Virginia Pre-Hospital Information Bridge™

Data Dictionary

The EMS Minimum Dataset and Quality Standards of the Commonwealth of Virginia

Version 3.0.6

July 1, 2013

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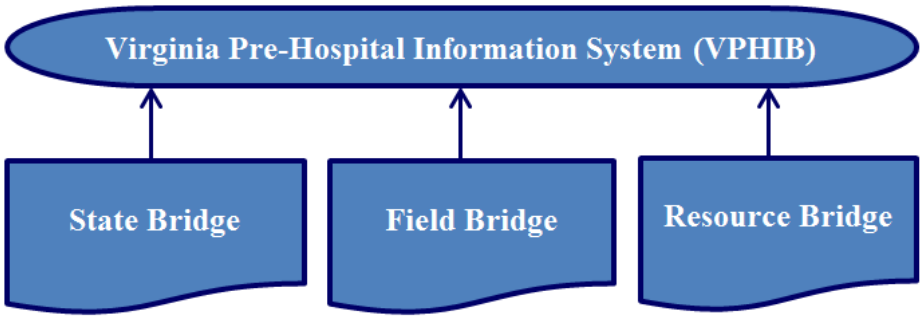
Purpose of This Document

The Virginia VPHIB Version 3 Data Dictionary (VAv3) provides a detailed list of Virginia's **minimum** EMS dataset and quality requirements. The minimum dataset was officially adopted on (DRAFT COPY ONLY) by the State Board of Health as required. EMS data submission is mandated by the Code of Virginia § 32.1-116.1 and EMS regulations 12VAC5-31-560. All of the elements contained in this document are required to be submitted by all licensed Virginia EMS Agencies. All EMS responses are required to be submitted to OEMS within 30 days in the format prescribed by the OEMS. There are no exceptions to the minimum dataset made for any third party vendor software.

Agencies may submit above and beyond this minimum dataset if they desired to collect further information on an agency, locality, or regional level. VPHIB will collect All NEMSIS v3 data elements and "user defined elements." User defined elements are those developed on the individual agency level. Pre-approval is not necessary.

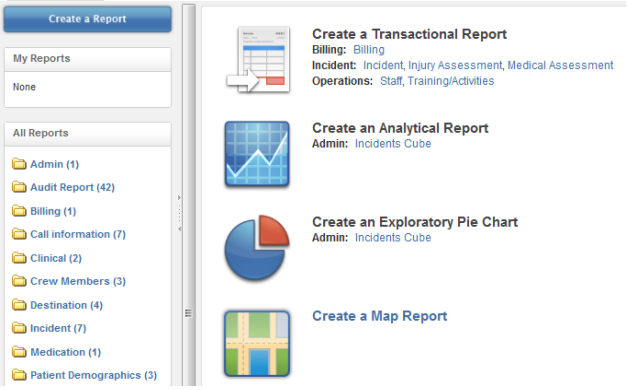
EMS data is collected by the OEMS and is the called the Virginia Pre-Hospital Information Bridge or VPHIB. VPHIB is made up of a Web-based interface called State Bridge and a client based electronic medical record software called Field Bridge. Figure 1 demonstrates the VPHIB system.

Figure 1



The VPHIB system includes a data reporting tool called "Report Writer 2 (RW2)." Each EMS agency can access its own data via RW2. RW2 includes four different ways for an agency to access its own data including "Create a Transactional Report" for ad-hoc reporting, "Create an Analytical Report" which is a data cube, "Create an Exploratory Pie Chart" for a more visual data cube, and "Create a Map Report" which utilizes geographical information style map reports. Figure 2 shows the RW2 interface.

Figure 2



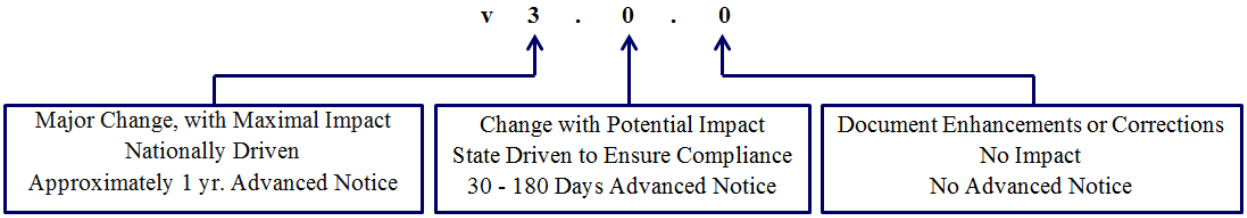
As the data owner, each EMS agency has many options available to analyze, report, and share its data. The leadership of each EMS agency has control over who may access its data. Within each agency they may determine which staff/members have access to RW2 and what reports they can access. They also have the ability to share data outside the agency in a variety of formats that can meet the needs of novice data users to the most sophisticated users. RW2 provides agencies with a means to perform performance improvement, data reporting, and data analysis within its agency, EMS system, or whomever they deem appropriate.

Figure 3

Reason for Revision(s)

VAv3 was produced to allow Virginia to remain current with the National EMS Information System (NEMSIS) version 3 Data Dictionary. To improve communication and better track historical changes to the data dictionary OEMS will begin utilizing a versioning process when updating the VAv3 data dictionary. The version number will use a three digit description of the version of the data dictionary. Figure 4 provides a description of how the version numbers will be utilized.

Figure 4



Note: All notices will be sent via e-mail to the primary contact as provided by each agency as part of the minimum dataset and others who elect to be notified via the VPHIB list serve. OEMS is not responsible for notice beyond this primary e-mail contact.

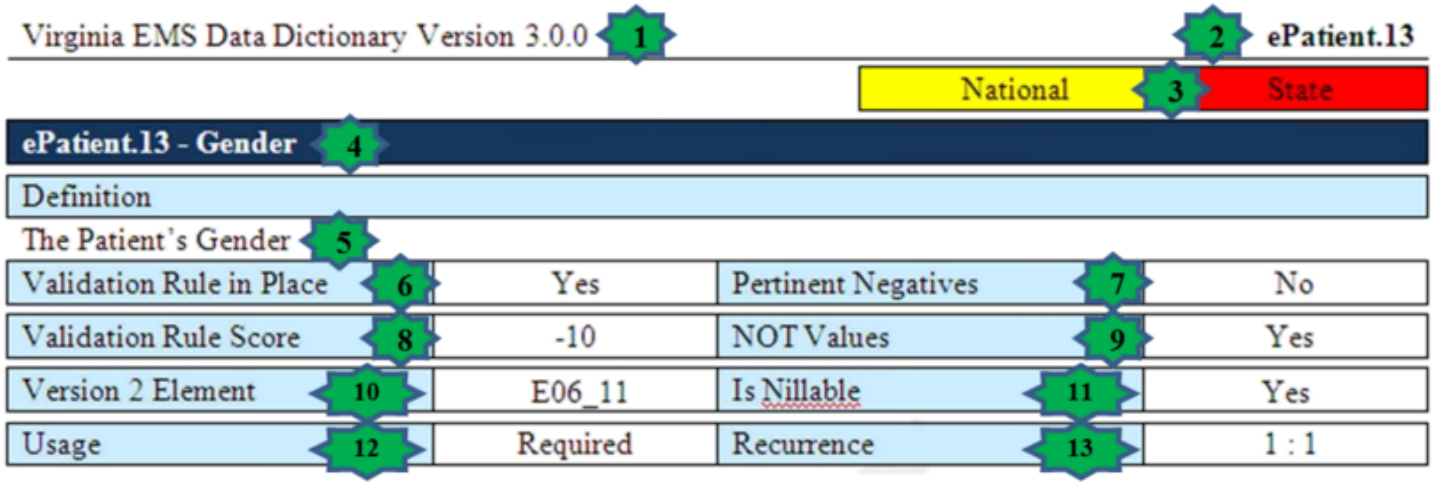
Acknowledgement

The National EMS Information System Technical Center is responsible for the development and maintenance of the NEMSIS dataset of which Virginia EMS dataset is "based." This document is Commonwealth of Virginia specific and is the product of the VDH/OEMS and not NEMSIS or VDH/OEMS' vendor of contract which is currently ImageTrend Inc.

How to Use This Document

Using the below as an example, Figure 5 provides a description of each section of the data element tables on each page.

Figure 5



1) This is the version of the document. As demonstrated above and shown in Figure 4, OEMS will more aggressively attempt to maintain a more precise data dictionary that will clearly show agencies which is the most up to date information available.
2) Data element number as assigned by the NEMSIS TAC.
3) Identifies the element as a State element or a State and National element. This is informational only to provide users with an understanding of what elements OEMS will be sending to the National EMS Database.
4) The data element number and name.
5) The data element definition, which is a brief description of the information being collected in the element.
6) Identifies when there is a data validation rule in place. Validation rules provide further guidance on how to report the data element and provide a tool to the OEMS, agencies, and users know if the required level if quality is being met when reporting this element.
7) Pertinent negatives identify whether or not a response such as "refused" or "unable to complete" is accepted.
8) Validation Rule Score provides users with the scoring weight of a validation rule. The validation tool tracks data quality and assigns a score for each element not reported correctly. The maximum score is 100% and the tool will not show a score less than 0%. This score is also utilized by the OEMS to identify and assure data quality compliance.

9) Not values, using a Yes or No, demonstrate whether a data element can be answer with a not value such as “not reporting” or “not recorded.”
10) Item 10 identifies the version 2 data element equivalent, if any, that the data element has.
11) Is Nillable shows whether the data element can be submitted blank or with no response at all.
12) Usage: ALL data elements listed in this data dictionary shall be submitted. The Usage box identifies a technical specification only; it defines whether a record can still be submitted when it violates a validation rule. If an element is identified as “mandatory” and it does not meet the validation rule it will cause the record to not upload and the record will need to be fixed and resubmitted. When an element is marked as “required” and it violates a validity rule, the record can be submitted and the validity score deducted. Data element usage is subject to change based on quality issues.

    Elements in which there is demonstrated statistically significant poor data quality compliance are subject to be moved from a “required” status to a “mandatory” status.
13) Recurrence identifies whether no response is allowed, a single response is needed, or multiple responses can be given. For example; gender would be 1:1 because you cannot respond with male and female and only one selection can be chosen. With a list of items such as procedures a 1:M (many) can be given because it is appropriate to apply a cervical collar, back board, and provide Oxygen in a single response to what procedures were provided.

Figure 6

Attributes 14

Not Values

7701003 - Not Recorded 7701001 - Not Applicable

Code List 15

Code List	Description
9906001	Female
9906003	Male
9906005	Unknown (Unable to Determine)

Validation Rule Trigger(s) 16

Rule 1: When eDisposition.12 indicates patient contact and a “not value is reported or is Null.

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Airway Cardiac Arrest Pediatric Response STEMI Stroke | Trauma

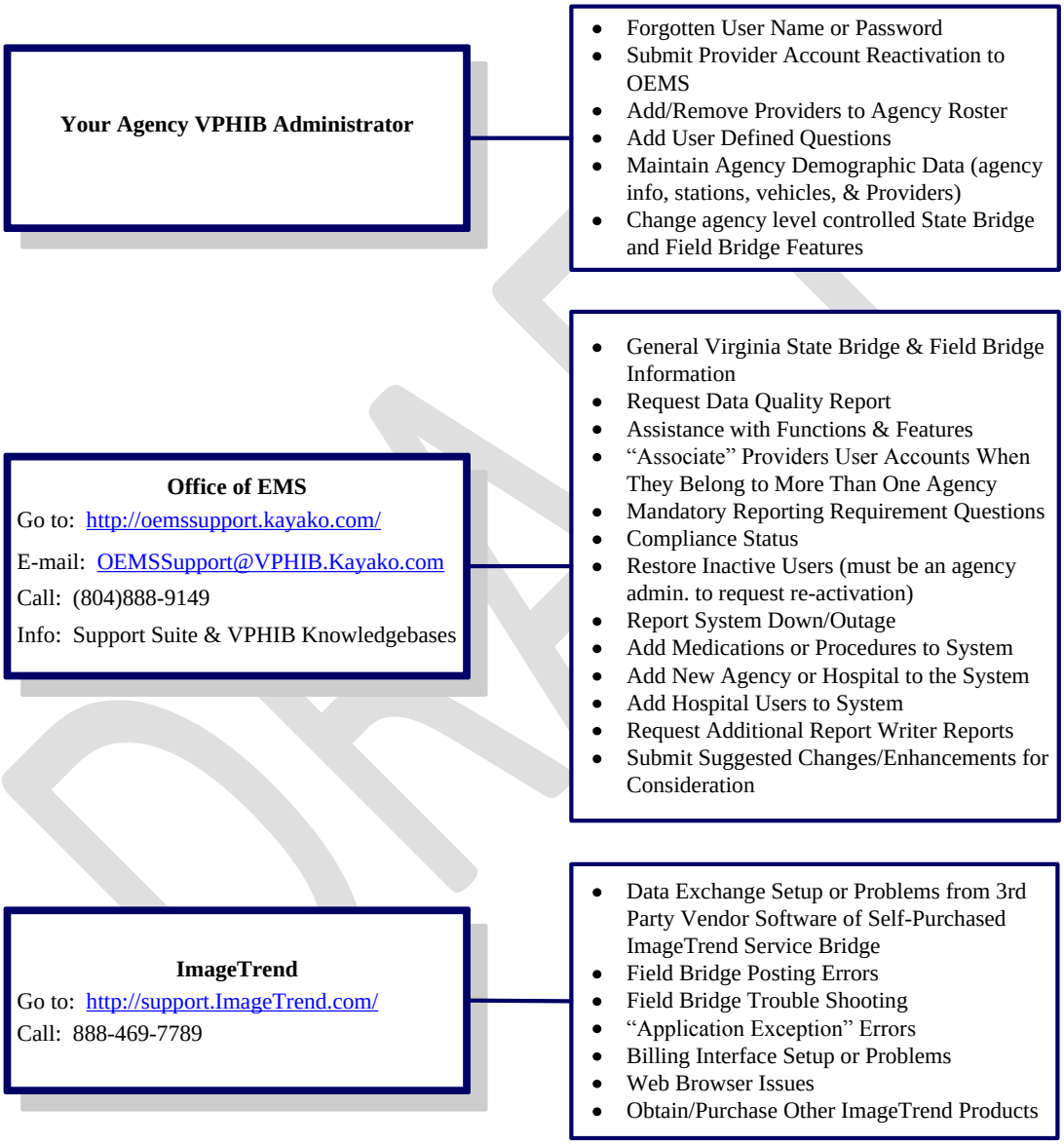
Data Element Comment 18

14) When a Pertinent Negative or a not value is allowed it will be listed in the Attributes section. If an item has been marked with a cross through (i.e. ~~7701003 – Not Recorded~~) it is an indication that the field is not accepted when a file is submitted/Uploaded and is a State level requirement.
15) Code List or Constraints provides a list of accepted values that can be submitted. When titled Constraints, this section will provide the format (date/time, integer, or string) that the element must be submitted in as well as any further technical specifications such as minimum length or maximum length.
16) The Validation Rule Trigger(s) provides a description of the validation rule(s) that is/are in place for the data element.
17) The Purpose of Collection/Associated Performance Measures section provides a basic list of how the elements can be used for reporting.
18) Data Element Comment can be used to further provide guidance and information about the data element from the national and state level.

Support and Training

The VPHIB system includes a wide variety of tools to assist users with finding solutions to problems and provide education and guidance with not only complying with the State requirement to submit data, but also to use optional tools available to all agencies. Web-based live classes, videos, manuals, fact sheets and more can be found in both the VPHIB and VPHIB Support Suite Knowledgebase' s. To help users with contacting the correct support, see Figure 7 below.

Figure 7



Data Element List

National	State

dAgency.02 – EMS Agency Number

Definition

The VDH/OEMS assigned five digit agency number.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Correlation ID

Data Type	minLength	maxLength
String	5	255

Constraints

Data Type	minLength	maxLength
String	5	15

Validation Rule Trigger(s)

Rule 1: Must be five digits with no letters as assigned by OEMS.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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. In Virginia this shall be the 5 digit agency number as assigned by the Virginia Office of EMS.

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State

dAgency.03 - EMS Agency Name

Definition			
The formal name of the agency.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D01_02	Is Nillable	No*
Usage	Mandatory*	Recurrence	1 : 1*

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	100

Validation Rule Trigger(s)

Rule 1: Must be identical to the name used for the agency's OEMS licensure; no abbreviations, no punctuation.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The EMS agency name must be the same name used for licensing by the Virginia Office of EMS. No abbreviated names are accepted.

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National	State

dAgency.04 – EMS Agency State

Definition
The State which assigned the EMS agency number

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_03	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Current Status

A – Active I – Inactive

Current Status Date

Data Type:	minInclusive	maxInclusive
Date time	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}

Constraints

Data Type	Length
String	2

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

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National	State

dAgency.05 – EMS Agency Service Area State

Definition
The state in which the EMS agency provides services including the state associated with the EMS agency number

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Current Status

A – Active I – Inactive

Current Status Date

Data Type:	minInclusive	maxInclusive
Date time	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}

Constraints

Date Type	Length
String	2

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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National	State

dAgency.06 – EMS Agency Service Area County (ies)/City (ies)

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Current Status

A – Active I - Inactive

Current Status Date

Data Type:	minInclusive	maxInclusive
Date time	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}

Correlation ID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	Length
String	5

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

County and city codes are based on ISO/ANSI codes. It is a 5-digit code based on state (2-digit) and county (5-digit). **Note:** Due to Virginia's demographic make-up, Virginia cities are reported via the county data element using their appropriate GNIS code. This is unique to Virginia.

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

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National	State

dAgency.08 – EMS Agency Service Area ZIP Codes

Definition			
The ZIP codes within the EMS agency's normal service area.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Not Values

7701001 – Not Applicable 7701003 – Not Recorded

Current Status

A – Active I – Inactive

Current Status Date

Data Type:	minInclusive	maxInclusive
Date time	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}

Correlation ID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern:

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

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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.

To look up the Zip Codes for your agency's service area see the Zip Code Product Website:
https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA – 5-digit ZIP Code Database, Commercial Edition

DRAFT

National	State

dAgency.09 – Primary Type of Service

Definition

The primary service type provided by the agency.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Medevac/Helicopter EMS (HEMS)
9920007	ALS Intercept
9920009	Critical Care Ground Transport
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfer, and Nursing Home)
9920015	Crash Truck or Other Specialty Rescue
~~9920017~~	~~Community Paramedicine~~

Validation Rule Trigger(s)

Rule: Multiple rules will be associated with the Primary Type of Service.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The primary type of service associated with the EMS agency.

State

dAgency.10 – Other Types of Service

Definition			
The other service type(s) which are provided by the agency.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	D01_06	Is Nillable	No*
Usage	Mandatory*	Recurrence	1 : M*

Attributes

Not Values

7701001 – Not Applicable ~~7701003 – Not Recorded~~ ~~7701005 – Not Reporting~~

Current Active Status

A – Active I – Inactive

Current Status Date

Date Type	minInclusive	maxInclusive
String	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}

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Air Medical
9920007	ALS Intercept
9920009	Critical Care Ground Support
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfer Hospital and Nursing Home)
9920015	Crash Truck or Other Specialty Rescue
9920017	~~Community Paramedicine~~

Validation Rule Trigger(s)

Rule 1: At least one valid response is required. Agencies that only provide the primary service stated in dAgency.09 must enter not applicable.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_07	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
~~9917001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~9917003~~	~~2009 Emergency Medical Responder (EMR)~~
~~9917005~~	~~2009 Emergency Medical Technician~~
~~9917007~~	~~2009 Paramedic~~
9917009	First Responder
9917011	EMT – Basic
9917013	EMT – Intermediate
9917015	EMT – Paramedic
9917017	Nurse
9917019	Physician
9917021	~~Critical Care Paramedic~~
9917023	~~Community Paramedicine~~
9917025	EMT – Enhanced

Validation Rule Trigger(s)

Rules: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up, and others.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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.

National	State

dAgency.12 – Organization Status

Definition			
The primary organizational status of the agency: Volunteer, Non-Volunteer, or mixed.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_09	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
1016001	Mixed
1016003	Non-volunteer
1016005	Volunteer

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

dAgency.13 – Organizational Type

Definition			
The organizational structure from which EMS services are delivered (fire, hospital, county, etc.)			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_08	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

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

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

dAgency.14 – EMS Agency Organizational Tax Status

Definition			
The EMS Agencies business/corporate organizational tax status			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
1018001	For Profit
1018003	Other (i.e. Governmental)
1018005	Not for Profit

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

dAgency.15 – Statistical Calendar Year

Definition

The calendar year to which the information pertains for the EMS Agency and the specific EMS Agency Number (dAgency.02).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_10	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minValue	maxValue
Integer	1900	2050

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02) and elements dAgency.16 through dAgency.22.

DRAFT

National	State

dAgency.19 - EMS Dispatch Volume per Year

Definition

The number of EMS dispatches during the last calendar year.

Validation Rule in Place		Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	D01_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minValue	maxValue
Positive Integer	1	4,000,00

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

dAgency.25 – National Provider Identifier

Definition

The National Provider Identifier associated with National Provider System and used in all standard HIPAA transactions such as electronic claim filing.

Validation Rule in Place		Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	D01_21	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

~~7701003 – Not Recorded~~ 7701001 – Not Applicable

Constraints

Validation Rule Trigger(s)

Rule 1: There must be a valid National Provider Number for all billing agencies.
Rule 2: Non-billing agencies should report 7701001/not applicable.

Purpose of Collection/Associated Performance Measures

Data Element Comment

National Provider Identifiers can be looked up via https://nppes.cms.hhs.gov/NPPES/NPIRegistryHome.do

DRAFT

National	State

dAgency.26 – Fire Department ID Number

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

Validation Rule in Place		Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701003 – Not Recorded 7701001 – Not Applicable

Constraints

Data Type	minLength	maxLength
String	1	20

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

State

dContact.01 – Agency Contact Type

Definition			
The contact type within the EMS agency.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element		Is Nillable	No*
Usage	Mandatory*	Recurrence	~~0~~ : 1*

Attributes

~~**Not Values**~~

~~7701001 – Not Applicable~~ ~~7701003 – Not Recorded~~ ~~7701005 – Not Reporting~~

Code List

Code List	Description
1101001	Administrative Assistant
1101003	EMS Agency Director/Chief/Lead Administrator/CEO
1101005	EMS Assistant Agency Director/Chief/Administrator/CEO
1101007	EMS Assistant Medical Director
1101009	EMS IT/Data Specialist
1101011	EMS Medical Director
1101013	EMS Quality/Performance Improvement Specialist
1101015	EMS Training/Education Specialist
1101017	Other (Not Listed)

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

State

dContact.02 – Agency Contact Last Name

Definition

The last name of the agency's primary contact.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D02_01	Is Nillable	No*
Usage	Mandatory*	Recurrence	~~0~~ : 1*

Attributes

Not Values

~~7701003 – Not Recorded~~ ~~7701001 – Not Applicable~~ ~~7701005 – Not Reporting~~

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

DRAFT

State

dContact.03 – Agency Contact First Name

Definition

The first name of the agency's primary contact.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D02_03	Is Nillable	No*
Usage	Mandatory*	Recurrence	~~0~~ : 1*

Attributes

Not Values

~~7701003 – Not Recorded~~ ~~7701001 – Not Applicable~~ ~~7701005 – Not Reporting~~

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

DRAFT

State

dContact.10 – Agency Contact Phone Number

Definition			
Agency contact phone number.			
Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	D02_08	Is Nillable	Yes
Usage	Required	Recurrence	~~0~~ : 1*

Attributes

Not Values

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Phone Number

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

Correlation ID

Date Type	minLength	maxLength
String	0	255

Constraints

Pattern

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

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dContact.11 – Agency Contact E-mail Address

Definition

The primary e-mail address of the agency contact.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D02_10	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : M

Attributes

Not Values

~~7701001 – Not Applicable~~ ~~7701003 – Not Recorded~~ ~~7701005 – Not Reporting~~

E-mail Address

9904001 – Personal 9904003 – Work

Correlation ID

Date Type	minLength	maxLength
String	1*	255

Constraints

Date Type	minLength	maxLength
String	3	100

Pattern

.+@.+

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

Data Element Comment

DRAFT

National	State

dConfiguration.01 – State Associated with the Certification Levels

Definition

The state associated with the state certification levels.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	Length
String	2

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Associate with the state (dAgency.01 – EMS Agency State)

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

DRAFT

National	State

dConfiguration.02 – State Certification Levels

Definition

All of the potential levels of certification for EMS personnel recognized by the state.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
~~9911001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~9911003~~	~~2009 Emergency Medical Responder (EMR)~~
~~9911005~~	~~2009 Emergency Medical Technician~~
~~9911007~~	~~2009 Paramedic~~
9911009	EMT - Basic
9911011	EMT - Intermediate
9911013	EMT - Paramedic
9911015	First Responder
9911017	Nurse
9911019	Other
9911021	Physician
~~9911023~~	~~Critical Care Paramedic~~
~~9911025~~	~~Community Paramedicine~~
9911027	EMT – Enhanced*

Validation Rule Trigger(s)

Rules: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up and others.

Purpose of Collection/Associated Performance Measures

Data Element Comment

The new 2009 Education Levels have been added. The category EMT-Intermediate includes EMS professionals with an “85” or “99” certification level.

National	State

dConfiguration.05 – Protocols Permitted by the State

Definition
A list of all of the protocols permitted by the State.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element		Is Nillable	No*
Usage	Mandatory	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
9914001	Airway
9914003	Airway - Failed
9914005	Airway – Obstruction/Foreign Body
9914007	Airway – Rapid Sequence Induction (RSI – Paralytic)
9914009	Airway – Sedation Assisted (Non – Paralytic)
9914011	Cardiac Arrest - Asystole
9914013	Cardiac Arrest – Hypothermia - Therapeutic
9914015	Cardiac Arrest – Pulseless Electrical Activity
9914017	Cardiac Arrest – Ventricular Fibrillation/Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest – Post Resuscitation Care
9914021	Environmental – Altitude Sickness
9914023	Environmental – Cold Exposure
9914025	Environmental – Frostbite/Cold Injury
9914027	Environmental – Heat Exposure/Heat Exhaustion
9914029	Environmental – Heat Exposure/Heat Stroke
9914031	Environmental - Hypothermia
9914033	Exposure – Airway/Inhalation Irritants
9914035	Exposure – Biological/Infectious
9914037	Exposure – Blistering Agents
9914039	Exposure – Carbon Monoxide/Smoke Inhalation
9914041	Exposure – Chemicals to Eye(s)
9914043	Exposure - Cyanide
9914045	Exposure – Explosive/Blast Injury
9914047	Exposure – Nerve Agents
9914049	Exposure – Radiologic Agent

9914051	General - Back Pain
9914053	General – Behavioral/Patient Restraint
9914055	General – Cardiac Arrest
9914057	General - Dental
9914059	General – Epistaxis
9914061	General – Fever
9914063	General – Individualized Patient Protocol
9914065	General – Indwelling Medical Device/Equipment
9914067	General – IV Access
9914069	General – Medical Device Malfunction
9914071	General – Pain Control
9914073	General – Spinal Immobilization/Clearance
9914075	General – Universal Patient Care/Initial Patient Contact
9914077	Injury – Amputation
9914079	Injury – Bites and Envenomation - Land
9914081	Injury – Bites and Envenomation – Marine
9914083	Injury – Bleeding/Hemorrhage Control
9914085	Injury – Burns – Thermal
9914087	Injury – Cardiac Arrest
9914089	Injury – Crush Syndrome
9914091	Injury – Diving Emergencies
9914093	Injury – Drowning/Near Drowning
9914095	Injury – Electrical Injuries
9914097	Injury – Extremity
9914099	Injury – Eye
9914101	Injury – Head
9914103	Injury – Impaled Object
9914105	Injury – Multisystem
9914107	Injury – Spinal Cord Injury
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	Medical – Overdose/Poisoning/Toxic Ingestion
9914137	Medical – Pulmonary Edema/CHF
9914139	Medical – Respiratory Distress/Asthma/COPD/Croup/Reactive Airway
9914141	Medical – Seizure
9914143	Medical – ST Elevation Myocardial Infarction (STEMI)
9914145	Medical – Stroke/TIA
9914147	Medical – Supraventricular Tachycardia (including Atrial Fibrillation)

9914149	Medical – Syncope
9914151	Medical – Ventricular Tachycardia with Pulse
9914153	Not Done
9914155	OB/GYN – Childbirth/Labor/Delivery
9914157	OB/GYN – Eclampsia
9914159	OB/GYN – Gynecological Emergencies
9914161	OB/GYN – Pregnancy Related Emergencies
9914163	OB/GYN – Post-partum Hemorrhage
9914165	Other

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This data element should capture all of the protocols permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01).

Agencies needing additional protocols added to the VPHIB system should submit a request via the VPHIB Support Suite to ensure uniform use through the Commonwealth. OEMS will make the final determination of the protocol name.

The list was initially defined by the National Association of State EMS Officials State Medical Directors Council.

DRAFT

National	State

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

Definition

The list of procedures, as listed in dConfiguration.07, that the agency allows each EMS certification level to perform.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Code List

Code List	Description
~~9917001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~9917003~~	~~2009 Emergency Medical Responder (EMR)~~
~~9917005~~	~~2009 Emergency Medical Technician~~
~~9917007~~	~~2009 Paramedic~~
9917009	First Responder
9917011	EMT - Basic
9917013	EMT - Intermediate
9917015	EMT - Paramedic
9917017	Nurse
9917019	Physician
~~9917021~~	~~Critical Care Paramedic~~
~~9917023~~	~~Community Paramedicine~~
9917025	EMT – Enhanced*

Validation Rule Trigger(s)

Rules: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up, and others.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

National	State

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Correlation ID

Data Type	minLength	maxLength
String	0	255

Constraints

N/A

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

See the eProcedures.03_Virginia_Procedures_List_2_1_2012 for the approved list of procedures to choose from. eProcedures.03 is also used for dConfiguration.03. If a procedure is being performed and is not listed, a request should be submitted via the VPHIB Support Suite to request it be added. OEMS will make the final determination of the procedure name and code.

DRAFT

National	State

dConfiguration.08 – EMS Certification Level Permitted to Administer Each Medication

Definition

All EMS certification levels which are permitted to administer the medications listed in dConfiguration.09 (EMS Agency Medications).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_07	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Code List

Code List	Description
~~9917001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~9917003~~	~~2009 Emergency Medical Responder (EMR)~~
~~9917005~~	~~2009 Emergency Medical Technician~~
~~9917007~~	~~2009 Paramedic~~
9917009	First Responder
9917011	EMT - Basic
9917013	EMT - Intermediate
9917015	EMT - Paramedic
9917017	Nurse
9917019	Physician
~~9917021~~	~~Critical Care Paramedic~~
~~9917023~~	~~Community Paramedicine~~
9917025	EMT – Enhanced*

Validation Rule Trigger(s)

Rules: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up, and others.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Using each certification level within the agency, indicate the approved medications allowed utilizing dConfiguration.09. See Virginia list of medications on-line named Procedure_Codes_and_Names_VAv3 (EMS Agency Medications).

National	State

dConfiguration.09 – EMS Agency Medications

Definition			
A list of all medications the agency has implemented and have available for use.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_06	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Correlation ID

Data Type	minLength	maxLength
String	0	255

Constraints

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

See the Virginia list of medications on-line named eMedications_03_Virginia_Medication_Given_List_2_1_12 for a list of medications that can be used for this element.

If a medication is being used and is not listed, a request should be submitted via the VPHIB Support Suite to request it be added. OEMS will make the final determination of the medication name and code.

eMedications.03 is also used for dConfiguration.04 Medications Permitted by the State.

DRAFT

National	State

dConfiguration.10 – EMS Agency Protocols

Definition			
A list of all of the EMS field protocols that the agency has in place and available for use.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	D04_08	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
9914001	Airway
9914003	Airway - Failed
9914005	Airway – Obstruction/Foreign Body
9914007	Airway – Rapid Sequence Induction (RSI – Paralytic)
9914009	Airway – Sedation Assisted (Non – Paralytic)
9914011	Cardiac Arrest - Asystole
9914013	Cardiac Arrest – Hypothermia - Therapeutic
9914015	Cardiac Arrest – Pulseless Electrical Activity
9914017	Cardiac Arrest – Ventricular Fibrillation/Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest – Post Resuscitation Care
9914021	Environmental – Altitude Sickness
9914023	Environmental – Cold Exposure
9914025	Environmental – Frostbite/Cold Injury
9914027	Environmental – Heat Exposure/Heat Exhaustion
9914029	Environmental – Heat Exposure/Heat Stroke
9914031	Environmental - Hypothermia
9914033	Exposure – Airway/Inhalation Irritants
9914035	Exposure – Biological/Infectious
9914037	Exposure – Blistering Agents
9914039	Exposure – Carbon Monoxide/Smoke Inhalation
9914041	Exposure – Chemicals to Eye(s)
9914043	Exposure - Cyanide
9914045	Exposure – Explosive/Blast Injury
9914047	Exposure – Nerve Agents
9914049	Exposure – Radiologic Agent
9914051	General - Back Pain
9914053	General – Behavioral/Patient Restraint
9914055	General – Cardiac Arrest
9914057	General - Dental

9914059	General – Epistaxis
9914061	General – Fever
9914063	General – Individualized Patient Protocol
9914065	General – Indwelling Medical Device/Equipment
9914067	General – IV Access
9914069	General – Medical Device Malfunction
9914071	General – Pain Control
9914073	General – Spinal Immobilization/Clearance
9914075	General – Universal Patient Care/Initial Patient Contact
9914077	Injury – Amputation
9914079	Injury – Bites and Envenomation - Land
9914081	Injury – Bites and Envenomation – Marine
9914083	Injury – Bleeding/Hemorrhage Control
9914085	Injury – Burns – Thermal
9914087	Injury – Cardiac Arrest
9914089	Injury – Crush Syndrome
9914091	Injury – Diving Emergencies
9914093	Injury – Drowning/Near Drowning
9914095	Injury – Electrical Injuries
9914097	Injury – Extremity
9914099	Injury – Eye
9914101	Injury – Head
9914103	Injury – Impaled Object
9914105	Injury – Multisystem
9914107	Injury – Spinal Cord Injury
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	Medical – Overdose/Poisoning/Toxic Ingestion
9914137	Medical – Pulmonary Edema/CHF
9914139	Medical – Respiratory Distress/Asthma/COPD/Croup/Reactive Airway
9914141	Medical – Seizure
9914143	Medical – ST Elevation Myocardial Infarction (STEMI)
9914145	Medical – Stroke/TIA
9914147	Medical – Supraventricular Tachycardia (including Atrial Fibrillation)
9914149	Medical – Syncope
9914151	Medical – Ventricular Tachycardia with Pulse
9914153	Not Done
9914155	OB/GYN – Childbirth/Labor/Delivery

9914157	OB/GYN – Eclampsia
9914159	OB/GYN – Gynecological Emergencies
9914161	OB/GYN – Pregnancy Related Emergencies
9914163	OB/GYN – Post-partum Hemorrhage
9914165	Other

Validation Rule Trigger(s)

Rule 1: When the use of "Other Protocol" is documented the validation rule will be triggered. The EMS agency needs contact OEMS to have the additional protocol added to the State system. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

dConfiguration.11 – EMS Agency Specialty Service Capability

Definition

Special training or services provided by the EMS agency and available to the EMS service area/community. It is each agency's determination which services it provides.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
1211001	Air Rescue
1211003	CBRNE
1211005	Community Health Medicine
1211007	Disaster Medical Assistance Team (DMAT)
1211009	Disaster Mortuary (DMORT)
1211011	Dive Rescue
1211013	Farm Rescue
1211015	High Angle Rescue
1211017	Machinery Disentanglement
1211019	None
1211021	Ski/Snow Rescue
1211023	Tactical EMS
1211025	Trench/Confined Space Rescue
1211027	Urban Search and Rescue (USAR)
1211029	Vehicle Extrication
1211031	Veterinary Medical Assistance Team (VMAT)
1211033	Water or Ice Related Rescue (Incl Swift Water)
1211035	Wilderness Search and Rescue

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

State

dConfiguration.12 – Billing Status

Definition			
Indication of whether the EMS agency routinely bills for any segment of the patient population.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Billing status is associated with each EMS Agency for the specific EMS Agency Number (dAgency.02).

DRAFT

National	State

dConfiguration.13 – Emergency Medical Dispatch Provided to EMS Agency Service Area

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
1213001	No
1213003	Yes, 100% of the EMS agency's service area.
1213005	Yes, less than 100% of the EMS agency's service area.

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added to better document the implementation of EMD. Associated with each EMS agency and the specific EMS agency number (dAgency.02).

DRAFT

State

dConfiguration.14 – EMD Vendor

Definition			
The vendor or company associated with the EMD card set and algorithms.			
Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	D04_17	Is Nillable	No*
Usage	Required	Recurrence	0 : M

Attributes

Not Values

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

Correlation ID

Date Type	minLength	maxLength
String	0	255

Constraints

Date Type	minLength	maxLength
String	2	100

Validation Rule Trigger(s)

Rule 1: Shall be provided when dConfiguration.13 EMD provided to service area is yes.
Rule 2: If EMD is not performed in the agency's service area 7701001/Not Applicable should be submitted.

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

dConfiguration.15 – Patient Monitoring Capability(ies)

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

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

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

National	State

dConfiguration.16 – Unit/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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_02	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

Attributes

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dLocation.01 – EMS Station Location Type

Definition			
The type of EMS station/staging location which could be a fixed station or a pre-determined staging area.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Code List

Code List	Description
1301001	EMS Agency Headquarters
1301003	EMS Staging Area
1301005	EMS Station
1301007	Other (not listed)

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This is associated with the EMS Agency Number (dAgency.02).

DRAFT

State

dLocation.02 – EMS Station or Staging Location Name

Definition			
The name of the EMS station/staging location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D05_01	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	100

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dLocation.03 – EMS Station or Staging Location Number

Definition			
The ID number of the EMS station/staging location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D05_02	Is Nillable	No
Usage	Mandatory*	Recurrence	1 : 1 *

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This may include the same or part of the name provided in dLocation.02

DRAFT

State

dLocation.04 – EMS Station or Staging Location GPS

Definition			
The GPS coordinate of the EMS station/staging location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D05_04	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Pattern

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

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

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

GPS locations can be looked up by mailing address at http://wwwgpsvisualizer.com/geocode

DRAFT

State

dLocation.06 – EMS Station or Staging Location Address

Definition			
The address of the EMS station/staging location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D05_05	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minlength	maxLength
String	1	55

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dLocation.08 – EMS Station Staging Location State

Definition			
The state of the EMS station/staging location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D05_07	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	Length
String	2

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Based on the ANSI Code.

ANSI Country Codes (ISO 3166) Website: http://geonames.usgs.gov/domestic/download_data.htm

DRAFT

State

dLocation.09 – EMS Station or Staging Location ZIP Code

Definition			
The ZIP code of the EMS location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D05_08	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

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]

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

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

DRAFT

State

dLocation.10 – EMS Station or Staging Location County (ies)/City (ies)

Definition			
The county of the EMS station/staging location.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	Length
String	5

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

County and city codes are based on ISO/ANSI codes. It is a 5-digit code based on state (2-digit) and county (5-digit). Due to Virginia's demographic make-up, Virginia cities are reported via the county data element using their appropriate GNIS code. This is unique to Virginia.

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

DRAFT

State

dVehicle.01 - Unit/Vehicle Number

Definition			
The unique ID number for the unit which is specific for each vehicle.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D06_01	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Date Type	minLength	maxLength
String	1	25

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This element can be used in EMS PCR documentation to document the vehicle. This element should be used to populate eResponse.13 (EMS Vehicle (Unit) Number).

DRAFT

State

dVehicle.02 – Vehicle Identification Number

Definition			
The manufacturer's VIN associated with the vehicle.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	17	17

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Consider VIN standard ISO-3779 and ISO-3780.

DRAFT

State

dVehicle.03 – EMS Unit Call Sign

Definition			
The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D06_01	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dVehicle.04 - Vehicle Type

Definition			
The vehicle type of the unit (ambulance, fire, truck, etc.).			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-0	Not Values	No*
Version 2 Element	D06_03	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Code List

Code List	Description
1404001	Ambulance
1404003	ATV
1404005	Bicycle
1404007	Fire Apparatus
1404009	Fixed Wing
1404011	Motorcycle
1404013	Other
1404015	Personal Vehicle
1404017	Quick Response Vehicle (Non-Transport Vehicle other than Fire Apparatus)
1404019	Crash Truck or other Specialty Vehicle
1404021	Helicopter
1404023	Snow Vehicle
1404025	Watercraft/Boat

Validation Rule Trigger(s)

Rule 1: When the use of "Other" vehicle type is used, the EMS agency should contact OEMS to have receive an interpretation of the vehicle type or possible additional vehicle type added to the State system. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

State

dVehicle.05 – Crew State Certification Levels

Definition
The certification/licensure level of the ambulance by the state or the certification/licensure level at which the vehicle is most commonly staffed.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D06_04	Is Nillable	No
Usage	Mandatory*	Recurrence	0 : 1

Attributes

N/A

Code List

Code List	Description
~~9917001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~9917003~~	~~2009 Emergency Medical Responder (EMR)~~
~~9917005~~	~~2009 Emergency Medical Technician~~
~~9917007~~	~~2009 Paramedic~~
9917009	First Responder
9917011	EMT - Basic
9917013	EMT - Intermediate
9917015	EMT - Paramedic
9917017	Nurse
9917019	Physician
~~9917021~~	~~Critical Care Paramedic~~
~~9917023~~	~~Community Paramedicine~~
9917025	EMT - Enhanced

Validation Rule Trigger(s)

Rule: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up and others.

Purpose of Collection/Associated Performance Measures

Data Element Comment

The new 2009 EMS Educational Levels will be activated when state certification begins.

State

dVehicle.10 - Vehicle Model Year

Definition			
The year the vehicle was manufactured.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D06_07	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Date Type	minValue	maxValue
String	1900	2050

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dPersonnel.01 - EMS Personnel's Last Name

Definition

The last name of the personnel.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D08_01	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1*

Attributes

Not Values

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

Constraints

Date Type	minValue	maxValue
String	1	50

Validation Rule Trigger(s)

Rules: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up, and others.

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dPersonnel.02 - EMS Personnel's First Name

Definition

The first name of the personnel.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D08_03	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Date Type	minValue	maxValue
String	1	50

Validation Rule Trigger(s)

Rule: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up and others.

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dPersonnel.22 - EMS Personnel's State of Certification

Definition

The state of the certification number assigned to the personnel member.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element		Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Date Type	Length
String	2

Validation Rule Trigger(s)

Rule 1: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up and others.

Rule 2: Must begin with A, B, E, I, J, Admin, DRV, Pil, Stud, or Thrd and be followed by a 5 digit number or eight digit number respectfully.

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dPersonnel.23 - EMS Personnel's State's Certification Number

Definition			
The state's certification number for the personnel as assigned by OEMS.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D07_02	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Date Type	minValue	maxValue
String	2	50

Validation Rule Trigger(s)

Rule 1: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up and others.

Rule 2: Must begin with A, B, E, I, J, Admin, DRV, Pil, Stud, or Thrd and be followed by a 5 digit number or eight digit number respectfully.

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dPersonnel.24 - EMS Personnel's State EMS Certification Level

Definition

The personnel's state EMS certification level.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D08_15	Is Nillable	No*
Usage	Mandatory*	Recurrence	1 : 1*

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Code List

Code List	Description
~~9917001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~9917003~~	~~2009 Emergency Medical Responder (EMR)~~
~~9917005~~	~~2009 Emergency Medical Technician~~
~~9917007~~	~~2009 Paramedic~~
9917009	First Responder
9917011	EMT - Basic
9917013	EMT - Intermediate
9917015	EMT – Paramedic
9917017	Nurse
9917019	Physician
~~9917021~~	~~Critical Care Paramedic~~
~~9917023~~	~~Community Paramedicine~~
9917025	EMT - Enhanced

Validation Rule Trigger(s)

Rules: Multiple rules will be associated with personnel information, including but not limited to, medication administration, performance of procedures, crew make up, and others.

Purpose of Collection/Associated Performance Measures

Data Element Comment

The new 2009 EMS Educational Levels will be activated when state certification begins.

State

dPersonnel.31 - EMS Personnel's Employment Status

Definition

The personnel's primary employment status for this agency.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	D07_03	Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Code List

Code List	Description
1531001	Full Time Paid Employee
1531003	Part Time Paid Employee
1531005	Volunteer
1531007	Neither an Employee Nor a Volunteer

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

dFacility.03 – Hospital/Facility Code

Definition			
The code of the facility as assigned by the OEMS.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D04_12	Is Nillable	No
Usage	Required*	Recurrence	0 : 1

Attributes

N/A

Constraints

Date Type	minValue	maxValue
String	2	50

Validation Rule Trigger(s)

Rules 1: Must be submitted as a code that matches the OEMS list of hospital codes.

Purpose of Collection/Associated Performance Measures

Data Element Comment

The information contained within this element could be used to populate eScene.09 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code.) See Virginia's list of hospitals on-line; the list is named Hospital_Codes_and_Names_VAv3.

DRAFT

National	State

eRecord.02 – Software Creator

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E01_02	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

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 software. Agencies entering abstracted data directly into the VPHIB Webpage will not have to enter this information.

DRAFT

National	State

eRecord.03 – Software Name

Definition

The name of the software used to collect the EMS event.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E01_03	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

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. Agencies entering abstracted data directly into the VPHIB Webpage will not have to enter this information.

DRAFT

National	State

eRecord.04 – Software Version

Definition

The version of the software used to collect the EMS event.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Agencies entering abstracted data directly into the VPHIB webpage will not have to enter this information.

DRAFT

State

eResponse.01 - EMS Agency Number

Definition			
The state-assigned provider number of the responding agency.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	D01_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	15

Validation Rule Trigger(s)

Rule 1: All records must have an EMS Agency Number included in it to upload.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

State

eResponse.02 – EMS Agency Name

Definition			
EMS Agency Name.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element		Is Nillable	No*
Usage	Mandatory*	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	100

Validation Rule Trigger(s)

Rule 1: Must be identical the name used for the agency's OEMS licensure; no abbreviations, no punctuation.
Rule 2: Must be identical to the name provided in dAgency.03.

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

National	State

eResponse.03 – Incident Number

Definition

The primary incident number assigned by the 911 dispatch system. If only one incident numbering system is utilized it shall be reported through this element.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	E02_02	Is Nillable	No*
Usage	Mandatory*	Recurrence	1 : 1

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Constraints

Data Type	minLength	maxLength
String	3	32

Validation Rule Trigger(s)

Rule 1: If eResponse.03 equals [blank] or uses a not value (77 or 76)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

National	State

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. This shall be a secondary number if the agency utilizes a second incident number.

Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	E02_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minLength	maxLength
String	3	32

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This may be duplicate of eResponse.03 if agency only utilizes a single incident numbering system.

DRAFT

National	State

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E02_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
2205001	911 Response (Scene) [Default]
2205003	Intercept/Rendezvous
2205005	Interfacility Transport
2205007	Medical Transport
2205009	Mutual Aid
2205011	Public Assistance/Other Not Listed
2205013	Standby

Validation Rule Trigger(s)

Rule 1: If eResponse.05 equals [blank] (83)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Interfacility Transfer has been changed to Interfacility Transport and Public Assistance/Other added for EMS expanded scope events such as elderly assistance, injury prevention, public education, immunization programs, etc.

State	National

eResponse.07 – Primary Role of the Unit

Definition
The Primary role of the EMS unit which responded to this specific EMS event

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E02_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

Code List

Code List	Description
2207001	Medevac/HEMS/ Air Transport
2207003	Ground Transport [Default]
2207005	Non-transport Administrative (e.g. Supervisor)
2207007	Non-transport First Response
2207009	Extrication or other Specialty Unit

Validation Rule Trigger(s)

Rule 1: If eResponse.07 equals [blank] or a not value (84)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Supervisor clarified to administrative only. If the supervisor is responding to assist, that would be considered non-transport. Transport separated into air and ground. In version 2 there was no way to identify air transport.

DRAFT

National	State

eResponse.08 – Type of Dispatch Delay

Definition

The dispatch delay(s), if any, associated with the dispatch of the EMS unit to the EMS event.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No*
Version 2 Element	E02_06	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2208001	Caller Uncooperative
2208003	Diversion/Failure (of previous assigned unit)
2208005	High Call Volume
2208007	Language Barrier
2208009	Location (inability to obtain)
2208011	No EMS Units Available (NUA)
2208013	None/No Delay [Default]
2208015	Other (not listed)
2208017	Technical Failure (computer, phone, etc.)

Validation Rule Trigger(s)

Rule 1: When any one or more valid responses is/are provided there cannot also be a not value. (122)
Rule 2: Cannot choose "None" and other delay reason at the same time. (1200)
Rule 3: Cannot be [blank] or a not value. (1201)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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).

National	State

eResponse.09 – Type of Response Delay

Definition

The response delay(s), if any, of the EMS unit associated with the EMS event.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No*
Version 2 Element	E02_07	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2209001	Crowd
2209003	Directions/Unable to Locate
2209005	Distance
2209007	Diversion (different incident)
2209009	HazMat
2209011	None/No Delay [Default]
2209013	Other (not listed)
2209015	Rendezvous Transport Unavailable
2209017	Route Obstruction (e.g. train)
2209019	Scene Safety (not secure for EMS
2209021	Staff Delay
2209023	Traffic
2209025	Vehicle Crash Involving this Unit
2209027	Vehicle Failure of this Unit
2209029	Weather

Validation Rule Trigger(s)

Rule 1: When Response Delay has a common not value **AND** another value at the same time. (121)
Rule 2: Cannot choose "None" and another delay reason at the same time. (1147)
Rule 3: Cannot be [blank] or a not value. (177)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

National	State

eResponse.10 – Type of Scene Delay

Definition

The scene delays, if any, of the EMS unit associated with the EMS event from the time the unit arrived on scene (eTimes.06) to the time the unit left the scene (eTimes.09).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No*
Version 2 Element	E02_08	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
221001	Awaiting Medevac/HEMS
221003	Awaiting Ground Unit
221005	Crowd
221007	Directions/Unable to Locate
221009	Distance > Normal
221011	Extrication
221013	HazMat
221015	Language Barrier
221017	None/No Delay [Default]
221019	Other (not listed)
221021	Patient Access
221023	Safety - Crew/Staging
221025	Safety - Patient
221027	Staff Delay
221029	Traffic
221031	Triage/Multiple Patients
221033	Vehicle Crash Involving this Unit
221035	Vehicle Failure of this Unit
221037	Weather

Validation Rule Trigger(s)

Rule 1: When Scene Delay has a common not value **AND** another value at the same time. (123)
Rule 2: Cannot choose “None” and another delay reason at the same time. (1148)
Rule 3: Type of Scene Delay cannot be [blank] or use a not value. (179)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

National	State

eResponse.11 – Type of Transport Delay

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No*
Version 2 Element	E02_09	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2211001	Crowd
2211003	Directions/Unable to Locate
2211005	Distance > Normal
2211007	Diversion (different incident)
2211009	HazMat
2211011	None/No Delay [Default]
2211013	Other (not listed)
2211015	Rendezvous Transport Unavailable
2211017	Route Obstruction (e.g. train)
2211019	Scene Safety (not secure for EMS)
2211021	Staff Delay
2211023	Traffic
2211025	Vehicle Crash Involving this Unit
2211027	Vehicle Failure of this Unit
2211029	Weather

Validation Rule Trigger(s)

Rule 1: When any one or more valid responses is/are provided; cannot have a not value. (124 and 180)
Rule 2: When E20_10/patient/incident disposition is treated, transported by EMS response must be none or other positive response and not a not value. (180)
Rule 3: Cannot choose “None” and other delay reason at the same time. (1138)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

National	State

eResponse.12 – Type of Turn-around Delay

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No*
Version 2 Element	E02_10	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2212001	Clean-up
2212003	Decontamination
2212005	Distance
2212007	Documentation
2212009	ED Overcrowding/Transfer of Care
2212011	Equipment Failure
2212013	Equipment/Supply Replenishment
2212015	None/No Delay [DeFault]
2212017	Other (not listed)
~~2212019~~	~~Rendezvous Transport Unavailable~~
2212021	Route Obstruction (e.g.train)
2212023	Staff Delay
2212025	Traffic
2212027	Vehicle Crash of this Unit
2212029	Vehicle Failure of this Unit
2212031	Weather

Validation Rule Trigger(s)

Rule 1: When any one or more valid responses is/are provided; cannot have a not value. (125)
Rule 2: The turn-around delays, if any, are [blank]. (181)
Rule 3: Cannot choose “None” and other delay reason at the same time. (1149)

Purpose of Collection/Associated Performance Measures

Response

Data Element Comment

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

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.10) until the time the unit is back in service (eTimes.13) or unit back at the home location (eTimes15) [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].

DRAFT

National	State

eResponse.13 – EMS Vehicle (Unit) Number

Definition
The unique physical vehicle number of the responding unit.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E02_11	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Constraints

Data Type	minLength	maxLength
String	1	25

Validation Rule Trigger(s)

Rule 1: Cannot have “not Values” or be [blank]. (182)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This element should be populated from dVehicle.01 - Unit/Vehicle Number.

DRAFT

National	State

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E02_12	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	50

Validation Rule Trigger(s)

Rule 1: All reported records are required to include a valid EMS unit call sign. (182)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

National	State

eResponse.15 – Level of Care of this Unit

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Code List

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

Validation Rule Trigger(s)

Rule 1: All reported records are required to include the highest level of care of the unit.

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added to identify the level of care the EMS unit/crew can provide regardless of patient need, based on this unit's staffing and equipment capabilities. In version 2 this was part of E02_05/Primary Role of the Unit.

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

State

eResponse.16 - Vehicle Dispatch Location

Definition			
The EMS location or healthcare facility name representing the geographic location of the vehicle at the time of dispatch.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes*
Version 2 Element	E02_13	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	100

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

National	State

eResponse.23 - Response Mode to Scene

Definition

The indication whether the response was emergent or non-emergent. An emergent response is an immediate response (typically using lights and sirens).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E02_20	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Code List

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

Validation Rule Trigger(s)

Rule 1: Response Mode to Scene cannot be [blank] or use a not value. (86)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Information now split between eResponse.21 (Response Mode to Scene) and eResponse.22 (Additional Response Mode Descriptors)

DRAFT

National	State

eResponse.24 - Additional Response Mode Descriptors

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2224001	Intersection Navigation-Against Normal Light Patterns
2224003	Intersection Navigation-With Automated Light Changing Technology
2224005	Intersection Navigation-With Normal Light Patterns
2224007	Scheduled
2224009	Speed-Enhanced per Local Policy
2224011	Speed-Normal Traffic
2224013	Unscheduled

Validation Rule Trigger(s)

Rule 1: When any one or more valid responses is/are provided; cannot have a not value. (pend.)

Purpose of Collection/Associated Performance Measures

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.

National	State

eDispatch.01 – Complaint Reported by Dispatch

Definition			
The complaint dispatch reported to the responding unit.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E03_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Code List

Code List	Description
2301001	Abdominal Pain/Problems
2301003	Allergic Reaction/Stings
2301005	Animal Bite
2301007	Assault
2301009	Automated Crash Notification
2301011	Back Pain (Non-Traumatic)
2301013	Breathing Problem
2301015	Burns/Explosion
2301017	Carbon Monoxide/Hazmat/Inhalation/CBRN
2301019	Cardiac Arrest/Death
2301021	Chest Pain (Non-Traumatic)
2301023	Choking
2301025	Convulsions/Seizure
2301027	Diabetic Problem
2301029	Electrocution/Lightning
2301031	Eye Problem/Injury
2301033	Falls
2301035	Fire
2301037	Headache
2301039	Healthcare Professional/Admission
2301041	Heart Problems/AICD
2301043	Heat/Cold Exposure
2301045	Hemorrhage/Laceration
2301047	Industrial Accident/Inaccessible Incident/Other Entrapments (Non-Vehicle)
2301049	Medical Alarm
2301051	No Other Appropriate Choice
2301053	Overdose/Poisoning/Ingestion
2301055	Pandemic/Epidemic/Outbreak
2301057	Pregnancy/Childbirth/Miscarriage
2301059	Psychiatric Problem/Abnormal Behavior/Suicide Attempt
2301061	Sick Person

2301063	Stab/Gunshot Wound/Penetrating Trauma
2301065	Standby
2301067	Stroke/CVA
2301069	Traffic/Transportation Incident
2301071	Transfer/Interfacility/Palliative Care
2301073	Traumatic Injury
2301075	Well Person Check
2301077	Unconscious/Fainting/Near-Fainting
2301079	Unknown Problem/Person Down

Validation Rule Trigger(s)

Rule 1: The Complaint Reported by Dispatch cannot be [blank] or use a not value. (81)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

State

eDispatch.05 - Dispatch Priority (Patient Acuity)

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No
Version 2 Element		Is Nillable	Yes
Usage	Required*	Recurrence	0 : 1

Attributes

N/A

Code List

Code List	Description
2305001	Priority 1 (Critical)
2305003	Priority 2 (Emergent)
2305005	Priority 3 (Lower Acuity)
2305007	Priority 4 (Non-Acute [e.g. Scheduled Transfer or Standby])

Validation Rule Trigger(s)

Rule 1: Reported with all incidents. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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

Echo = Priority 1, Charlie = Priority 2, Alpha = Priority 3,
Delta = Priority 1, Bravo = Priority 2, Omega = Priority 4.

Priority 1 is typically an emergent (lights and sirens) response
Priority 2 is typically an emergent response without the use lights and sirens
Priority 3 is typically a non-emergent response for nursing home, hospital-to-hospital transfers, etc.
Priority 4 is typically a scheduled response (scheduled transfer) or standby event

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

State

eCrew.01 - Crew Member ID

Definition			
The state certification/licensure ID number assigned to the crew member.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No*
Version 2 Element	E04_01	Is Nillable	No*
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	15

Validation Rule Trigger(s)

Rule 1: Crew member(s) must be reported with each response. (307 and 308)
Rule 2: Must begin with A, B, E, I, J, Admin, DRV, Pil, Stud, or Thrd and be followed by a 5 digit number or eight digit number respectfully. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

State

eCrew.02 - Crew Member Level

Definition			
The functioning level of the crew member ID during this EMS patient encounter.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No*
Version 2 Element	E04_03	Is Nillable	No*
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Code List

Code List	Description
~~2302001~~	~~2009 Advanced Emergency Medical Technician (AEMT)~~
~~2302003~~	~~2009 Emergency Medical Responder (EMR)~~
~~2302005~~	~~2009 Emergency Medical Technician (EMT)~~
~~2302007~~	~~2009 Paramedic~~
2302009	First Responder
2302011	EMT - Basic
2302013	EMT - Intermediate
2302015	EMT – Paramedic (Based on pre-2009 Curriculum)
2302017	Nurse
2302019	Other Healthcare Professional
2302021	Other Non-Healthcare Professional
2302023	Physician
2302025	Respiratory Therapist
2302027	Student
~~2302029~~	~~Critical Care Paramedic~~
~~2302031~~	~~Community Paramedicine~~
2302033	EMT - Enhanced

Validation Rule Trigger(s)

Rule 1: All reported records are required to include a valid Crew Member(s) level. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The new 2009 EMS Educational Levels will be activated when state certification begins.

State

eCrew.03 - Crew Member Response Role

Definition			
The role(s) of the member(s) during response, at scene treatment, and/or transport.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No*
Version 2 Element	E04_02	Is Nillable	No*
Usage	Required	Recurrence	0 : M

Attributes

Not Values

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

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2303001	Driver/Pilot-Response
2303003	Driver/Pilot-Transport
2303005	Other (Not Listed)
2303007	Other Patient Caregiver-At Scene
2303009	Other Patient Caregiver-Transport
2303011	Primary Patient Caregiver-At Scene
2303013	Primary Patient Caregiver-Transport

Validation Rule Trigger(s)

Rule 1: All reported records are required to include a valid Crew Member(s) role(s). (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

National	State

eTimes.01 – PSAP Call Date/Time

Definition

The date/time the phone rings in the PSAP requesting EMS services.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E05_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: PSAP call date/time is [blank]. (272)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes02)

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

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

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

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

DRAFT

National	State

eTimes.03 – Unit Notified by Dispatch Date/Time

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E05_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Unit Dispatched date/time [blank]. (99)
Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1003 - 1006)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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

DRAFT

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

DRAFT

National	State

eTimes.05 – Unit En Route Date/Time

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E05_05	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not value

~~7701001 - Not Applicable~~ 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Unit En Route date/time [blank] **AND** the incident disposition indicates arrival on scene. (37)
Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1007 – 1009)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

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

DRAFT

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

DRAFT

National	State

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E05_06	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not value

~~7701001 - Not Applicable~~ 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Unit Arrived on Scene date/time [blank] **AND** the incident disposition indicates arrival on scene. (42 & 95)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1011 – 1015)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

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

DRAFT

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

DRAFT

National	State

eTimes.07 – Arrived at Patient Date/Time

Definition			
The date/time the responding unit arrived at the patient's side.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E05_07	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not value

~~7701001 - Not Applicable~~ 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Unit Arrived at Patient date/time [blank] **AND** the incident disposition indicates patient contact. (100 - 101)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1016 – 1021)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

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

DRAFT

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

DRAFT

State

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

Definition			
The date/time the patient was transferred from this EMS agency to another EMS agency for care.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E05_08	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not value

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

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Transfer of EMS Patient Care date/time [blank] **AND** the incident disposition is 4212027 Patient Treated and Transferred Care to Another EMS Unit. (1150)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (213, 1022 – 1028)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes02)

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

DRAFT

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

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

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

DRAFT

National	State

eTimes.09 – Unit Left Scene Date/Time

Definition

The date/time the responding unit left the scene with a patient (started moving).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E05_09	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Unit Left Scene date/time [blank] **AND** the Incident/Patient Disposition indicates arrival on scene. (98)

Rule 2: When disposition of call is Cancelled, the date/time the responding unit left the scene should not exist. (214)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1029 – 1035)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

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

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

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

DRAFT

State

eTimes.10 - Arrival at Landing Zone Date/Time

Definition			
The date/time the Air Medical vehicle arrived at the destination landing area.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-0	Not Values	No
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Arrival at Landing Zone date/time [blank] **AND** eDisposition.12 indicates 4212027/Treated, Transferred Care to Other EMS Unit (when a medevac unit). (pend.)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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

DRAFT

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

DRAFT

National	State

eTimes.11 – Patient Arrived at Destination Date/Time

Definition

The date/time the responding unit arrived with the patient at the destination/hospital.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E05_10	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Patient Arrived at Destination date/time [blank] **AND** the Incident/Patient Disposition indicates the patient was transport by this EMS unit. (94)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1036 – 1043)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

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

DRAFT

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

DRAFT

National	State

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

Definition

The date/time that patient was transferred to the destination health care staffs.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-0	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Destination Patient Transfer of Care date/time is [blank] **AND** eDisposition.12 indicates 4212029/Transport by this EMS Unit. (pend.)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (103)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

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

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

DRAFT

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

DRAFT

National	State

eTimes.13 – Unit Back in Service Date/Time

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E05_11	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Unit Back in Service date/time [blank]. (97)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Transfer of Patient Care>Unit Left Scene>Arrival at Landing Zone>Patient Arrived Destination>Destination Patient Transfer of Care>Unit Back in Service>Unit Cancelled. (1045 – 1055)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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

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

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

DRAFT

State

eTimes.14 - Unit Cancelled Date/Time

Definition			
The date/time the unit was cancelled.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	E05_12	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates Cancelled (prior to arrival on scene) (pend.)
Rule 2: eTimes.05 must be greater than eTimes.03 (pend.)

Purpose of Collection/Associated Performance Measures

Response

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

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

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

DRAFT

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

DRAFT

State

ePatient.02 - Last Name

Definition			
The patient's last (family) name.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_01	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

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

Pertinent Negatives

8801023 – Unable to Complete 8801019 - Refused

Constraints

Data Type	minlength	maxLength
String	1	50

Validation Rule Trigger(s)

Rule 1: When the patient's last name is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (30 or 251)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

State

ePatient.03 – Patient's First Name

Definition			
The patient's first (given) name.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_02	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

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

Pertinent Negatives

8801023 – Unable to Complete 8801019 - Refused

Constraints

Data Type	minlength	maxLength
String	1	50

Validation Rule Trigger(s)

Rule 1: When the patient's first name is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (39 or 252)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

DRAFT

State

ePatient.06 – Patient's Home Town

Definition
The township (if applicable) where the patient lives (or best approximation). **NOTE:** counties AND cities in Virginia are reported through ePatient.06.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes*
Version 2 Element	E06_05	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type positiveinteger

Validation Rule Trigger(s)

Rule 1: When Patient's Home County/City is [blank] or uses a not value AND eDisposition.12 is Patient Treated and Transported by this Unit. (257 & 1151)

Rule 2: When eDisposition.12 indicates patient contact (except 4212029) and a not value is reported or is a not value. (pend.)

Data Element Comment

The Commonwealth of Virginia is divided into 95 counties and **39 independent cities, which are considered county-equivalents** for census purposes. In Virginia all municipalities incorporated as towns are included within counties. Under Virginia law, all municipalities incorporated as cities are independent cities and are not part of any county.

Note: There are several counties and cities which share the same name, but are separate politically and in some cases by a significant distance. These include Bedford, Fairfax, Franklin, Richmond, and Roanoke.

To report the name of the city that an EMS incident occurred in or patient resides in the list of 39 cities below must be report as a county and not a city. For example to report an incident that occurred in the City of Richmond; the city name would be reported as "Richmond (city)" and be reported in this format via eScene.21/County. This applies to the 39 cities listed below.

Alexandria (city)	Fairfax (city)	Manassas (city)	Richmond (city)
Bedford (city)	Falls Church (city)	Manassas Park (city)	Roanoke (city)
Bristol (city)	Franklin (city)	Martinsville (city)	Salem (city)
Buena Vista (city)	Fredericksburg (city)	Newport News (city)	Staunton (city)
Charlottesville (city)	Galax (city)	Norfolk (city)	Suffolk (city)
Chesapeake (city)	Hampton (city)	Norton (city)	Virginia Beach (city)
Colonial Heights (city)	Harrisonburg (city)	Petersburg (city)	Waynesboro (city)
Covington (city)	Hopewell (city)	Poquoson (city)	Williamsburg (city)
Danville (city)	Lexington (city)	Portsmouth (city)	Winchester (city)
Emporia (city)	Lynchburg (city)	Radford (city)	

National	State

ePatient.07 – Patient's Home County/City

Definition

The patient's home county or city of residence reported by GNIS codes (formerly FIPS codes.)

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	length
String	5

Validation Rule Trigger(s)

Rule 1: When Patient's Home County/City is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact. (257 & 1151)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The Commonwealth of Virginia is divided into 95 counties and **39 independent cities, which are considered county-equivalents** for census purposes. In Virginia all municipalities incorporated as towns are included within counties. Under Virginia law, all municipalities incorporated as cities are independent cities and are not part of any county.

Note: There are several counties and cities which share the same name, but are separate politically and in some cases by a significant distance. These include Bedford, Fairfax, Franklin, Richmond, and Roanoke.

To report the name of the city that an EMS incident occurred in or patient resides in the list of 39 cities below must be report as a county and not a city. For example to report an incident that occurred in the City of Richmond; the city name would be reported as "Richmond (city)" and be reported in this format via eScene.21/County. This applies to the 39 cities listed below.

Alexandria (city)	Fairfax (city)	Manassas (city)	Richmond (city)
Bedford (city)	Falls Church (city)	Manassas Park (city)	Roanoke (city)
Bristol (city)	Franklin (city)	Martinsville (city)	Salem (city)
Buena Vista (city)	Fredericksburg (city)	Newport News (city)	Staunton (city)
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Chesapeake (city)	Hampton (city)	Norton (city)	Virginia Beach (city)
Colonial Heights (city)	Harrisonburg (city)	Petersburg (city)	Waynesboro (city)
Covington (city)	Hopewell (city)	Poquoson (city)	Williamsburg (city)
Danville (city)	Lexington (city)	Portsmouth (city)	Winchester (city)
Emporia (city)	Lynchburg (city)	Radford (city)	

National	State

ePatient.08 – Patient's Home State

Definition			
The patient's home state, territory, province, or District of Columbia, where the patient resides.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	Length
String	2

Validation Rule Trigger(s)

Rule 1: When Patient's Home State is [blank] or a not value **AND** eDisposition.12 is Transported by this Unit. (1152)

Rule 2: When Patient's Home State is [blank] or a not value **AND** eDisposition.12 indicates patient contact. (1153)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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

DRAFT

National	State

ePatient.09 – Patient's Home ZIP Code

Definition			
The patient's home ZIP code of residence.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

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]

Validation Rule Trigger(s)

Rule 1: When the patient's Zip Code is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (40, 253, 1140, or 1141)

Rule 2: The Zip Code must be valid and in the correct format. (1140 & 1141)

Purpose of Collection/Associated Performance Measures

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

DRAFT

National	State

ePatient.13 - Gender

Definition

The patient's gender.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E06_11	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable ~~7701003 - Not Recorded~~

Code List

Code List	Description
9906001	Female
9906003	Male
9906005	Unknown (Unable to Determine)

Validation Rule Trigger(s)

Rule 1: When the patient's Gender is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (88, 266, or 267)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

ePatient.14 - Race

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_12	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Data Type	minLength	maxLength
String	0	255

Code List

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

Validation Rule Trigger(s)

Rule 1: When the patient's ethnicity is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (267 - 269)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

OMB requirements are provided at: http://www.omhrc.gov/templates/browse.aspx?lvl=2&lvlID=172. 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.

DRAFT

National	State

ePatient.15 - Age

Definition			
The patient's age (either calculated from date of birth or best approximation).			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E06_14	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
String	1	120

Validation Rule Trigger(s)

Rule 1: When the patient's age is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (153 and 302)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

ePatient.16 – Age Units

Definition
The unit used to define the patient's age.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E06_15	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Validation Rule Trigger(s)

Rule 1: When the patient's age unit is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (132)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

State

ePatient.17 – Patient's Date of Birth

Definition			
The patient's date of birth.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5/-1	Not Values	Yes
Version 2 Element	E06_16	Is Nillable	No*
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Pertinent Negatives

8801023 – Unable to Complete 8801019 - Refused

Constraints

Data Type	minLength	maxLength
Date	1890-01-01	2050-01-01

Validation Rule Trigger(s)

Rule 1: When the patient's date of birth is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (89 and 255)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

ePayment.01 – Primary Method of Payment

Definition			
The primary method of payment or type of insurance associated with this EMS encounter.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E07_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
2601001	Private Insurance (e.g. Blue Cross, Kaiser, etc.)
2601003	Medicaid
2601005	Medicare
2601007	Not Billed (for any reason)
2601009	Other Government (TriCare, Military, etc.)
2601011	Self-Pay/Uninsured
2601013	Workers Compensation

Validation Rule Trigger(s)

Rule 1: Required for all agencies which bill for services and patient transport is performed. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

ePayment.50 – CMS Service Level

Definition

The CMS service level for this EMS encounter.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E07_34	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
2650001	ALS, Level 1
2650003	ALS, Level 1 Emergency
2650005	ALS, Level 2
2650009	BLS
2650011	BLS, Emergency
2650013	Fixed Wing (Airplane)
2650015	Paramedic Intercept
2650017	Specialty Care Transport
2650019	Rotary Wing (Helicopter)

Validation Rule Trigger(s)

Rule 1: Required for all agencies which bill for services and patient transport is performed. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Pediatric STEMI Stroke Trauma

Data Element Comment

National	State

eScene.01 - First EMS Unit on Scene

Definition
Documentation that this EMS unit was the first EMS unit for the EMS agency on the scene.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates arrival on scene and a not value is reported or is [blank]. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Added to improve the evaluation of Response Times when multiple EMS units are responding to the same scene.

DRAFT

State

eScene.04 - Type of Other Service at Scene

Definition			
The type of public safety or EMS service associated with Other Agencies on Scene.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No
Version 2 Element	E08_02	Is Nillable	No
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Code List

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

Validation Rule Trigger(s)

Rule 1: When eScene.01 is 9923003/Yes completion is required. (pend.)
Rule 2: The use of "Other" must be minimal or the EMS agency should contact OEMS to receive an interpretation of the other service type or have the additional type of service added to the State system. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

National	State

eScene.06 - Number of Patients at Scene

Definition

Indicator of how many total patients were at the scene

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E08_05	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
2707001	Multiple
2707003	None
2707005	Single [Default]

Validation Rule Trigger(s)

Rule 1: When the number of patients is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (154)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eScene.07 - Mass Casualty Incident

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E08_06	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701001 - Not Applicable

Code List

Code List	Description
9923001	No [Default]
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When mass casualty is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (154 & 159)

Rule 2: When MCI is yes, eScene.06/number of patients must be multiple. (pend)

Purpose of Collection/Associated Performance Measures

Trauma

Data Element Comment

DRAFT

National	State

eScene.08 - Triage Classification for MCI Patient

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 is Transported by this EMS Unit **AND** eScene.07/Mass Casualty is 9923003/Yes **AND** eScene.08/Triage Classification is a [blank] or not value is reported. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

eScene.09 - Incident Location Type

Definition

The kind of location where the incident happened.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	E08_07	Is Nillable	No*
Usage	Mandatory*	Recurrence	1 : 1

Attributes

N/A

Constraints

Pattern

[0-9A-HJ-NP-Z][0-9A-Za-z]{1,6}

Validation Rule Trigger(s)

Rule 1: When the Incident Location Type is [blank] or is a not value. (90)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

See the Virginia specific code list on-line. It is titled: eScene_09_Virginia_Incident_Location_List_2_1_12

DRAFT

State

eScene.15 - Incident Street Address

Definition			
"The street address where the patient was found, or, if no patient, the address to which the unit responded."			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	E08_11	Is Nillable	No*
Usage	Mandatory	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	55

Validation Rule Trigger(s)

Rule 1: When the Incident Address is [blank] or is a not value for all records submitted. (38)

Purpose of Collection/Associated Performance Measures

Response

Data Element Comment

DRAFT

State

eScene.16 - Incident Town (if applicable)

Definition			
The township (if applicable) where the patient was found or to which the unit responded (or best approximation). **NOTE:** counties AND cities in Virginia are reported through eScene.21.			
Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	15

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Response

Data Element Comment

The Commonwealth of Virginia is divided into 95 counties and **39 independent cities, which are considered county-equivalents** for census purposes. In Virginia all municipalities incorporated as towns are included within counties. Under Virginia law, all municipalities incorporated as cities are independent cities and are not part of any county.

Note: There are several counties and cities which share the same name, but are separate politically and in some cases by a significant distance. These include Bedford, Fairfax, Franklin, Richmond, and Roanoke.

To report the name of the city that an EMS incident occurred in or patient resides in the list of 39 cities below must be report as a county and not a city. For example to report an incident that occurred in the City of Richmond; the city name would be reported as "Richmond (city)" and be reported in this format via eScene.21/County. This applies to the 39 cities listed below.

Alexandria (city)	Fairfax (city)	Manassas (city)	Richmond (city)
Bedford (city)	Falls Church (city)	Manassas Park (city)	Roanoke (city)
Bristol (city)	Franklin (city)	Martinsville (city)	Salem (city)
Buena Vista (city)	Fredericksburg (city)	Newport News (city)	Staunton (city)
Charlottesville (city)	Galax (city)	Norfolk (city)	Suffolk (city)
Chesapeake (city)	Hampton (city)	Norton (city)	Virginia Beach (city)
Colonial Heights (city)	Harrisonburg (city)	Petersburg (city)	Waynesboro (city)
Covington (city)	Hopewell (city)	Poquoson (city)	Williamsburg (city)
Danville (city)	Lexington (city)	Portsmouth (city)	Winchester (city)
Emporia (city)	Lynchburg (city)	Radford (city)	

DRAFT

National	State

eScene.18 - Incident State

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No*
Version 2 Element	E08_14	Is Nillable	No*
Usage	Mandatory*	Recurrence	1 : 1

Attributes

Not Values

~~7701001 - Not Applicable~~ ~~7701003 - Not Recorded~~

Constraints

Data Type	Length
String	2

Validation Rule Trigger(s)

Rule 1: Must be reported with all incidents. (1154)

Purpose of Collection/Associated Performance Measures

Response

Data Element Comment

Based on the ANSI State Code.

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

DRAFT

National	State

eScene.19 - Incident ZIP Code

Definition

The ZIP Code of the incident location.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No*
Version 2 Element	E08_15	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

N/A

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]

Validation Rule Trigger(s)

Rule 1: When the incident Zip Code is [blank], invalid, or is a not value for all reported incidents. (46)

Purpose of Collection/Associated Performance Measures

Response

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

DRAFT

National	State

eScene.21 - Incident County or City

Definition

The county or city where the patient was found or to which the unit responded (or best approximation) using GNIS codes (formerly FIPS code).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No*
Version 2 Element	E08_13	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

N/A

Constraints

Data Type	Length
String	5

Validation Rule Trigger(s)

Rule 1: Must be reported with all incidents. (1116 – 1125)

Purpose of Collection/Associated Performance Measures

Response

Data Element Comment

The Commonwealth of Virginia is divided into 95 counties and **39 independent cities, which are considered county-equivalents** for census purposes. In Virginia all municipalities incorporated as towns are included within counties. Under Virginia law, all municipalities incorporated as cities are independent cities and are not part of any county.

Note: There are several counties and cities which share the same name, but are separate politically and in some cases by a significant distance. These include Bedford, Fairfax, Franklin, Richmond, and Roanoke.

To report the name of the city that an EMS incident occurred in or patient resides in the list of 39 cities below must be report as a county and not a city. For example to report an incident that occurred in the City of Richmond; the city name would be reported as "Richmond (city)" and be reported in this format via eScene.21/County. This applies to the 39 cities listed below.

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Bedford (city)	Falls Church (city)	Manassas Park (city)	Roanoke (city)
Bristol (city)	Franklin (city)	Martinsville (city)	Salem (city)
Buena Vista (city)	Fredericksburg (city)	Newport News (city)	Staunton (city)
Charlottesville (city)	Galax (city)	Norfolk (city)	Suffolk (city)
Chesapeake (city)	Hampton (city)	Norton (city)	Virginia Beach (city)
Colonial Heights (city)	Harrisonburg (city)	Petersburg (city)	Waynesboro (city)
Covington (city)	Hopewell (city)	Poquoson (city)	Williamsburg (city)
Danville (city)	Lexington (city)	Portsmouth (city)	Winchester (city)
Emporia (city)	Lynchburg (city)	Radford (city)	

DRAFT

National	State

eSituation.01 - Date/Time of Symptom Onset/Last Normal

Definition

The date and time the symptom began as it relates to this EMS event. This is described or estimated by the patient, family, and/or healthcare professionals.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E05_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When Date/Time of Symptom Onset is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit. (1155)

Rule 2: When Date/Time of Symptom Onset is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact. (1156)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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. The intent of this element is to document the estimate date and time the patient was last known to be in their normal state.

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

DRAFT

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

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

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

DRAFT

National	State

eSituation.02 - Possible Injury

Definition

Indication whether or not there was an injury.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E09_04	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable ~~7701003 - Not Recorded~~

Code List

Code List	Description
9922001	No
9922003	Unknown
9922005	Yes

Validation Rule Trigger(s)

Rule 1: When Possible Injury is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (159)

Rule 2: When the Possible Injury response is no and eInjury.01 indicates a Cause of injury. (224)

Rule 3: A possible injury cannot exist when the incident/response disposition indicates the response was cancelled or no patient was found. (229)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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.

DRAFT

State

eSituation.03 - Complaint Type

Definition			
The type of patient healthcare complaint being documented.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
2803001	Chief (primary)
2803003	Other (not listed)
2803005	Secondary

Validation Rule Trigger(s)

Rule 1: When Complaint Type is [blank] or a not value **AND** eDisposition.12 indicates patient contact. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

eSituation.04 - Complaint

Definition			
The statement of the problem by the patient or the history provider.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E09_05	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	1	255

Validation Rule Trigger(s)

Rule 1: When eSituation.04 is [blank] or uses a not value and patient contact was indicated. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

DRAFT

State

eSituation.05 - Duration of Complaint

Definition			
The duration of the complaint.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E09_06	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minValue	maxValue
String	1	365

Validation Rule Trigger(s)

Rule 1: When the Duration of Complaint is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (254, 273, and 274)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Associated with Time Unit of Duration

DRAFT

State

eSituation.06 - Time Units of Duration of Complaint

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5/-1	Not Values	Yes
Version 2 Element	E09_07	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Validation Rule Trigger(s)

Rule 1: When eDisposition.05/Duration of Complaint has a valid value **AND** the Time Units Duration of Complaint is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (258)
Rule 2: When Time Units of Duration of Complaint is [blank] or a not value **AND** eDisposition.12 is Transported by this EMS. (259)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Associated with Duration of the Complaint

DRAFT

National	State

eSituation.07 - Chief Complaint Anatomic Location

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E09_11	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Validation Rule Trigger(s)

Rule 1: When the Chief Complaint Anatomic Location is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (160)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

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.

National	State

eSituation.08 - Chief Complaint Organ System

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E09_12	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Validation Rule Trigger(s)

Rule 1: When the Chief Complaint Organ System is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (161)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

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), andeSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

National	State

eSituation.09 - Primary Symptom

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10/-5	Not Values	Yes
Version 2 Element	E09_13	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Validation Rule Trigger(s)

Rule 1: When the patient's ethnicity is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (92 and 256)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

See the Virginia specific list of symptoms on-line in a document named eSituation_09_10_Virginia_Symptoms_List_2_1_12. This list will used for both elements eSituation_09_Primary_Symptom and eSituation_10_Other_Associated_Symptoms.

DRAFT

National	State

eSituation.10 - Other Associated Symptoms

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E09_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable ~~7701003 - Not Recorded~~

Correlation ID

Data Type	minLength	MaxLength
String	0	255

Constraints

Pattern

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

Validation Rule Trigger(s)

Rule 1: When Other Associated Symptoms is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (162)

Rule 2: Cannot have a common not value and another value at the same time. (234)

Rule 3: If Primary Symptom is 'none', then Other Associated Symptoms must be 'none'. (233)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

See the Virginia specific list of symptoms on-line in a document named eSituation_09_10_Virginia_Symptoms_List_2_1_12. This list will used for both elements eSituation_09_Primary_Symptom and eSituation_10_Other_Associated_Symptoms.

DRAFT

National	State

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).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E09_15	Is Nillable	No*
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Validation Rule Trigger(s)

Rule 1: When the Provider's Primary Impression is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (93)

Rule 2: Primary Impression cannot be common null value, when a secondary impression exists. (238)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

See the Virginia specific list of symptoms on-line in a document named eSituation_11_12_Virginia_Provider_Impression_List_2_1_12. This list will used for both elements eSituation_11_Providers_Primary_Impression and eSituation_12_Providers_Secondary_Impressions.

DRAFT

National	State

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).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E09_16	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	MaxLength
String	0	255

Constraints

Pattern

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

Validation Rule Trigger(s)

Rule 1: When the Provider's Secondary Impression is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (163)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Code list is represented in ICD-10-CM: Diagnoses Codes, see suggested NEMSIS list of provider impression codes.

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

DRAFT

National	State

eSituation.13 - Initial Patient Acuity

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
2813001	Critical (Red)
2813003	Emergent (Yellow)
2813005	Lower Acuity (Green)
2813007	Dead without Resuscitation Efforts (Black)

Validation Rule Trigger(s)

Rule 1: When Initial Patient Acuity is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

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.

DRAFT

National	State

eInjury.01 - Cause of Injury

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E10_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable ~~7701003 - Not Recorded~~

Constraints

([TV-Y][0-9]{2})((\.[0-9A-Z]{1,7})?)

Validation Rule Trigger(s)

Rule 1: When the Cause of Injury is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided and is injury related. (261)

Rule 2: Cannot have a common not value and another value at the same time. (236)

Purpose of Collection/Associated Performance Measures

Trauma

Data Element Comment

See the Virginia specific list of "Causes of Injury" on-line in the document titled eInjury.01_Virginia_Cause_of_Injury_List_2_1_12.

DRAFT

National	State

eInjury.03 - Trauma Triage Criteria

Definition

Field Triage Criteria for transport to a trauma center as defined by the Centers for Disease Control and Prevention and the American College of Surgeons-Committee on Trauma.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2903001	Amputation proximal to wrist or ankle (Step 2)
2903003	Crushed, degloved, mangled, or pulseless extremity (Step 2)
2903005	Chest wall instability or deformity (e.g. flailed chest (Step 2)
2903007	Glasgow Coma Score <14 (Step 1)
2903009	Open or depressed skull fracture (Step 2)
2903011	Paralysis (Step 2)
2903013	Pelvic fracture(s) (Step 2)
2903015	Penetrating injury to head, neck, torso, and extremities proximal to elbow or knee (Step 2)
2903017	Respiratory Rate <10 or >29 breaths per minute (<20 in infant aged < 1 year) or need for ventilatory support (Step 1)
2903019	Systolic Blood Pressure <90 mmHg (Step 1)
2903021	Two or more proximal long-bone fractures (Step 2)

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact AND eSituation.11 OR eSituation.12 includes an ICD-10_CM code of T36.0xx through T65.94, T71.11 through T71.9, T75.00 through T76.92, or V00.0x through Y38.9xx AND eInjury.02 is [blank] or uses a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Trauma

Data Element Comment

CDC Field Triage Decision Scheme - value choices for Steps 1 and 2. For falls, one story is equal to 10 feet.

National	State

eInjury.04 – Mechanism of Injury High Risk Factor – Trauma Triage Step 3

Definition

The kind of risk factor predictors present at the incident.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E10_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801005 - Exam Finding Not Present

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2904001	Auto v. Pedestrian/Bicyclist Thrown, Run Over, or > 20 MPH Impact
2904003	Fall Adults: > 20 ft. (one story is equal to 10 ft.)
2904005	Fall Children: > 10 ft. or 2-3 times the height of the child
2904007	Crash Death in Same Passenger Compartment
2904009	Crash Ejection (partial or complete) from vehicle
2904011	Crash Intrusion, including roof: > 12 in. occupant site; > 18 in. any site
2904013	Crash Vehicle Telemetry Data (AACN) Consistent with High Risk of Injury
2904015	Motorcycle Crash > 20 MPH

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eInjury.01 indicates a fall OR MVC **AND** eInjury.04 is [blank] or uses a not value. (262 and 279)

Rule 2: Cannot have a common not value and another value at the same time. (219)

Rule 3: Vehicle Injury Indicators should exist when possible injury is 'Yes' and there is a vehicle involved. (226)

Purpose of Collection/Associated Performance Measures

Trauma Response HITS

Data Element Comment

Added additional mechanism or risk indicators based on CDC Field Triage Decision Scheme Steps 3.

State

eInjury.05 - Main Area of the Vehicle Impacted by the Collision

Definition			
The area or location of initial impact on the vehicle based on 12-point clock diagram.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	E10_05	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

N/A

Constraints

Data Type	minValue	maxValue
Integer	1	12

Validation Rule Trigger(s)

Rule 1: When Main Area of the Vehicle Impacted by the Collision is [blank] or is a not value **AND** eDisposition.12 indicates patient contact **AND** eInjury.01 indicates a MVC. (225)

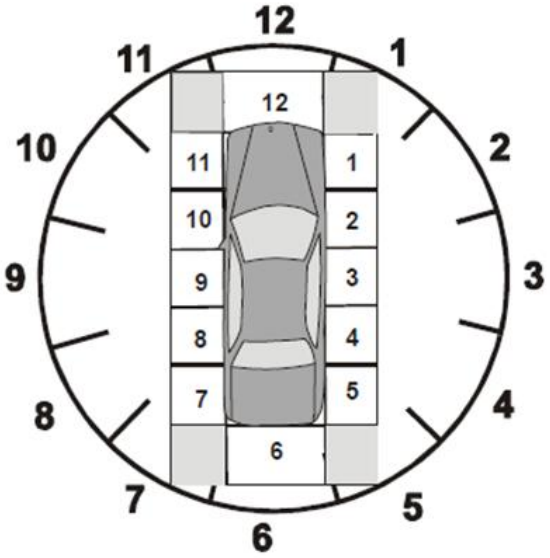
Rule 2: For Vehicular Injury Indicators common null values and another value cannot be selected at the same time. (218)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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



State

eInjury.06 - Location of Patient in Vehicle

Definition			
The seat and row location of the patient in the vehicle at the time of the crash.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	E10_06	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Code List

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

Validation Rule Trigger(s)

Rule 1: When the location of the Patient in the Vehicle is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eInjury.01 indicates a MVC. (pend.)

Purpose of Collection/Associated Performance Measures

Trauma Response HITS

Data Element Comment

MMUCC P6 data element

State

eInjury.07 - Use of Protective Devices/Safety Equipment

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E10_08	Is Nillable	Yes
Usage	Required	Recurrence	0 : M

Attributes

Not Values

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

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2907001	Child Booster Seat
2907003	Eye Protection
2907005	Helmet Worn
2907007	Infant Car Seat Forward Facing
2907009	Infant Car Seat Rear Facing
2907011	Lap Belt With Shoulder Belt
2907013	Lap Belt Without Shoulder Belt
2907015	None
2907017	Other
2907019	Personal Floatation Device
2907021	Protective Clothing
2907023	Protective Non-Clothing Gear
2907025	Shoulder Belt

Validation Rule Trigger(s)

Rule 1: When Use of Occupant Safety Equipment is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eInjury.01 indicates a MVC. (222)

Rule 2: Cannot have a common not value and another value at the same time. (237)

Rule 3: The use of "Other" must be minimal or the EMS agency should contact OEMS to receive an interpretation of the other safety equipment being used or have the additional item added to the State system. (1157)

Purpose of Collection/Associated Performance Measures

Trauma Response HITS

Data Element Comment

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

State

eInjury.08 - Airbag Deployment

Definition			
Indication of airbag deployment.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	E10_09	Is Nillable	Yes*
Usage	Required	Recurrence	0 : M

Attributes

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
2908001	Airbag Deployed Front
2908003	Airbag Deployed Side
2908005	Airbag Deployed Other (knee, Air belt, etc.)
2908007	No Airbag Deployed
2908009	No Airbag Present
2908011	Other

Validation Rule Trigger(s)

Rule 1: When Airbag Deployment is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eInjury.01 indicates a MVC. (223)

Rule 2: Cannot have a common not value and another value at the same time. (227)

Purpose of Collection/Associated Performance Measures

Trauma Response HITS

Data Element Comment

MMUCC P8 data element used but Other added to include newer airbag devices. URL: http://www.mmucc.us/mmucctraining_old/lessons/occupant/seatingposition_files/seatingposition04.htm

State

eInjury.09 - Height of Fall (feet)

Definition			
The distance in feet the patient fell, measured from the lowest point of the patient to the ground.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No
Version 2 Element	E10_10	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

N/A

Constraints

Data Type	minLength	maxLength
Integer	0	12

Validation Rule Trigger(s)

Rule 1: When Height of Fall is [blank] or uses a not value and eDisposition.12 indicates patient contact AND eInjury.01 indicates a Fall. (263)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Classify same level falls as 0 feet

DRAFT

National	State

eArrest.01 - Cardiac Arrest Indicator

Definition

Indication of the presence of a cardiac arrest at any time.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3001001	No
3001003	Yes, Prior to EMS Arrival
3001005	Yes, After EMS Arrival

Validation Rule Trigger(s)

Rule 1: When the Cardiac Arrest Incident is [blank] or is a not value. (166)

Rule 2: When eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest **AND** the Cardiac Arrest Indicator is [blank], or a not value OR is No. (183)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

DRAFT

National	State

eArrest.02 - Cardiac Arrest Etiology

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3002001	Cardiac (Presumed)
3002003	Drowning/Submersion
3002005	Drug Overdose
3002007	Electrocution
3002009	Exsanguination
3002011	Other (Not Listed)
3002013	Respiratory/Asphyxia
3002015	Trauma

Validation Rule Trigger(s)

Rule 1: When eArrest.01 is a Yes response **AND** Cardiac Arrest Etiology is [blank] or a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest. (167)

Rule 3: The use of "Other" cardiac arrest etiology must be minimal or the EMS agency should contact OEMS to receive an interpretation of etiology type or have the additional etiology added to the State system. (1159)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

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

National	State

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.)

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

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

Validation Rule Trigger(s)

Rule 1: When Resuscitation Attempted by EMS is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest. (168)

Rule 2: Cannot choose a not value and a valid resuscitation entry at the same time. (1202)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

National	State

eArrest.04 - Arrest Witnessed By

Definition

Indication of who the cardiac arrest was witnessed by.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

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

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 OR eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.04 is [blank] or uses a not value. (pend.)
Rule 2: Cannot choose a not value and other valid response at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

DRAFT

National	State

eArrest.05 - CPR Care Provided Prior to EMS Arrival

Definition
Documentation of the CPR provided prior to EMS arrival.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 **OR** eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.05 is [blank] or uses a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

DRAFT

State

eArrest.06 - Who Provided CPR Prior to EMS Arrival

Definition			
Documentation of who performed CPR prior to this EMS unit's arrival.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	No
Version 2 Element		Is Nillable	No
Usage	Required	Recurrence	0 : M

Attributes

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3006001	Family Member
3006003	First Responder (Fire, Law, EMS)
3006005	Healthcare Professional (Non-EMS)
3006007	Lay Person (Non-Family)
3006009	Other EMS Professional (not part of dispatched response)

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 OR eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.05 is 9923003/ Yes **AND** eArrest.06 is [blank] or uses a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Associated with eArrest.05 (CPR Care Provided Prior to EMS Arrival) but only required if CPR was provided prior to EMS arrival.

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

DRAFT

National	State

eArrest.07 - AED Use Prior to EMS Arrival

Definition

Documentation of AED use Prior to EMS Arrival

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 **OR** eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.07 is [blank] or uses a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

DRAFT

State

eArrest.08 - Who Used AED Prior to EMS Arrival

Definition			
Documentation of who used the AED prior to this EMS unit's arrival.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element		Is Nillable	Yes*
Usage	Required	Recurrence	0 : M

Attributes

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3008001	Family Member
3008003	First Responder (Fire, Law, EMS)
3008005	Healthcare Professional (Non-EMS)
3008007	Lay Person (Non-Family)
3008009	Other EMS Professional (not part of dispatched response)

Validation Rule Trigger(s)

Rule 1: When eArrest.07 equals 3007003/Yes, Applied without Defibrillation or 3007005/Yes, With Defibrillation **AND** eArrest.08 is [blank]. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Associated with eArrest.07 (AED Use Prior to EMS Arrival).

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

National	State

eArrest.09 - Type of CPR Provided

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3009001	Compressions-Continuous
3009003	Compressions-External Band Type Device
3009005	Compressions-External Plunger Type Device
3009007	Compressions-External Thumper Type Device
3009009	Compressions-Intermittent with Ventilation
3009011	Compressions-Other Device (Not Listed)
3009013	Ventilation-Bag Valve Mask
3009015	Ventilation-Impedance Threshold Device
3009017	Ventilation-Mouth to Mouth
3009019	Ventilation-Pocket Mask

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 OR eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.03 includes 3003005/Initiated Chest Compressions **AND** eArrest.10 is [blank] or uses a not value. (pend.)

Rule 2: Cannot choose a not value and a CPR type(s) at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

Added to capture special CPR techniques.

National	State

eArrest.10 - Therapeutic Hypothermia Initiated

Definition			
Documentation of EMS initiation of therapeutic hypothermia.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 **OR** eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.10 is [blank] or uses a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

DRAFT

National	State

eArrest.11 - First Monitored Arrest Rhythm of the Patient

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3011001	Asystole
3011003	Bradycardia
3011005	PEA
3011007	Unknown AED Non-Shockable Rhythm
3011009	Unknown AED Shockable Rhythm
3011011	Ventricular Fibrillation
3011013	Ventricular Tachycardia-Pulseless

Validation Rule Trigger(s)

Rule 1: When the First Monitored Arrest Rhythm of the Patient is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression OR eSituation.12/Provider's Secondary Impression indicates a cardiac arrest **AND** eProcedures.03 indicates cardiac monitoring **AND** eArrest.10 is yes. (244)

Purpose of Collection/Associated Performance Measures

Data Element Comment

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

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

National	State

eArrest.12 - Any Return of Spontaneous Circulation

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

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

Validation Rule Trigger(s)

Rule 1: When Any Return of Spontaneous of Circulation is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest **AND** eArrest.03 is 3003001/Attempted Defibrillation or 3003003/Attempted Ventilation or 3003005/Initiated Chest Compression **AND** eArrest.12 is yes. (270)
Rule 2: Cannot choose not value and other valid answer at the same time. (1203)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

This element needs to be documented when the patient has been in cardiac 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

National	State

eArrest.14 - Date/Time of Cardiac Arrest

Definition			
The date/time of the cardiac arrest (if not known, please estimate).			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: Cardiac Arrest date/time is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest. (192)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

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

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

DRAFT

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

DRAFT

State

eArrest.15 - Date/Time Resuscitation Discontinued

Definition			
The date/time the CPR was discontinued (or could be time of death).			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E11_09	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not value

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

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 indicates patient contact **AND** eSituation.11 OR eSituation.12 includes an ICD-10_CM code indicating cardiac arrest **AND** eArrest.16 is 3016001/DDNR/DNR Other or 3016003/Medical Control Order or 3016007/Physically Unable to Perform or 3016009/Protocol/Policy Requirements Completed or 3016011/Return of Spontaneous Circulation (pulse or B/P noted **AND** eArrest.15 is [blank] or uses a Not value. (pend.)

Rule 2: eArrest.15 must be greater than eTimes.06/Unit Arrived on Scene Date/Time. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

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

DRAFT

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

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

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

DRAFT

National	State

eArrest.16 - Reason CPR/Resuscitation Discontinued

Definition

The reason that CPR or the resuscitation efforts were discontinued by this unit. Do not include layperson or first responder CPR efforts.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E11_10	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3016001	DDNR/DNR Other/POST Orders
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)

Validation Rule Trigger(s)

Rule 1: When Reason CPR/Resuscitation Discontinued is [blank] or is 7701003/Not Recorded. **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest. (191)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

Added Resuscitation to Title to allow better documentation of disposition.
Published:

National	State

eArrest.17 - Cardiac Rhythm on Arrival at Destination

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E11_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901031	Other (Not Listed)
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia

9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation
9901069	Ventricular Tachycardia (With Pulse)
9901071	Ventricular Tachycardia (Pulseless)

Validation Rule Trigger(s)

Rule 1: When the First Monitored Arrest Rhythm of the Patient is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest **AND** eProcedures.03 indicates cardiac monitoring **AND** eArrest.10 is yes. (193)

Rule 2: The use of "Other" cardiac rhythm on arrival at destination must be minimal or the EMS agency should contact OEMS to receive an interpretation of the rhythm type or have the additional rhythm added to the State system. (1160)

Rule 3: Cannot choose a not value and a valid ECG rhythm at the same time. (1204)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

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: Cardiac Rhythm. ST segment changes consistent (or not consistent) with STEMI criteria should be documented as ischemia in the appropriate location

DRAFT

National	State

eArrest.18 - EMS Cardiac Arrest Event Outcome

Definition

The patient's outcome at the end of the EMS event (or best approximation).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3018001	Expired in ED
3018003	Expired in the Field
3018005	Ongoing Resuscitation in ED

Validation Rule Trigger(s)

Rule 1: When End of EMS Cardiac Arrest Event is [blank] or uses a not value **AND** eDisposition.12 indicates patient contact **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression indicates a cardiac arrest **AND** eArrest.03 equals 3003001/Attempted Defibrillation or 3003003/Attempted Ventilation or 3003005/Initiated Chest Compressions. (pend.)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest

Data Element Comment

A resuscitation event is deemed to have ended when death is declared or spontaneous circulation is restored and sustained for 20 minutes or longer.

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

DRAFT

National	State

eHistory.01 - Barriers to Patient Care

Definition

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

Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	E12_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3101001	Cultural, Custom, Religious
3101003	Developmentally Impaired
3101005	Hearing Impaired
3101007	Language
3101009	None Noted [Default]
3101011	Obesity
3101013	Physical Barrier (Unable to Access Patient)
3101015	Physically Impaired
3101017	Physically Restrained
3101019	Psychologically Impaired
3101021	Sight Impaired
3101023	Speech Impaired
3101025	Unattended or Unsupervised (including minors)
3101027	Unconscious
3101029	Uncooperative

Validation Rule Trigger(s)

Rule 1: Cannot have a common not value and another value at the same time. (126)
Rule 2: When Barriers to Patient Care is [blank]. (169)

Purpose of Collection/Associated Performance Measures

Data Element Comment

State

eHistory.08 - Medical/Surgical History

Definition

The patient's pre-existing medical and surgery history of the patient.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E12_10	Is Nillable	Yes
Usage	Required	Recurrence	0 : M

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801015 - None Reported 8801021 - Unresponsive
8801019 - Refused

Correlation ID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

([A-QSZ][0-9]{2})((\.[0-9A-Z]{1,3})?)

Validation Rule Trigger(s)

Rule 1: When Medical/Surgical History is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit. (265)
Rule 2: When any one or more patient history items are noted **AND** any not value or pertinent negative is given. (240 or pend.)
Rule 3: When any two or more not values or pertinent negatives or combination of not values and pertinent negatives are given at the same time. (1161 – 1164 and 1166)
Rule 4: When a pertinent negative and a not value are given at the same time. (1167)
Rule 5: When a pertinent negative and a positive response are given at the same time. (1168)
Rule 6: Cannot have two types of no PMH or unknown PMH at the same time. (Denies PMH) (1169)
Rule 7: Cannot have two types of PMH or unknown PMH at the same time. (parent denies) (1170)
Rule 8: Cannot have two types of PMH or unknown PMH at the same time. (Unable) (1171)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Code list is represented by ICD-10-CM: Factors influencing health status and contact with health services (Z78.0 – Z99.89).
ICD-10-CM
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

DRAFT

State

eHistory.12 - Current Medications

Definition			
The medications the patient currently takes.			
Validation Rule in Place	No	Pertinent Negatives	Yes
Validation Rule Score		Not Values	Yes
Version 2 Element	E12_14	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Pertinent Negatives

8801023-Unable to Complete 8801015 - None Reported 8801021 - Unresponsive
8801019 - Refused

Constraints

Data Type	minValue	maxValue
String	2	7

Validation Rule Trigger(s)

Rule 1: Cannot have a common not value and another value at the same time. (241)

Purpose of Collection/Associated Performance Measures

Data Element Comment

List of medications based on RxNorm (RXCUI) code. See suggested NEMSIS list of medication codes.

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

Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

DRAFT

State

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.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-1/-5	Not Values	Yes
Version 2 Element	E12_19	Is Nillable	No*
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to complete 8801015 - None Reported 8801019 - Refused

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3117001	Alcohol Containers/Paraphernalia at Scene
3117003	Drug Paraphernalia at Scene
3117005	Patient Admits to Alcohol Use
3117007	Patient Admits to Drug Use
3117009	Positive Level known from Law Enforcement or Hospital Record
3117011	Smell of Alcohol on Breath

Validation Rule Trigger(s)

Rule 1: When Alcohol/Drug Use Indicators is [blank] or uses a not recorded **AND** the Incident/Patient Disposition indicates treatment was provided **AND** the patient is greater than 17 years old. (170)

Rule 2: When a positive use value is given for Alcohol/Drug Use Indicators **AND** any not value or pertinent negative is given. (1177)

Rule 3: When any two or more not values or pertinent negatives or combination of not values and pertinent negatives are given at the same time. (1178 -1184)

Rule 4: When Alcohol/Drug Use is answered with "None" cannot have a not value at the same time. (1142)

Purpose of Collection/Associated Performance Measures

Trauma

Data Element Comment

DRAFT

State

eNarrative.01 - Patient Care Report Narrative

Definition			
The narrative of the patient care report (PCR) is required for all ePCR submissions.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E13_01	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	1	10000

Validation Rule Trigger(s)

Rule 1: When the Patient Care Narrative Report is [blank] or is a not value **AND** eDisposition.12 indicates patient care was provided. (1115)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eVitals.01 - Date/Time Vital Signs Taken

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	E14_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Date Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When the Vital Sign date/time is [blank] or a not value. (231)

Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Vital Signs Taken. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

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

Definition

Indicates that the information which is documented was obtained prior to the documenting EMS units care.

Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	E14_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901031	Other (Not Listed)
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia

9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation
9901069	Ventricular Tachycardia (With Pulse)
9901071	Ventricular Tachycardia (Pulseless)

Validation Rule Trigger(s)

Rule 1: The use of "Other" cardiac rhythm must be minimal or the EMS agency should contact OEMS to receive an interpretation of the rhythm type or have the additional rhythm added to the State system. (1174)
Rule 2: Cannot choose not value and a valid ECG rhythm at the same time. (1205)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest STEMI

Data Element Comment

DRAFT

National	State

eVitals.04 - ECG Type

Definition

The type of ECG associated with the cardiac rhythm.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3304001	3 Lead
3304003	4 Lead
3304005	5 Lead
3304007	12 Lead-Left Sided (Normal)
3304009	12 Lead-Right Sided
3304011	15 Lead
3304013	18 Lead
3304015	Other (Not Listed)

Validation Rule Trigger(s)

Rule 1: The use of "Other" ECG type must be minimal or the EMS agency should contact OEMS to receive an interpretation of the ECG type or have the additional ECG type added to the State system. (pend.)

Rule 2: When eVitals.03 indicates and ECG rhythm **AND** ECG type is missing or contains a not value. (pend.)

Purpose of Collection/Associated Performance Measures

STEMI

Data Element Comment

DRAFT

National	State

eVitals.05 - Method of ECG Interpretation

Definition

The method of ECG interpretation. The EMS provider should document the method of interpretation used to determine what the ECG rhythm is. More than one choice can be made, but only choose the method or methods used to decide what the rhythm is.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3305001	Computer Interpretation
3305003	Manual Interpretation
3305005	Transmission with No Interpretation
3305007	Transmission with Remote Interpretation

Validation Rule Trigger(s)

Rule 1: When Method of ECG Interpretation is [blank] or uses a not value **AND** eVitals.03/Cardiac Rhythm has a valid rhythm documented. (pend.)

Rule 2: Cannot have a common not value and another value at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

STEMI

Data Element Comment

"Transmission with no interpretation" may be used by EMS Agency Personnel that are not trained to interpret cardiac rhythms.

DRAFT

National	State

eVitals.06 - SBP (Systolic Blood Pressure)

Definition

The patient's systolic blood pressure.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

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

Constraints

Data Type	minValue	MaxValue
Integer	0	500

Validation Rule Trigger(s)

Rule 1: The SBP is out of acceptable range; SBP must be within acceptable range (0 – 300). (299)
Rule 2: At least one SBP must be reported. (1143)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Required for ACS-Field Triage and other patient scoring systems.

DRAFT

State

eVitals.07 - DBP (Diastolic Blood Pressure)

Definition

The patient's diastolic blood pressure.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_05	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Pertinent Negatives

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

Constraints

Patterns

[5][0][0]|[1-4][0-9][0-9]|[0]|[1-9][0-9]|P|p

Validation Rule Trigger(s)

Rule 1: Diastolic B/P must be within acceptable range (0 – 299) or “P”. (1186)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eVitals.08 - Method of Blood Pressure Measurement

Definition

Indication of method of blood pressure measurement.

Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score		Not Values	Yes
Version 2 Element	E14_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3308001	Arterial Line
3308003	Doppler
3308005	Cuff-Automated
3308007	Cuff-Manual Auscultated
3308009	Cuff-Manual Palpated Only
3308011	Venous Line

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eVitals.10 - Heart Rate

Definition

The patient's heart rate expressed as a number per minute.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

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

Constraints

Data Type	minValue	maxValue
Integer	0	500

Validation Rule Trigger(s)

Rule 1: When the heart rate is out of acceptable range. The heart rate must be within 0 – 300. (301)
Rule 2: A pulse rate is required to be reported. (1144)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Pulse Rate and Electronic Monitor Rate have been merged with an additional data element for Method of Heart Rate Measurement.

DRAFT

National	State

eVitals.12 - Pulse Oximetry

Definition

The patient's oxygen saturation.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_09	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

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

Constraints

Date Type	minValue	maxValue
Integer	0	100

Validation Rule Trigger(s)

Rule 1: When Pulse Oximetry is [blank] or uses a not value **AND** eProcedures.03 indicates a pulse ox was used. (pend)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

eVitals.14 - Respiratory Rate

Definition

The patient's respiratory rate expressed as a number per minute.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

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

Constraints

Data Type	minValue	maxValue
Integer	0	300

Validation Rule Trigger(s)

Rule 1: When Respiratory Rate is [blank] **AND** eDisposition.12 is treated and transported. (1145)

Rule 2: When the respiratory rate is out of acceptable range. The respiratory rate must be within acceptable range (0 – 200). (304)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

DRAFT

State

eVitals.15 - Respiratory Effort

Definition			
The patient's respiratory effort.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	E14_12	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

n/a

Code List

Code List	Description
3315001	Apneic
3315003	Labored
3315005	Mechanically Assisted (BVM, CPAP, etc.)
3315007	Normal
3315009	Rapid
3315011	Shallow
3315013	Weak/Agonal

Validation Rule Trigger(s)

Rule 1: When Respiratory Effort is [blank] **AND** eDisposition.12 is treated and transported. (1146)

Purpose of Collection/Associated Performance Measures

Data Element Comment

National	State

eVitals.16 - Carbon Dioxide (CO2)

Definition

The patient's end-tidal or other CO2 level.

Validation Rule in Place	No	Pertinent Negatives	Yes
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	E14_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negative

8801023 - Unable to Complete 8801019 - Refused

Constraints

Date Type	minValue	maxValue
Integer	0	100

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

eVitals.18 - Blood Glucose Level

Definition			
The patient's blood glucose level.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	0	Not Values	Yes
Version 2 Element	E14_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Constraints

Data Type	minValue	maxValue
Integer	0	2000

Validation Rule Trigger(s)

Rule 1: When the Blood Glucose Level is [blank] **AND** eProcedures.03 indicates a blood glucose was obtained. (1187)

Rule 2: When blood glucose is given it must be between 0 – 2000. (1188)

Purpose of Collection/Associated Performance Measures

Pediatric Stroke

Data Element Comment

DRAFT

National	State

eVitals.19 - Glasgow Coma Score - Eye

Definition

The patient's Glasgow Coma Score eye opening.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Code List

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

Validation Rule Trigger(s)

Rule 1: When GCS Eye is [blank] or uses a not value **AND** eDisposition.12 indicates the patient was transport by this EMS Unit. (pend.)

Rule 2: Cannot have a common not value and another value at the same time. (pend.)

Rule 3: When any two or more not values or pertinent negatives or combination of not values and pertinent negatives are given at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

eVitals.20 - Glasgow Coma Score - Verbal

Definition

The patient's Glasgow Coma Score verbal.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Code List

Code List	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

Validation Rule Trigger(s)

Rule 1: When GCS Verbal is [blank] or uses a not value **AND** eDisposition.12 indicates the patient was transport by this EMS Unit. (pend.)

Rule 2: Cannot have a common not value and another value at the same time. (pend.)

Rule 3: When any two or more not values or pertinent negatives or combination of not values and pertinent negatives are given at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

National	State

eVitals.21 - Glasgow Coma Score - Motor

Definition

The patient's Glasgow Coma Score motor.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_17	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Code List

Code List	Description
1	No Motor Response (All Age Groups)
2	Extension to pain (All Age Groups)
3	Flexion to pain (All Age Groups)
4	Withdrawal from pain (All Age Groups)
5	Localizing pain (All Age Groups)
6	Obeys commands (>2Years); Appropriate response to stimulation

Validation Rule Trigger(s)

Rule 1: When GCS Motor is [blank] or uses a not value **AND** eDisposition.12 indicates the patient was transport by this EMS Unit. (pend.)

Rule 2: Cannot have a common not value and another value at the same time. (pend.)

Rule 3: When any two or more not values or pertinent negatives or combination of not values and pertinent negatives are given at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

National	State

eVitals.22 - Glasgow Coma Score - Qualifier

Definition

Documentation of factors which make the GCS scores more meaningful.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_18	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

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

Validation Rule Trigger(s)

Rule 1: When GCS Qualifier is [blank] or uses a not value **AND** eVitals.19/GCS Eye does not contain a not value or pertinent negative. (pend.)
Rule 2: When GCS Qualifier is [blank] or uses a not value **AND** eVitals.19/GCS Verbal does not contain a not value or pertinent negative. (pend.)
Rule 3: When GCS Qualifier is [blank] or uses a not value **AND** eVitals.19/GCS Motor does not contain a not value or pertinent negative. (pend.)
Rule 4: Cannot have a common not value and another value at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

State

eVitals.23 - Total Glasgow Coma Score

Definition			
The patient's total Glasgow Coma Score.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_19	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Constraints

Data Type	minValue	maxValue
Integer	3	15

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Can be documented or calculated from eVitals.19 (GCS-Eye), eVitals.20 (GCS-Verbal), and eVitals.21 (GCS-Motor).

DRAFT

National	State

eVitals.26 - Level of Responsiveness (AVPU)

Definition

The patient's highest level of responsiveness.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_22	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3326001	Alert
3326003	Verbal
3326005	Painful
3326007	Unresponsive

Validation Rule Trigger(s)

Rule 1: When Level of Responsiveness is [blank] or uses a not value and edisposition.12 indicates patient contact. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definition changed to indicate highest level of responsiveness.

DRAFT

National	State

eVitals.27 - Pain Score

Definition			
The patient's indication of pain from a scale of 0-10.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E14_23	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 – Refused

Constraints

Data Type	minValue	maxValue
Integer	0	10

Validation Rule Trigger(s)

Rule 1: When the Pain Score is [blank], uses a not value or pertinent negative **AND** eSituation.11/Provider's Primary Impression indicates an injury or other complaint with pain. (1189)

Rule 2: When the Pain Score is [blank], uses a not value or pertinent negative **AND** eSituation.12/Provider's Secondary Impression indicates an injury or other complaint with pain. (1190)

Rule 2: When the Pain Score is [blank], uses a not value or pertinent negative **AND** eMedications.03 indicates the use of an analgesic. (1191)

Purpose of Collection/Associated Performance Measures

Pediatric STEMI Trauma

Data Element Comment

DRAFT

National	State

eVitals.29 - Stroke Scale Score

Definition

The patient's Stroke Scale results.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E14_24	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Code List

Code List	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

Validation Rule Trigger(s)

Rule 1: When at least one Stroke Scale Score is not reported **AND** eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression is stroke or TIA **AND** eSituation.05 is ≤ 3 **AND** eSituation.06 is hours OR eSituation.05 is ≤ 180 **AND** eSituation.06 is minutes. (278)

Purpose of Collection/Associated Performance Measures

Stroke

Data Element Comment

DRAFT

National	State

eVitals.30 - Stroke Scale Type

Definition

The type of stroke pain scale used.

Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3330001	Cincinnati
~~3330003~~	~~Los Angeles~~
~~3330005~~	~~Massachusetts~~
~~3330007~~	~~Miami Emergency Neurologic Deficit (MEND)~~
3330009	NIH
~~3330011~~	~~Other Stoke Scale Type~~

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

Stroke

Data Element Comment

Added to include additional detail on the stroke scale used.

DRAFT

National	State

eVitals.31 - Reperfusion Checklist

Definition			
The results of the patient's reperfusion checklist for potential thrombolysis use.			
Validation Rule in Place	No	Pertinent Negatives	Yes
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	E14_25	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801019 - Refused

Code List

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

Validation Rule Trigger(s)

Purpose of Collection/Associated Performance Measures

STEMI Stroke

Data Element Comment

Name changed from Thrombolytic Screen

DRAFT

State

eVitals.32 - APGAR

Definition			
The patient's total APGAR score (0-10).			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	No
Version 2 Element	E14_26	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Pertinent Negatives
8801023 - Unable to Complete

Constraints

Data Type	minValue	MaxValue
Integer	0	10

Validation Rule Trigger(s)

Rule 1: When eSituation.11/Provider's Primary Impression **OR** eSituation.12/Provider's Secondary Impression is child birth **AND** eVitals.32/APGAR is a not value or is [blank]. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Recommended to be taken at 1 and 5 minutes after the infants birth

DRAFT

State

eExam.01 - Estimated Body Weight in Kilograms

Definition			
The patient's body weight in kilograms either measured or estimated.			
Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E16_01	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Pertinent Negatives

8801023 - Unable to Complete

Constraints

Date Type	totalDigits	minValue	maxValue	fractionDigits
Decimal	4	0.1	999.9	1

Validation Rule Trigger(s)

Rule 1: When any medication is given (eMedication.03) **AND** the patient is eight years old or younger (ePatient.15) **AND** eExam.01 is [blank] or uses a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Pediatric

Data Element Comment

DRAFT

State

eExam.04 - Skin Assessment

Definition

The assessment findings associated with the patient's skin.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	No
Version 2 Element	E16_04	Is Nillable	No
Usage	Required	Recurrence	0 : M

Attributes

Pertinent Negatives

8801005 - Exam Finding Not Present

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3504001	Clammy
3504003	Cold
3504005	Cyanotic
3504007	Diaphoretic
3504009	Dry
3504011	Flushed
3504013	Hot
3504015	Jaundiced
3504017	Lividity
3504019	Mottled
3504021	Normal
3504023	Not Done
3504025	Pale
3504027	Poor Turgor
3504029	Red (Erythematous)
3504031	Tenting
3504033	Warm

Validation Rule Trigger(s)

Rule 1: When the Skin Assessment is [blank] or uses a not value **AND** eDisposition.12 indicates the patient was treated. (1192)

Rule 2: The use of "not done" in the skin assessment element must be minimal. (1193)

Purpose of Collection/Associated Performance Measures

National	State

eProtocols.01 - Protocols Used

Definition			
The primary protocol used by EMS personnel to direct the clinical care of the patient.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E17_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9914001	Airway
9914003	Airway - Failed
9914005	Airway - Obstruction/Foreign Body
9914007	Airway - Rapid Sequence Induction (RSI – Paralytic)
9914009	Airway - Sedation Assisted (Non – Paralytic)
9914011	Cardiac Arrest - Asystole
9914013	Cardiac Arrest – Hypothermia - Therapeutic
9914015	Cardiac Arrest – Pulseless Electrical Activity
9914017	Cardiac Arrest – Ventricular Fibrillation/Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest – Post Resuscitation Care
9914021	Environmental – Altitude Sickness
9914023	Environmental – Cold Exposure
9914025	Environmental – Frostbite/Cold Injury
9914027	Environmental – Heat Exposure/Heat Exhaustion
9914029	Environmental – Heat Exposure/Heat Stroke
9914031	Environmental - Hypothermia
9914033	Exposure – Airway/Inhalation Irritants
9914035	Exposure – Biological/Infectious
9914037	Exposure – Blistering Agents
9914039	Exposure – Carbon Monoxide/Smoke Inhalation
9914041	Exposure – Chemicals to Eye(s)
9914043	Exposure - Cyanide
9914045	Exposure – Explosive/Blast Injury
9914047	Exposure – Nerve Agents
9914049	Exposure – Radiologic Agent
9914051	General - Back Pain
9914053	General – Behavioral/Patient Restraint
9914055	General – Cardiac Arrest
9914057	General - Dental
9914059	General – Epistaxis

9914061	General – Fever
9914063	General – Individualized Patient Protocol
9914065	General – Indwelling Medical Device/Equipment
9914067	General – IV Access
9914069	General – Medical Device Malfunction
9914071	General – Pain Control
9914073	General – Spinal Immobilization/Clearance
9914075	General – Universal Patient Care/Initial Patient Contact
9914077	Injury – Amputation
9914079	Injury – Bites and Envenomation - Land
9914081	Injury – Bites and Envenomation – Marine
9914083	Injury – Bleeding/Hemorrhage Control
9914085	Injury – Burns – Thermal
9914087	Injury – Cardiac Arrest
9914089	Injury – Crush Syndrome
9914091	Injury – Diving Emergencies
9914093	Injury – Drowning/Near Drowning
9914095	Injury – Electrical Injuries
9914097	Injury – Extremity
9914099	Injury – Eye
9914101	Injury – Head
9914103	Injury – Impaled Object
9914105	Injury – Multisystem
9914107	Injury – Spinal Cord Injury
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	Medical – Overdose/Poisoning/Toxic Ingestion
9914137	Medical – Pulmonary Edema/CHF
9914139	Medical – Respiratory Distress/Asthma/COPD/Croup/Reactive Airway
9914141	Medical – Seizure
9914143	Medical – ST Elevation Myocardial Infarction (STEMI)
9914145	Medical – Stroke/TIA
9914147	Medical – Supraventricular Tachycardia (including Atrial Fibrillation)
9914149	Medical – Syncope
9914151	Medical – Ventricular Tachycardia with Pulse
9914153	Not Done
9914155	OB/GYN – Childbirth/Labor/Delivery
9914157	OB/GYN – Eclampsia

9914159	OB/GYN – Gynecological Emergencies
9914161	OB/GYN – Pregnancy Related Emergencies
9914163	OB/GYN – Post-partum Hemorrhage
9914165	Other

Validation Rule Trigger(s)

Rule 1: When the use of "Other Protocol" is documented the validation rule will be triggered. The EMS agency needs contact OEMS to have the additional protocol added to the State system. (pend.)
Rule 2: When the Protocol Used is [blank] or uses a not value **AND** eDisposition.12 indicates treatment was provided. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The national standard only allows for a single choice of protocols used. It is understood that the treatment provided may be directed by more than one protocol. The EMS provider should document the primary protocol used to direct care just as they would identify a chief complaint when more than one complaint exist.

e.g. when choosing whether to document the protocol used in a patient with chest pain and difficulty breathing. Frequently the protocol followed is the cardiac – chest pain protocol because the difficulty breathing is assumed to be caused by the cardiac disorder. A patient that is young with a history asthma or has been febrile with a productive cough may have chest pain, but instead the primary protocol used is the respiratory protocol.

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

Agencies needing additional protocols added to the VPHIB system should submit a request via the VPHIB Support Suite to ensure uniform use through the Commonwealth. OEMS will make the final determination of the protocol name.

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

DRAFT

National	State

eProtocols.02 - Protocol Age Category

Definition

The age group the protocol is written to address.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3602001	Adult Only
3602003	General
3602005	Pediatric Only

Validation Rule Trigger(s)

Rule 1: When Protocol Age Category is [blank] or a not value and eProtocol.01 notes the protocol used. (pend.)

Rule 2: When the use of "Other Protocol Age Category" is documented the validation rule will be triggered. The EMS agency needs contact OEMS to have the additional protocol added to the State system. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN. - There is a new data element to indicate whether the protocol is Adult, Pediatric, or General (both).

DRAFT

National	State

eMedications.01 - Date/Time Medication Administered

Definition

The date/time medication administered to the patient.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When the Date/Time Medication Administered is [blank] or a not value **AND** eMedications.03 **OR** eMedications.05 **OR** eMedications.06 OR eMedications.07 **OR** eMedications.08 **OR** eMedications.09 **OR** eMedications.10 **OR** eMedicaltions.11 contain an indication that a medication was given. (pend.)
Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient> **AND** eMedications.02 is not yes. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

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

DRAFT

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

DRAFT

National	State

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E18_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When Medication Administered Prior to this Unit's EMS Care is [blank] or a not value **AND** eMedications.03 indicates a medication was administered. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

eMedications.03 - Medication Given

Definition

The medication given to the patient.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives

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

Constraints

Data Type	minLength	maxLength
String	2	7

Validation Rule Trigger(s)

Rule 1: Medication name is [blank], other, or a not value when there is a valid dose documented. (285)
Rule 2: States a medication was not given, the admin. route should be not applicable. (1129)
Rule 3: Record states a medication was not given, the dosage units should be a not value. (1130)
Rule 4: When the record states a medication was not given, the response to medication should be a not value. (1131)
Rule 5: When record states a medication was not given, medication complication should be a not value. (1132)
Rule 6: When the use of "Other Medication" is documented for the administration of a medication by EMS it will trigger an error rule asking the agency to contact OEMS to have the medication added to the system. (1136)
Rule 7: Cannot have a common not value and another value at the same time. (196)
Rule 8: Cannot have a medication name & a not value at the same time. (1208)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

See the Virginia specific list of medications on-line by accessing the following list:
eMedications_03_Virginia_Medication_Given_List_2_1_12

DRAFT

State

eMedications.04 - Medication Administration Route

Definition			
The route used to administer medication to patient.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_04	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3704001	Endotracheal Tube
3704003	Gastrostomy Tube
3704005	Inhalation
3704007	Intraarterial
3704009	Intramuscular
3704011	Intranasal
3704013	Intraocular
3704015	Intraosseous
3704017	Intravenous
3704019	Nasal
3704021	Nasal Prongs
3704023	Nasogastric
3704025	Nasotracheal Tube
3706027	Ophthalmic
3706029	Oral
3706031	Other/miscellaneous
3706033	Otic
3706035	Re-breather Mask
3706037	Rectal
3706039	Subcutaneous
3706041	Sublingual
3706043	Topical
3706045	Tracheostomy
3706047	Transdermal
3706049	Urethral
3706051	Venturi Mask
3706053	Wound

Validation Rule Trigger(s)

Rule 1: When the Medication Administration field is [blank] or uses a not value **AND** eMedication.03/Medication Name contains a valid medication entry **AND** eMedications.02 is not yes. (286)

Purpose of Collection/Associated Performance Measures

Data Element Comment

This medication route list represents a sub-group of values from the Data Elements for Emergency Department Systems (DEEDS), pertaining to prehospital care.

DEEDS Version 1.0 was utilized for this list: http://www.cdc.gov/ncipc/pub-res/pdf/deeds.pdf. The list can be found on page 152 of 274 of the PDF document in Section 5, 5.13 Current Therapuetic Medication Route.

DRAFT

National	State

eMedications.05 - Medication Dosage

Definition

The dose or amount of the medication given to the patient.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	totalDigits	fractionDigits
Decimal	8	2

Validation Rule Trigger(s)

Rule 1: When the Medication Dosage field is [blank] or uses a not value **AND** eMedication.03/Medication Name contains a valid medication entry **AND** eMedications.02 is not yes. (1130)

Rule 2: States a medication was not given, the Medication Dosage should be not applicable. (1197)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eMedications.06 - Medication Dosage Units

Definition

The unit of medication dosage given to patient.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
3706001	Grams
3706003	Inches
3706005	International Units
3706007	Keep Vein Open (To Keep Open)
3706009	Liters
3706011	Liters Per Minute
3706013	MDI Puffs
3706015	Micrograms
3706017	Micrograms per Kilogram per Minute
3706019	Milliequivalents
3706021	Milligrams
3706023	Milligrams Per Kilogram Per Minute
3706025	Milliliters
3706027	Milliliters Per Hour
3706029	Other

Validation Rule Trigger(s)

Rule 1: When the Medication Dosage is [blank] or a not value **AND** eMedications.03 indicates a medication was given **AND** eMedications.02 is not yes. (287)

Rule 2: When eMedications.03 indicates a medicine was not given, the Medication Dosage should be not applicable. (1130)

Purpose of Collection/Associated Performance Measures

Data Element Comment

National	State

eMedications.07 - Response to Medication

Definition

The patient's response to the medication.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Validation Rule Trigger(s)

Rule 1: When the Response to Medication is [blank] or a not value **AND** eMedications.03 indicates a medication was given **AND** eMedications.02 is not yes. (288)

Rule 2: When eMedications.03 indicates a medicine was not given, the Medication Dosage should be not applicable. (1131)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eMedications.08 - Medication Complication

Definition

Any complication associated with the administration of the medication to the patient by EMS.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E18_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	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
3708027	Itching/Urticaria
3708029	Nausea
3708031	None [Default]
3708033	Other (Not Listed)
3708035	Respiratory Distress
3708037	Tachycardia
3708039	Tachypnea
3708041	Vomiting

Validation Rule Trigger(s)

Rule 1: When Medication Complication is [blank] or a not value **AND** eMedications.03 indicates a medication was given **AND** eMedications.02 is not yes. (289)

Rule 2: When eMedications.03 indicates a medicine was not given, Medication Complication should be not applicable. (1132)

Rule 3: Cannot choose a not value and valid complication at the same time. (1206)

Rule 4: Cannot have a valid medication complication & none at the same time. (1209)

National	State

eMedications.10 - Role/Type of Person Administering Medication

Definition

The type (level) of EMS or healthcare professional administering the medication.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9905001	~~2009 Advanced Emergency Medical Technician (AEMT)~~
9905003	~~2009 Emergency Medical Responder (EMR)~~
9905005	~~2009 Emergency Medical Technician~~
9905007	~~2009 Paramedic~~
9905009	EMT - Basic
9905011	EMT - Intermediate
9905013	EMT – Paramedic (Based on pre-2009 Curriculum)
9905015	First Responder
9905017	Nurse
9905019	Other Healthcare Professional
9905021	Other Non-Healthcare Professional
9905023	Patient/Lay Person
9905025	Physician
9905027	Respiratory Therapist
9905029	Student
~~9905031~~	~~Critical Care Paramedic~~
~~9905033~~	~~Community Paramedicine~~

Validation Rule Trigger(s)

Rule 1: When Role/Type of Person Administering Medication is [blank] or a not value **AND** eMedications.03 indicates a medication was given **AND** eMedications.02 is not yes. (pend.)

Rule 2: When eMedications.03 indicates a medicine was not given, Role/Type of Person Administering Medication should be not applicable. (pend.)

Purpose of Collection/Associated Performance Measures

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.

State

eMedications.11 - Medication Authorization

Definition			
The type of treatment authorization obtained.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	No
Version 2 Element	E18_10	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Code List

Code List	Description
9918001	On-line (Remote verbal order)
9918003	On-scene
9918005	Protocol (Standing order)
9918009	Written Orders (Patient specific)

Validation Rule Trigger(s)

Rule 1: When Medication Authorization is [blank] or a not value **AND** eMedications.03 indicates a medication was given **AND** eMedications.02 is not yes. (pend.)

Rule 2: When eMedications.03 indicates a medicine was not given, Role/Type of Person Administering Medication should be not applicable. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State	National

eProcedures.01 – Date/Time Procedure Performed

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When the Date/Time Procedure Performed is [blank] or a not value **AND** eProcedure.03 **OR** eProcedures.04 **OR** eProcedures.05 **OR** eProcedures.06 **OR** eProcedures.07 **OR** eProcedures.08 **OR** eProcedures.09 **OR** eProcedures.10 contain an indication that a medication was given. (pend.)
Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient> **AND** eProcedures.02 is not yes. (pend.) 1194 incomplete)
Rule 2: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient>Procedure. (1194)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

DRAFT

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

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

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

DRAFT

State	National

eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care

Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS units care.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element	E19_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When Procedure Performed Prior to this Unit's EMS Care is [blank] or a not value **AND** eProcedures.03 indicates a procedure was performed. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

DRAFT

National	State

eProcedures.03 - Procedure

Definition

Name of procedure performed.

Validation Rule in Place	Yes	Pertinent Negatives	Yes
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives

8801023 - Unable to Complete 8801001 - Contraindication Noted 8801003 - Denied By Order
8801019 - Refused

Constraints

N/A

Validation Rule Trigger(s)

Rule 1: When the procedure name is [blank] or uses a not value **AND** eProcedures.01 indicates a time a procedure is performed **OR** eProcedures.04 indicates a legitimate size of a piece of equipment **OR** eProcedures.05 indicates one or more attempts were made **OR** eProcedures.06 indicates a procedure was or was not successful **OR** eProcedures.07 indicates a procedure complication occurred (or is none) **OR** eProcedures.08 is none or indicates there was a response to the procedure **OR** eProcedures.10 identifies a role of the person performing the procedure **OR** eProcedures.13 identifies the location of a vascular access. (305)
Rule 2: Cannot have a common not value and another value at the same time. (127, 1134, 1135)
Rule 3: Other Procedure: The use of "Other Procedure" when performed by EMS. Contact OEMS to add this procedure to the State list. (1137)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

See eProcedures.03_Virginia_Procedures_List_2_1_2012. Vital Sign do not have to be documented in the Procedure Section.

DRAFT

State

eProcedures.04 - Size of Procedure Equipment

Definition			
The size of the equipment used in the procedure on the patient			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element	E19_04	Is Nillable	Yes*
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Constraints

Data Type	minLength	maxLength
String	1	20

Validation Rule Trigger(s)

Rule 1: When eProcedures.03/Procedure Name includes, a tracheostomy tube, cricothyrotomy, ETT, NG tube, chest decompression, venous or arterial access, or cervical collar **AND** eProcedures.04 uses a not value or is [blank]. (1195)

Purpose of Collection/Associated Performance Measures

Data Element Comment

Need business logic to require detail of size appropriate for the procedure.

DRAFT

National	State

eProcedures.05 - Number of Procedure Attempts

Definition			
The number of attempts taken to complete a procedure or intervention regardless of success.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
Integer	1	10

Validation Rule Trigger(s)

Rule 1: When the Number of Procedure Attempts is [blank], zero, or uses a not value **AND** eProcedure.03 is a procedure involving airway maintenance, rapid sequence induction, nasogastric tube, administration of electro-therapy, vagal maneuver, or vascular access **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (292)

Rule 2: When the procedure name is a not value, the number of attempts should be zero or a not value. (1133)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

eProcedures.06 - Procedure Successful

Definition			
Indicates that this procedure attempt which was performed on the patient was successful			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9923001	No
9923003	Yes

Validation Rule Trigger(s)

Rule 1: When Procedure Successful is [blank] or uses a not value **AND** eProcedure.03 is a procedure involving airway maintenance, rapid sequence induction, nasogastric tube, administration of electro-therapy, vagal maneuver, or vascular access **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (293)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

DRAFT

National	State

eProcedures.07 - Procedure Complication

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
3907001	Altered Mental Status
3907003	Apnea
3907005	Bleeding
3907007	Bradypnea
3907009	Diarrhea
3907011	Esophageal Intubation-immediately
3907013	Esophageal Intubation-other
3907015	Extravasation
3907017	Hypertension
3907019	Hyperthermia
3907021	Hypotension
3907023	Hypothermia
3907025	Hypoxia
3907027	Injury
3907029	Itching/Uticaria
3907031	Nausea
3907033	None [Default]
3907035	Other (Not Listed)
3907037	Port-a-cath
3907039	Respiratory Distress
3907041	Tachycardia
3907043	Tachypnea
3907045	Vomiting

Validation Rule Trigger(s)

Rule 1: When the Procedure Complication is [blank], zero, or uses a not value **AND** eProcedure.03 is a

procedure involving airway maintenance, rapid sequence induction, nasogastric tube, administration of electro-therapy, vagal maneuver, or vascular access. **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (294)
Rule 2: When the procedure name is a not value, the Procedure Complication should be a not value. (1135)
Rule 3: Cannot choose a not value and a procedure complication at the same time. (1207)

Purpose of Collection/Associated Performance Measures
Airway Pediatric Trauma

Data Element Comment

DRAFT

National	State

eProcedures.08 - Response to Procedure

Definition

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Validation Rule Trigger(s)

Rule 1: When the Response to Procedure is [blank] or uses a not value **AND** eProcedure.03 is a procedure involving airway maintenance, rapid sequence induction, nasogastric tube, administration of electro-therapy, vagal maneuver **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (1196)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

eProcedures.09 - Procedure Crew Members ID

Definition			
The statewide assigned ID number of the EMS crew member performing the procedure on the patient			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_09	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	15

Validation Rule Trigger(s)

Rule 1: When the Procedure Crew Member's ID is [blank] or uses a not value **AND** eProcedures.03 contains a valid entry **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (290)

Rule 2: Must begin with an A, B, E, I, J, Admin, DRV, Pil, Stud, or Thrd and be followed by a 5 digit number or eight digit number respectfully. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

For an incident that occurs in multiple states, the certification ID number the EMS agency would typically use is based on the EMS agency's state license specific to each EMS professional. If the incident needs to be reported to each state, then the EMS Agency Number for each state should be submitted as well as the certification ID numbers for each EMS professional on the unit.

DRAFT

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.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9905001	2009 Advanced Emergency Medical Technician (AEMT)
9905003	2009 Emergency Medical Responder (EMR)
9905005	2009 Emergency Medical Technician
9905007	2009 Paramedic
9905009	EMT - Basic
9905011	EMT - Intermediate
9905013	EMT – Paramedic (Based on pre-2009 Curriculum)
9905015	First Responder
9905017	Nurse
9905019	Other Healthcare Professional
9905021	Other Non-Healthcare Professional
9905023	Patient/Lay Person
9905025	Physician
9905027	Respiratory Therapist
9905029	Student
~~9905031~~	~~Critical Care Paramedic~~
~~9905033~~	~~Community Paramedicine~~

Validation Rule Trigger(s)

Rule 1: When the Role/Type of Person Performing the Procedure is [blank] or a not value **AND** eProcedure.03 is a procedure involving airway maintenance, rapid sequence induction, nasogastric tube, administration of electro-therapy, vagal maneuver, or vascular access **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (pend.)

Rule 2: When eProcedures.03 indicates a procedure was not performed, Role/Type of Person Performing the Procedures should be not applicable. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

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.

DRAFT

State

eProcedures.13 - Vascular Access Location

Definition			
The location of the vascular access site attempt on the patient, if applicable.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E19_12	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

N/A

Code List

Code List	Description
3913001	Antecubital-Left
3913003	Antecubital-Right
3913005	External Jugular-Left
3913007	External Jugular-Right
3913009	Femoral-Left
3913011	Femoral-Right
3913013	Foot-Right
3913015	Foot-Left
3913017	Forearm-Left
3913019	Forearm-Right
3913021	Hand-Left
3913023	Hand-Right
3913025	Internal Jugular-Left
3913027	Internal Jugular-Right
3913029	IO-Illiac Crest-Left
3913031	IO-Illiac Crest-Right
3913033	IO-Femoral-Left Distal
3913035	IO-Femoral-Right Distal IO
3913037	IO-Humeral-Left
3913039	IO-Humeral-Right
3913041	IO-Tibia-Left Distal
3913043	IO-Sternum
3913045	IO-Tibia-Right Distal
3913047	IO-Tibia-Left Proximal
3913049	IO-Tibia-Right Proximal
3913051	Lower Extremity-Left
3913053	Lower Extremity-Right
3913055	Other Peripheral (Not Listed)
3913057	Other Central (PICC, Portacath, Not Listed)
3913059	Scalp

3913061	Subclavian-Left
3913063	Subclavian-Right
3913065	Umbilical
3913067	Venous Cutdown-Left Lower Extremity
3913069	Venous Cutdown-Left Upper Lower Extremity

Validation Rule Trigger(s)

Rule 1: When a procedure indicates vascular access has been performed/attempted a location shall be documented. (pend.)

Rule 2: When vascular access was not performed, the procedure location should be not applicable. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

State

eAirway.01 - Indications for Invasive Airway

Definition

The clinical indication for performing invasive airway management.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : M

Attributes

Not Values

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

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
4001001	Adequate Airway Reflexes/Effort, Potential for Compromise
4001003	Airway Reflex Compromised
4001005	Apnea or Agonal Respirations
4001007	Illness Involving Airway
4001009	Injury Involving Airway
4001011	Other (Not Listed)
4001013	Ventilatory Effort Compromised

Validation Rule Trigger(s)

Rule 1: When eProcedure.03/Procedure is airway management (Combitube, cricothyrotomy, intubation, King LT, NG tube, or RSI), Cardioversion, Valsalva maneuver, or venous access **AND** eAirway.01/Indications for Airway Device is [blank] or uses a not value. (pend.)

Rule 2: When eProcedures.03 indicates that an invasive airway was not used, Indications for Invasive Airway should be not applicable. (pend.)

Purpose of Collection/Associated Performance Measures

Airway

Data Element Comment

Added to better document airway management.

State

eAirway.02 - Date/Time Airway Device Placement Confirmation

Definition			
The date and time the airway device placement was confirmed.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not value

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

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When eProcedure.03/Procedure is airway management (Combitube, cricothyrotomy, intubation, King LT, NG tube, or RSI), Cardioversion, Valsalva maneuver, or venous access **AND** eAirway.02/Date/Time of Airway Device is [blank] or uses a not value. (pend.)

Rule 2: When eProcedures.03 indicates than an invasive airway was not used, eAirway.02/Date/Time of Airway Device Indications for Invasive Airway should be not applicable. (pend.)

Rule 3: Time sequences must be logical (PSAP>Unit Notified by Dispatch>Unit Enroute>Unit Arrived>Arrived Patient> **AND** eMedications.02 is not yes. (pend.)

Purpose of Collection/Associated Performance Measures

Airway

Data Element Comment

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

DRAFT

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

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

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

DRAFT

State

eAirway.04 - Airway Device Placement Confirmed Method

Definition			
The method used to confirm the airway device placement.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Code List

Code List	Description
4004001	Auscultation
4004003	Bulb/Syringe Aspiration
4004005	Colorimetric ETCO2
4004007	Condensation in Tube
4004009	Digital (Numeric) ETCO2
4004011	Direct Re-Visualization of Tube in Place
4004013	Endotracheal Tube Whistle (BAAM, etc)
4004015	Other (Not Listed)
4004017	Visualization of Vocal Cords
4004019	Waveform ETCO2

Validation Rule Trigger(s)

Rule 1: When eProcedure.03/Procedure is airway management (Combitube, cricothyrotomy, intubation, King LT, NG tube, or RSI) is [blank] or uses a not value. (291)

Rule 2: When eProcedures.03 indicates than an invasive airway was not used, eAirway.04/Airway Device Placement Confirmed Method should be not applicable. (pend.)

Purpose of Collection/Associated Performance Measures

Airway

Data Element Comment

If the invasive airway is confirmed via multiple methods each method should be documented individually by time, method, and type of individual.

State

eAirway.07 - Crew Member ID

Definition			
The crew member ID during this EMS patient encounter at this date and time.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	15

Validation Rule Trigger(s)

Rule 1: When the Airway Crew Member's ID is [blank] or uses a not value **AND AND** eProcedure.03 is a procedure involving airway maintenance **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (pend.)

Rule 2: Must begin with an A, B, E, I, J, Admin, DRV, Pil, Stud, or Thrd and be followed by a 5 digit number or eight digit number respectfully. (pend.)

Purpose of Collection/Associated Performance Measures

Airway

Data Element Comment

DRAFT

State

eAirway.08 - Airway Complications Encountered

Definition			
The airway management complications encountered during the patient care episode.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : M

Attributes

Not Values

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

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
4008001	Adverse Event from Facilitating Drugs
4008003	Bradycardia (<50)
4008005	Cardiac Arrest
4008007	Esophageal Intubation-Delayed Detection (After Tube Secured)
4008009	Esophageal Intubation-Detected in Emergency Department
4008011	Failed Intubation Effort
4008013	Injury or Trauma to Patient from Airway Management Effort
4008015	Other (Not Listed)
4008017	Oxygen Desaturation (<90%)
4008019	Patient Vomiting/Aspiration
4008021	Tube Dislodged During Transport/Patient Care
4008023	Tube Was Not in Correct Position when EMS Crew/Team Assumed Care of the Patient

Validation Rule Trigger(s)

Rule 1: When Airway Complications Encountered is [blank] or uses a not value **AND** eProcedure.03 is a procedure involving airway maintenance **AND** eProcedures.02 indicates the procedure was not performed prior to arrive of this unit. (pend.)

Rule 2: When eProcedure.03 airway management was not chosen, Airway Complications Encountered should be a not value. (pend.)

Rule 3: Cannot have a common not value **AND** another value indicating a complication at the same time. (pend.)

Purpose of Collection/Associated Performance Measures

Airway

Data Element Comment

State

eAirway.09 - Suspected Reasons for Failed Airway Procedure

Definition			
The reason(s) the airway was unable to be successfully managed.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	No
Version 2 Element		Is Nillable	Yes*
Usage	Required	Recurrence	0 : M

Attributes

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
4009001	Difficult Patient Airway Anatomy
4009003	ETI Attempted, but Arrived At Destination Facility Before Accomplished
4009005	Facial or Oral Trauma
4009007	Inability to Expose Vocal Cords
4009009	Inadequate Patient Relaxation/Presence of Protective Airway Reflexes
4009011	Jaw Clenched (Trismus)
4009013	Other (Not Listed)
4009015	Poor Patient Access
4009017	Secretions/Blood/Vomit
4009019	Unable to Position or Access Patient

Validation Rule Trigger(s)

Rule 1: When Reason for Failed Airway Procedure is [blank] or uses a not value **AND** eProcedure.03 indicates the use of an advanced airway **AND** eProcedure.06 indicates that the advanced airway procedure was not successful **AND** eProcedure.02 does not indicated the advanced airway procedure was performed prior to this unit's arrival. (pend.)

Purpose of Collection/Associated Performance Measures

Airway

Data Element Comment

State

eDisposition.02 - Destination/Transferred To, Code

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E20_02	Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minLength	maxLength
String	2	50

Validation Rule Trigger(s)

Rule 1: When the Destination/Transferred to Code is [blank], uses a not value, or does not have a valid Virginia hospital code **AND** eDisposition.12 is Transported by this EMS Unit **AND** eDisposition.21 is 4221003/Hospital – Emergency Department **AND** eResponse.05 Type of Service Requested is 911 Response (Scene) or Interfacility Transport. (43)

Rule 2: The use of "Other" or "Out of State Hospital" shall be avoided. The agency VPHIB administrator should contact the OEMS to confirm hospital mapping or to add the hospital not listed to the State list (this is for transport to hospitals for emergency services only). (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility. NPI codes can be found on the NEMSIS SharePoint site.

DRAFT

State

eDisposition.11 - Number of Patients Transported in this EMS Unit

Definition			
The number of patients transported in this EMS unit.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

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

Constraints

Data Type	minValue	maxValue
PositiveInteger	1	100

Validation Rule Trigger(s)

Rule 1: When eDisposition.12 is Transported by this EMS Unit **AND** eDisposition.21 is 4221003/Hospital – Emergency Department, or 4221005/Hospital – Non-Emergency Department Bed **AND** eDisposition.02 is blank or contains a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

DRAFT

National	State

eDisposition.12 - Incident/Patient Disposition

Definition

Type of disposition treatment and/or transport of the patient by this EMS Unit.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	No
Version 2 Element	E20_10	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

Attributes

N/A

Code List (note code list is not in order and Labels changed for Virginia)

Code List	Description
4212033	Transported by this EMS Unit
4212001	Assist, Agency
4212003	Assist, Public
4212005	Assist, Unit
4212009	Cancelled (Upon or after arrival on Scene)
4212007	Cancelled (Prior to Arrival At Scene)
4212013	Dead at Scene – No Resuscitation Attempted (with Transport)
4212015	Dead at Scene – No Resuscitation Attempted (without Transport)
4212017	Dead at Scene – Resuscitation Attempted (with Transport)
4212019	Dead at Scene – Resuscitation Attempted (without Transport)
4212011	No Patient Found
4212021	No Treatment/Transport Required
4212025	Patient Refused Evaluation, Care, and Transport
4212027	Patient Refused Transport (AMA)
4212039	Standby - No Patient Contacts
4212041	Standby - With Patient Contact(s)
4212043	Transport of Body Parts or Organs Only
4212023	Transported but Refused Care & Evaluation
4212035	Treated, Referred to Law Enforcement
4212031	Treated, Transferred Care to Other EMS Agency
4212037	Treated, Transported by Private Vehicle
4212029	~~Treated and Released (per protocol)~~ (mapped to 4212021)

Validation Rule Trigger(s)

Rule 1: A valid response is required with every record submitted to the State. (85)
Rule 2: When the disposition is Agency, Public, or Unit Assist **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 3: When the disposition is cancelled prior to or after arrival **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 4: When the disposition is No Patient Found **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 5: When the disposition is Patient Dead on Scene – No Transport **AND** the Type of Destination is

home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 6: When the disposition is No Treatment/Transport Required **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 7: When the disposition is Treated, Transferred Care to Other EMS Unit **AND** the Type of Destination is home, hospital, medical office, nursing home, other, or police. (pend.)
Rule 8: When the disposition is Treated, Referred to Law Enforcement **AND** the Type of Destination is home, hospital, medical office, nursing home, other, or other EMS agency. (pend.)
Rule 9: When the disposition is Treated, Transported by Private Vehicle **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 10: When the disposition is Standby – No Patient Contacts **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 11: When the disposition is Patient Refused Evaluation, Care, and Transport **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)
Rule 12: When the disposition is Patient Refused Transport AMA **AND** the Type of Destination is home, hospital, medical office, nursing home, other, other EMS agency, or police. (pend.)

Purpose of Collection/Associated Performance Measures
Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma
Data Element Comment

DRAFT

National	State

eDisposition.16 - EMS Transport Method

Definition
Transport method by this EMS Unit.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

Code List

Code List	Description
4216001	Air Medical-Fixed Wing
4216003	Medevac/HEMS
4216005	Ground - Ambulance
4216007	Ground – Rescue Vehicle (extrication etc.) or ATV
4216009	Ground - Bariatric
4216011	Ground - Other Not Listed
4216013	Ground - Mass Casualty Bus/Vehicle
4216015	~~Ground - Wheelchair Van~~
4216017	Water - Boat

Validation Rule Trigger(s)

Rule 1: When EMS Transport Method is [blank] or is a not value **and** eDisposition.12 is Transported by this EMS Unit. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Required if the patient is transported by EMS.

National	State

eDisposition.17 - Transport Mode from Scene

Definition

Indication whether the transport was emergent or non-emergent.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E20_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
4217001	Emergent (Immediate Response)
4217003	Emergent Downgraded to Non-Emergent
4217007	Non-Emergent
4217009	Non-Emergent Upgraded to Emergent

Validation Rule Trigger(s)

Rule 1: When Transport Mode from Scene is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit **AND** eDisposition.21 is 4221003/Hospital – Emergency Department. (1199)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

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.

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National	State

eDisposition.18 - Additional Transport Mode Descriptors

Definition

The documentation of transport mode techniques for this EMS response.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	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

Validation Rule Trigger(s)

Rule 1: When Additional Transport Mode Descriptors is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit **AND** eDisposition.21 is 4221003/Hospital – Emergency Department. (pend.)

Purpose of Collection/Associated Performance Measures

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.

National	State

eDisposition.19 - Condition of Patient at Destination

Definition

The condition of the patient after care by EMS.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E20_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Validation Rule Trigger(s)

Rule 1: When Condition of Patient at Destination is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit **AND** eDisposition.21 is 4221003/Hospital – Emergency Department. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Trauma

Data Element Comment

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National	State

eDisposition.20 - Reason for Choosing Destination

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	E20_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Correlation ID

Date Type	minLength	maxLength
String	0	255

Code List

Code List	Description
4220001	Closest Facility
4220003	Diversion
4220005	Family Choice
4220007	Insurance Status/Requirement
4220009	Law Enforcement Choice
4220011	On-Line/On-Scene Medical Direction
4220013	Other (Not Listed)
4220015	Patient's Choice
4220017	Patient's Physician's Choice
4220019	Protocol
4220021	Regional Specialty Center (Trauma, Stroke, STEMI)

Validation Rule Trigger(s)

Rule 1: When Reason for Choosing Destination is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit **AND** eDisposition.21 is 4221003/Hospital – Emergency Department. (82)

Purpose of Collection/Associated Performance Measures

Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Required if Patient Transported

National	State

eDisposition.21 - Type of Destination

Definition

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

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element	E20_17	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
4221001	Home
4221003	Hospital-Emergency Department (includes “free standing” EDs)
4221005	Hospital-Non-Emergency Department Bed (i.e. cath lab, inpatient bed etc.)
4221007	Medical Office/Clinic
4221009	Morgue/Mortuary
4221011	Nursing Home/Assisted Living Facility
4221013	Other (Not Listed)
4221015	Other EMS Agency (Medevac/HEMS)
4221017	Other EMS Agency (ground)
4221019	Police/Jail

Validation Rule Trigger(s)

Rule 1: When Type of Destination is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit. (32)

Rule 2: When destination type is recorded as hospital, then destination name cannot be common null value. (174)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Required if Patient Transported by EMS. “Hospital-In Patient Bed” includes any location in the hospital except the Emergency Department. Choices include those in eDisposition.22 (Hospital In-Patient Destination).

National	State

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.)			
Validation Rule in Place	No	Pertinent Negatives	No
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values 7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
4222001	Hospital-Burn
4222003	Hospital-Cath Lab
4222005	Hospital-CCU
4222007	Hospital-Endoscopy
4222009	Hospital-Hospice
4222011	Hospital-Hyperbaric Oxygen Treatment
4222013	Hospital-ICU
4222015	Hospital-Labor & Delivery
4222017	Hospital-Med/Surg
4222019	Hospital-Mental Health
4222021	Hospital-MICU
4222023	Hospital-NICU
4222025	Hospital-Nursery
4222027	Hospital-Peds (General)
4222029	Hospital-Peds ICU
4222031	Hospital-OR
4222033	Hospital-Orthopedic
4222035	Hospital-Other
4222035	Hospital-Out-Patient Bed
4222037	Hospital-Radiology Services - MRI
4222039	Hospital-Radiology Services - CT/PET
4222041	Hospital-Radiology Services - X-Ray
4222043	Hospital-Radiation
4222045	Hospital-Rehab
4222047	Hospital-SICU

Validation Rule Trigger(s)

Rule 1: When Hospital In-Patient Destination is [blank] or uses a not value **AND** eDisposition.21 Type of Destination is 4221005/Hospital Non-emergency Department Bed. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

National	State

eDisposition.24 - Destination Team Pre-Arrival Activation

Definition

Activation of the Destination Healthcare Facility Team prior to EMS arrival for acute ill or injured patient.

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code List	Description
4224001	No
4224003	Yes-Adult Trauma
4224005	Yes-Cardiac Arrest
4224007	Yes-Obstetrics
4224009	Yes-Other
4224011	Yes-Pediatric Trauma
4224013	Yes-STEMI
4224015	Yes-Stroke

Validation Rule Trigger(s)

Rule 1: When Destination Team Pre-Arrival Activation is [blank] or uses a not value **AND** eDisposition.12 is Transported by this EMS Unit **AND** eResponse.05/Type of Service Requested is 911 Response or Interfacility Transport **AND** eSituation.11/Provider's Primary Impression or eSituation.12/Provider's Secondary Impression indicates a STEMI, Trauma, or Acute Stroke/TIA. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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National	State

eDisposition.25 - Date/Time of Destination Pre-arrival Activation

Definition

The date/time the responding unit left the scene with a patient (started moving).

Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-1	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

Not value

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minValue	maxValue
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}

Validation Rule Trigger(s)

Rule 1: When eDisposition.24/Destination Team Pre-Arrival Activation is not [blank] or does not use a not value. (pend.)

Purpose of Collection/Associated Performance Measures

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

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

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

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

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

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State

eOther.08 - Crew Member Completing this Report

Definition			
The statewide assigned ID number of the EMS crew member which completed this patient care report.			
Validation Rule in Place	Yes	Pertinent Negatives	No
Validation Rule Score	-10	Not Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : 1

Attributes

Not Values

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
String	2	15

Validation Rule Trigger(s)

Rule 1: When Crew Member Completing this Report is [blank] or uses a not value **AND** eDisposition.12/Incident/Patient Disposition indicates patient contact. (pend.)

Purpose of Collection/Associated Performance Measures

Data Element Comment

If the EMS Professional has a specific ID associated with two states, the ID used would typically be based on the EMS Agencies state license.

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TERMS

Arrived on scene indications:

When eDisposition.12 is any of the following: 4212033/Transported by this EMS Unit, 4212001/Assist, Agency, 4212003/Assist Public, 4212005/Assist Unit, 4212009/Cancelled (Upon or after arrival on scene, 4212007/Cancelled (prior to arrival on scene, 4212011/No Patient Found, 4212039/ Standby – No Patient Contacts, 4212043/Transport of Body Parts or Organs Only, 4212013/Dead at Scene – No Resuscitation Attempted (with Transport), 4212015/ Dead at Scene – No Resuscitation Attempted (without Transport), 4212017/Dead at Scene – Resuscitation Attempted (with Transport), 4212019/ Dead at Scene – Resuscitation Attempted (without Transport), 4212021/No Treatment or Transport Required, 4212025/Patient Refused Evaluation, Care, and Transport, 4212027/Patient Refused Transport (AMA), 4212041/Standby – With Patient Contact(s), 4212023/Transported but Refused Care & Evaluation, 4212035/ Treated, Referred to Law Enforcement, 4212031/Treated, Transferred Care to Other EMS Agency, and 4212037/Treated, Transported by Private Vehicle.

Patient Contact Indicators:

When eDisposition.12 is any of the following: 4212033/Transported by this EMS Unit, 4212013/Dead at Scene – No Resuscitation Attempted (with Transport), 4212015/ Dead at Scene – No Resuscitation Attempted (without Transport), 4212017/Dead at Scene – Resuscitation Attempted (with Transport), 4212019/ Dead at Scene – Resuscitation Attempted (without Transport), 4212021/No Treatment or Transport Required, 4212025/Patient Refused Evaluation, Care, and Transport, 4212027/Patient Refused Transport (AMA), 4212041/Standby – With Patient Contact(s), 4212023/Transported but Refused Care & Evaluation, 4212035/ Treated, Referred to Law Enforcement, 4212031/Treated, Transferred Care to Other EMS Agency, and 4212037/Treated, Transported by Private Vehicle.

Patient Care Provided Indicators:

When eDisposition.12 is any of the following: 4212033/Transported by this EMS Unit, 4212013/Dead at Scene – No Resuscitation Attempted (with Transport), 4212017/Dead at Scene – Resuscitation Attempted (with Transport), 4212019/ Dead at Scene – Resuscitation Attempted (without Transport), 4212025/Patient Refused Evaluation, Care, and Transport, 4212027/Patient Refused Transport (AMA), 4212041/Standby – With Patient Contact(s), 4212023/Transported but Refused Care & Evaluation, 4212035/ Treated, Referred to Law Enforcement, 4212031/Treated, Transferred Care to Other EMS Agency, and 4212037/Treated, Transported by Private Vehicle.

Patient Treated and Transported:

When eDisposition.12 is 4212033/Transported by this EMS Unit, 4212013/Dead at Scene – No Resuscitation Attempted (with Transport), 4212017/ Dead at Scene – Resuscitation Attempted (with Transport), and 4212023/ Transported but Refused Care & Evaluation.

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Version Change Log

3.07 – In Progress

- ePatient.13/Gender – In Rule #1 replaced the word "race" with "gender.
- The first sentence of the Purpose section changed to wording from "Virginia Version 3 Data Dictionary (VAv3)" to Virginia VPHIB Version 3 Data Dictionary (VAv3) to ensure there is not confusion with the VSTR v3 data dictionary.
- Item 11 within the instructions of how to use this document was changed from "…data element can be submit blank…" to "data element can be submitted blank."
- eInjury.07/Use of Occupant Safety Equipment – title changed to "Use of Protective Devices/Safety Equipment" because the element is not limited to MVCs. Title now matches its trauma registry equivalent.

3.0.6 – 6/1/2012 – Each data element's validation rules were reviewed and updated. Applicable version 2 rules were incorporated into version 3.0.6, elements that are new to version 3 or did not have previous validity rules were updated, and the NEMSIS business rules were reviewed and incorporated.

- dAgency.12/Organization Status – The definition was updated to correct national to state instructions, instead of state to agency instructions.
- D.Agency.19 – Element definition changed from "the number of EMS dispatches per based on last calendar year" to "The number of EMS dispatches during the last calendar year" based on the NEMSIS v3.2.2 changes on 4/28/2012.
- dConfiguration.05/Protocols Permitted by the State; Not Values and Nillable boxes change to no to match the usage of mandatory.
- dConfiguration.15/Patient Monitoring Capabilities – Updated the data element definition by removing "any/all patients" to "any patient."
- dConfguration.15 – Definition updated to remove "any/all patients" to "any patients." Change made to clarify element based on public comment response.
- dConfiguration.16/Crew Call Sign – name changed to Unit/Crew Call Sign.
- dFacility.03/Facility Code – Changed element name to Hospital/Facility Code.
- ePatient.06/Patient's Home Town ~~City~~ – Update with information to assure Virginia cities are reported via county elements.
- ePatient.06/Patient's Home County/City – Update with information to assure Virginia cities are reported via county elements.
- ePatient.06/Patient's Home County/City – Update with information to assure Virginia cities are reported via county elements.
- eScene.16/Incident Town ~~City~~ – Update with information to assure Virginia cities are reported via county elements.
- eScene.17/Apartment Number – Corrected error where eScene.17 was intended to be eScene.16/Incident Town.
- eInjury.04/ Injury Risk Factors - Renamed to Mechanism of Injury High Risk Factors – Trauma Triage Step 3.
- eInjury.05/Main Area of the Vehicle Impacted – Added the NHTSA FARS/MUCC clockpoint diagram.
- eArrest.01/Cardiac Arrest – element relabeled to Cardiac Arrest Indicator.
- eArrest.18/End of Cardiac Arrest Event – Rename to EMS Cardiac Arrest Outcome.
- eVitals.05/Method of ECG Interpretation – "The EMS provider should document the method of interpretation used to determine what the ECG rhythm is. More than one choice can be made, but only

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choose the method or methods used to decide what the rhythm is" was added to the data element definition.

- eProtocols.01/Protocol Used – The word "primary" was added to the data element definition. The data element comment was updated to provide detailed information and an example.
- eMedications.10/ Role/Type of Person Administering Medication - Removed the second sentence in the data element definition that stated this includes medications given prior to arrival.
- eDisposition.12/Patient/Incident Disposition – was expanded by two fields based on NEMSIS changes to the element in March 2012. The field names were relabeled to avoid confusion and attempt to group dispositions as best possible.
- eDisposition.12/Incident/Patient Disposition – 4219009 label changed from No patient contact (cancelled on scene) to Cancelled (Upon or after arrival on Scene.
- eDisposition.16/EMS Transport Method – field label Air Medical – Rotor Craft changed to Medevac/HEMS, label for Ground – ATV or Rescue Vehicle changed to Ground Rescue Vehicle (extrication etc.) or ATV, and Ground – Wheelchair Van deleted.
- eRecord.03 – the element definition was updated based on the NEMSIS v3.2.5 Change log released on 5/25/12. The definition was shortened and utilizes less technical nomenclature.
- eRecord.04 – the element definition was updated based on the NEMSIS v3.2.5 Change log released on 5/25/12. The definition was shortened and utilizes less technical nomenclature.

3.0.5 – 5/6/2012 – eDisposition.12 incident/patient disposition changed "Patient Refused Evaluation/Care and (Without Transport) to "Patient Refused Evaluation/Care (Without Transport)' based on NEMSIS change v3.2.1 on 3/28/2012.

3.0.4 – 3/23/2012 – Incorporates all NEMSIS "version 3.2.1 Official Release Change Log."

- eInjury.01- The pattern was replaced with a much abbreviated version;
- eHistory.08 – The pattern was replaced with a much abbreviated version;
- eArrest.08 – The definition was updated to correct a type stating who performed CPR rather than who used AED;
- eDispatch.01 – Definition changed;
- eExam.04 – Corrected spelling in field 3504029;
- eMedications.02 – Corrected grammar in the element name;
- eProcedure.02 – Corrected grammar in the element name;
- eScene.15 – The element comment was removed;
- eSituation.05 – The word "chief" was removed from the definition;
- eSituation.06 – The word "chief" was removed from the definition;
- eSituation.04 – The minLength and maxLength was updated;
- eSituation.11 – The pattern was updated;
- eSituation.12 – The pattern was updated;
- eVitals.02 – Corrected grammar in the element name.

3.0.3 – 2/20/2012 – The following 3 elements were removed due to application improvements with State Bridge v5.3 which will auto populated statistical year information prior to export to NEMSIS. The 3 elements include:

- dAgency.18 – 911 EMS Call Center (PSAP) Volume per Year;
- dAgency.20 – EMS Patient Transport Volume per Year and;
- dAgency.21 – EMS Patient Contact Volume per Year.

3.0.2 – 02-01-2012 – Pre public release – Incorporates all NEMSIS "version 3.2.0 Official Release Change Log." Finalizes all edits and changes by OEMS prior to public release. OEMS changes primarily focus the addition of accompanying lists.

3.0.1 – Pre public release – Incorporates all NEMSIS "Official Release Change Log" items up to and including NEMSIS v3.1.1 dated 11-22-11. This is pre-Virginia release and changes may have been changed during the Virginia release process.

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