFacility.10 - Facility ZIP Code	N S E N
	0:1 SFacility.11 - Facility County	N S E N
	0 : 1 SFacility.12 - Facility Country	N S O
	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
sFaci	ity	

Published: 04/03/2025

sFacility.01

National

sFacility.01 - Type of Facility

Definition			
The type of facility (healthca	re or other) that the El	MS 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 Re	ecorded 7701005 - 1	Not Reporting
Code List			
CodeDescription1701001Assisted Living Facility1701003Clinic1701005Hospital1701007Nursing Home1701009Other1701010Urgent Care1701011Urgent Care1701013Physical Rehabilitation Facility1701015Mental Health Facility1701017Dialysis Center1701019Diagnostic Services1701021Freestanding Emergency Department1701023Morgue/Mortuary1701025Police/Jail1701027Other EMS Responder (air)1701030Other RMS Responder (ground)1701031Other Recurring Care Center1701033Drug and/or Alcohol Rehabilitation Facility1701034Skilled Nursing Facility			

Data Element Comment

Used to populate dFacility.01 Type of Facility.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s00 ⁻	1 <mark>Error</mark>	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	2 <mark>Error</mark>	When Type of Facility has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s028	8 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

National

sFacility.02 - Facility Name

Definition			
The name of the facility.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D04_11	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1
Attributes			
NOT Values (NV)7701001 - Not Applicable7701003 - Not Recorded7701005 - Not Reporting			lot Reporting
Constraints			
Data TypeminLestring2	ngth m 10	axLength 00	
Data Element Comment			
Used to populate dFacility.02	Facility Name		
Associated Validation Ru	es		
Rule ID Level M	lessage		
		it should have a Not Value (Not App ement), or it should be omitted (if the	
	Vhen Facility Name has a Not e empty.	Value (Not Applicable, Not Recorde	ed, or Not Reporting), it should

sFacility.03

National

sFacility.03 - Facility Location Code

Definition				
The code of th	e facility a	s assigned by the state.		
National Element		Yes	Pertinent Negatives (PN)	No
State Element		Yes	NOT Values	Yes
Version 2 Elem	nent	D04_12	Is Nillable	Yes
Usage		Recommended	Recurrence	0:1
Attributes				
NOT Values (NV 7701001 - Not Ap		7701003 - Not R	ecorded 7701005 -	Not Reporting
Constraints				
Data Type string	minLe 2	-	naxLength 50	
Data Element (Comment			
Used to populate	edFacility.03	Facility Location Code.		
Associated Val	lidation Ru	les		
Rule ID	Level I	Vessage		
nemSch_s001	1		is empty, it should have a Not Value f allowed for the element), or it shou	
nemSch_s002		When Facility Location Code t should be empty.	has a Not Value (Not Applicable, No	ot Recorded, or Not Reporting),
nomSch c028	Morning	Even of Equility Equility Loop	tion Code, Epoility Street Address, E	colling City and Ecolling State

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.04

National

sFacility.04 - Hospital Designations

Definition				
The designation(s) associat	ed with the hospital (e.	g. Trauma, STEMI, Peds, e	tc).	
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)	7704000 N (D		- Net Departing	
7701001 - Not Applicable	7701003 - Not Re	ecorded 770100	5 - Not Reporting	
Code List				
9908003Burn Center9908005Critical Access Hosp9908007Hospital (General)9908009Neonatal Center9908011Pediatric Center9908013Rehab Center9908023Trauma Center Leve9908025Trauma Center Leve9908027Trauma Center Leve9908029Trauma Center Leve9908029Trauma Center Leve9908031Cardiac-STEMI/PCI 19908035Cardiac-STEMI/PCI 19908037Stroke-Acute Stroke9908039Stroke-Primary Strok9908041Stroke-Thrombector	 Burn Center Critical Access Hospital Hospital (General) Neonatal Center Pediatric Center Rehab Center Trauma Center Level 1 Trauma Center Level 2 Trauma Center Level 3 Trauma Center Level 3 Trauma Center Level 4 Trauma Center Level 5 Cardiac-STEMI/PCI Capable Cardiac-STEMI/PCI Capable (24/7) Cardiac-STEMI/Non-PCI Capable Stroke-Acute Stroke Ready Hospital (ASRH) Stroke-Thrombectomy-Capable Stroke Center (TSC) Stroke-Comprehensive Stroke Center (CSC) 			

Data Element Comment

Used to populate dFacility.04 Hospital Designations.

Associated Validation Rules

Rule ID	Level	Message
nemSch_s00	01 <mark>Error</mark>	When Hospital Designations is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).
nemSch_s00)2 <mark>Error</mark>	When Hospital Designations has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_s00)3 <mark>Warning</mark>	When Hospital Designations has a Not Value, no other value should be recorded.
nemSch_s02	29 Warning	Hospital Designations should be unique (the same designation should not be listed more than once).

sFacility.05

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 Rule	S				
Rule ID Level Message					

nemSch_s030 Warning Facility National Provider Identifier should be unique (the same identifier should not be listed more than once).

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				
		maxLength 15		
Data Element Comment				

Used to populate dFacility.06 Facility Room, Suite, or Apartment.

sFacility.07

National

sFacility.07 - Facility Street Address

Definition					
The street address wh	ere the facility is located				
National Element Yes		Pertinent Negatives (PN)	No		
State Element	Yes	NOT Values	No		
Version 2 Element		Is Nillable	No		
Usage	Optional	Recurrence	0:1		
Attributes					
StreetAddress2 Data Type: string minLength: 1 maxLength: 255					
Constraints					
Data TypeminLengthmaxLengthstring1255					
Data Element Commer	nt				
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.					

sFacility.08

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_s02	8 <mark>Warning</mark>	Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State should be a unique combination for each facility.			

sFacility.09

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 Re	corded 7701005 - I	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_s00	1 Error	When Facility State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element), or it should be omitted (if the element is optional).		
nemSch_s00	2 <mark>Error</mark>	When Facility State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.		
nemSch_s02	8 <mark>Warning</mark>	Type of Facility, Facility Location Code, Facility Street Address, Facility City, and Facility State should be a unique combination for each facility.		
nemSch_s03	1 Warning	Facility County should belong within the Facility 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 Applicable7701003 - Not Recorded7701005 - Not Reporting					
Constraints					

Pattern

Data Element Comment

ZIP Codes Product Website: <u>https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/</u> 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_s00	1 <mark>Error</mark>	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_s00	2 <mark>Error</mark>	When Facility ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.		

National

sFacility.11 - Facility County

Definition The county where the facility is located. National Element Pertinent Negatives (PN) No Yes Yes **NOT** Values State Element Yes Is Nillable Yes Version 2 Element 0:1 Recurrence Usage Recommended 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 Va	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.			

sFacility.12

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				
CodeDescriptionCACanadaMXMexicoUSUnited 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

National

sFacility.13 - Facility GPS Location

Definition

The facility GPS Coordinates.

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

Constraints

Pattern

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

Data Element Comment

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

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

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

Used to populated dFacility.13 Facility GPS Location.

sFacility.14

State

National

sFacility.14 - Facility US National Grid Coordinates

Definition

The facility US National Grid Coordinates.

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

Constraints

Pattern

([1-9]|[1-5][0-9]|60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{8}

Data Element Comment

Standard found at http://www.fgdc.gov/usng.

Used to populate dFacility.14 Facility US National Grid Coordinates.

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 9913007 - Pager	9913003 - Home 9913009 - Work	9913005 - I	Mobile
Constraints			
Pattern			

Pattern

[2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][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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