



Virginia Pre-Hospital Information Bridge
(VPHIB)
Data Element Dictionary

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Purpose of this document: This document provides a detailed list of Virginia’s minimum EMS dataset and quality requirements. Agencies can submit above and beyond this minimum dataset if desired to collect further information on an agency, locality, or regional level. VPHIB will collect ALL NEMSIS data elements, all ImageTrend developed elements, and “user defined elements” developed on the individual agency level. Pre-approval is not necessary. The various reporting tools available within VPHIB are capable of reporting any data collected by the agency. All data is viewable by the OEMS with the exception of “user defined elements.” OEMS will only consider the submission and quality of the minimum dataset as contained in this document for submission compliance matters.

Acknowledgement: the NEMSIS 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 VDH/OEMS and not NEMSIS or ImageTrend.

How to Use This Document: Using the first data element as an example, the following includes a description of what each category is meant to communicate:

EMS AGENCY NUMBER - This is the name of the data element

D01_01 – This is the data element number as assigned by. The elements begin with either D, E, or IT. Elements that start with “D” are demographic items that typical only need to be submitted during initial setup and then as needed. “D” items include agency name, stations, staff etc. The “E” elements are the elements collected with each EMS response. The “IT” elements are elements created by ImageTrend Inc. using the NEMSIS research structure. Virginia utilizes 11 “IT” elements that were already in use in other states.

Data – This section defines how the specific data element is collected. The formats include text, combo (single or multiple), Date, or number.

National Element - This item notes whether the individual element is submitted by OEMS to the national EMS data bank. Additional items may be collected, but are not noted within the EMS minimum dataset.

Definition – This is the data definition which describes what the element is collecting. The definition is determined nationally and nomenclature changes may be made for recognition within the Virginia system.

XSD Data Type – This item describes the format that the data element is imported/exported in i.e. xs:string, xs:integer, xs: numeric etc. (This is likely used by IT staff.)

XSD Domain (Simple Type) - This provides a description of the category that the data element is in i.e. *EMSAgencyNumber*

Multiple Entry Configuration – Describes whether the user can choose a single response is allowed to choose multiple selections i.e. agency number would be single and past medical history would allow multiple choices. (This is likely used by IT staff.)

Accepts Null Values - Denotes whether the data element can be left blank by the user or if a response is required. No means some selection needs to be made even if it is not applicable. Yes means it can be left blank. (This is likely used by IT staff.)

Required in VA-XSD Yes/Demographic – Items states whether the data element is required to be include in the XSD (file submitted from 3rd party vendors/ImageTrend Service Bridge). When “Yes/Demographic” is noted the element is not required with each response. Demographic elements can be maintained via State Bridge administrators’ access or a demographic XSD (file submitted from 3rd party vendors/ImageTrend Service Bridge).

Minimum Constraint and Maximum Constraint – describes the minimum and maximum number of characters allowed for the data element. For example an agency name must be between 2 and 50 characters. (This is likely used by IT staff.)

Field Values – This section describes whether a list or a unique value is required. A list would be a group of predetermined items that can be selected (contents of a drop down box) and a unique value could be the agency five digit number.

Important: items that are struck through (~~-15 Not Reporting~~) are items that are not accepted within the Virginia data set and are typically null values. Further restrictions will be placed on other null values as driven by the quality a data submission experienced by OEMS. NEMSIS is also considering a significant reduction in the availability of null values in its next version. Over use of null values and poor data mapping by vendor software has contributed to these considerations.

Additional Information – this section provides additional guidance specific to the data element. Examples include hints to IT staff where this element can be filled in automatically from, such as age from the data of birth and so on.

Uses – This item describes how NEMSIS recommends the element be used. The State and agencies are likely to expand far beyond this description.

Data Collector – this describes who will collect the specific element. Typically the EMS provider collects the element, but may also include the element being generated by OEMS or auto generated by the software.

Other Associated Elements – Describes what other data elements within the minimum dataset that this element may relate to. Only items in the minimum dataset have been included.

Validation Rules - Developed by OEMS to assist agencies in knowing when the specific data element is required to be reported. For example reason for choosing destination is only required when the disposition is treated and transport. Validity is not achieve solely by technology, it also requires proper documentation and reinforcement based upon

Quality Measure – This assigns a percentage that records being submitted must contain the appropriate response as described in the validity. For example 100% of records must contain an agency name/number in order for the record to be filed under the appropriate agency. Most data elements require a response 95% of the time that the validity rule applies. This does not mean if the scenario is “not applicable” that n/a cannot be chosen. 95% response is chosen because in order for a data element to be valid it must have a confidence level of +/- 5% or answered at least 95% of the time. Other items cannot be assigned a number and most of these are marked as cannot have zero responses or n/a. These are still required fields, the % of response cannot be determined.

References to Other Databases – The item comments on where the specific element may intersect with another database. Currently NEMSIS references NFIRS. Additional linkages will be added as the database matures.

EMS AGENCY NUMBER

D01_01

Data [text]

National Element

Definition

The five digit OEMS assigned agency number of the EMS agency

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EMSAgencyNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD	Yes/Demographic	Minimum Constraint	3
		Maximum Constraint	15

Field Values

A unique value; no variable list is possible.

Additional Information

- All EMS Agency demographic information is associated with the EMS agency number
- Not Nullable. A unique value must be provided to create a unique record ID within a database
- The same as EMS Agency Number (E02_01). This could be used to auto fill E02_01 on the Patient Care Report
- This data element is unique to the EMS agency

Uses

- Agency number (E02_01), agency state (D01_03), and unit call sign (E02_12).

Data Collector

- Generated by the OEMS. May be auto-generated by the EMS agency specific software.

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

References to Other Databases

- VSTR – Agency Code
- NFIRS 5.0 - EMS Module; Title: Patient Number

EMS AGENCY NAME

D01_02

Data [text]

Definition

The formal name of the EMS agency as noted in its OEMS license

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EMSAgencyName</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD Yes/Demographic		Minimum Constraint	2
		Maximum Constraint	50

Field Values

A unique value; no variable list is possible.

Uses

- Component of the EMS Agency Contact information
- Used to personalize reports associated with the EMS Agency

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

References to Other Databases

- VSTR – Agency Name
- NFIRS 5.0 - EMS Module; Title: Patient Number

EMS AGENCY STATE

D01_03

Data [combo] multiple-choice

National Element

Definition

The state in which the Agency provides services

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>AgencyState</i>
Multiple Entry Configuration	Yes	Accepts Null Values	No
Required in VA-XSD	Yes/Demographic	Minimum Constraint	2
		Maximum Constraint	2

Field Values

- Appropriate 2 digit FIPS code

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Not Nullable. A unique value must be provided to create a unique record ID within a database

Uses

- Agency number (E02_01), agency state (D01_03), and unit call sign (E02_12).

Data Collector

- EMS Agency and typically only documented once, then verified and if changed

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

References to Other Databases

- VSTR – trauma registry
- TREDs – DMV crash data
- VHI – hospital discharge data
- NFIRS 5.0 – fire reporting data

EMS AGENCY CITY/COUNTY

D01_04

Data [combo] multiple-choice

National Element

Definition

The county(s) for which the agency formally provides service

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>AgencyCounty</i>
Multiple Entry Configuration	Yes	Accepts Null Values	No
Required in VA-XSD	Yes/Demographic	Minimum Constraint	5
		Maximum Constraint	5

Field Values

- Appropriate 5 digit FIPS code

Validation Rules maintained as demographic data

Quality Measure 100%

Additional Information

- Stored as a 5 digit FIPS code (combining the state and county code) to take into account agencies may serve more than one state and counties are often named the same from state to state

Uses

- Used to group data with a state

Data Collector

- EMS Agency and typically only documented once then verified, and updated yearly or when changed

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

References to Other Databases

- VSTR – trauma registry
- TREDs – DMV crash data
- VHI – hospital discharge data
- NFIRS 5.0 – fire reporting data

ORGANIZATIONAL TYPE

D01_08

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *OrganizationalType*
Multiple Entry Configuration No **Accepts Null Values** No
Required in VA-XSD Yes/Demographic

Field Values

5810 Community, Non-Profit	5820 Fire Department
5830 Governmental, Non-Fire	5840 Hospital
5850 Private, Non-Hospital	5860 Tribal

Uses

- Allows data to be sorted based on an agency's organizational structure
- Provides description of EMS agencies across the nation

Data Collector

- EMS Agency and typically only documented once then verified and if changed

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

ORGANIZATION STATUS

D01_09

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *OrganizationStatus*
Multiple Entry Configuration No **Accepts Null Values** No
Required in VA-XSD Yes/Demographic

Field Values

5870 Mixed **5880** Non-Volunteer
5890 Volunteer

Validation Rules maintained as demographic data

Quality Measure 100%

Uses

- Allows data to be sorted based on an agency's organizational status
- Provides description of EMS agencies across the nation

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

NATIONAL PROVIDER IDENTIFIER

D01_21

Data [text]

National Element

Definition

The National Provider Identifier associated with National Provider System (NPS) and used in all standard HIPAA transactions such as electronic claim filing. (Agencies that do not bill are not likely to have a National Provider Identifier)

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>NationalProviderIdentifier</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in VA-XSD	Yes/Demographic	Minimum Constraint	3
		Maximum Constraint	10

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- The National Provider Identifier is associated with the EMS agency number

Uses

- Important for HIPAA related transactions such as electronic claims processing

Data Collector

- Generated by the National Provider System within the United States Department of Health and Human Services. Maintained by the EMS agency or auto-generated by the EMS agency specific software.

Other Associated Elements

Validation Rules maintained as demographic data if applicable

Quality Measure 100%

AGENCY CONTACT EMAIL ADDRESS

D02_10

Data [text]

Definition

The primary email address of the Agency contact.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EmailAddress</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in VA-XSD	Yes/Demographic	Minimum Constraint	2
		Maximum Constraint	100

Field Values

A unique value; no variable list is possible.

-25	Not Applicable
-20	Not Recorded
-15	Not Reporting
-10	Not Known
-5	Not Available

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency; needs to be updated if person responsible for data submission to the OEMS changes

Other Associated Elements

D01_01 EMS Agency Number

Validation Rules maintained as demographic data

Quality Measure 100%

MEDICATIONS LIST

D04_06

Data [combo] multiple-choice (recommended) OR [text] multiple-entry

Definition

A list of all medications the State has implemented and available for use. Additional medications must be requested via the OEMS VPHIB Coordinator.

XSD Data Type *xs:integer* OR *xs:string* **XSD Domain (Simple Type)** *DemographicMedicationsGiven*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30
 XSD Structure: D04_06 and D04_07 are members of D04_06_0 Demographic Medication Structure

Field Values

-25	Not Applicable	61	Adenosine
31	Albuterol Sulfate	65	Amiodarone (Cordarone)
4	Amyl Nitrate	81	Aspirin (ASA)
21	Atropine Sulfate	60	Atrovent (Ipratropium Bromide)
8	Bumetanide (Bumex)	161	Calcium Chloride
156022	Cetacaine Spray	156123	Clonidine (Catapres)
156010	D5W (Dextrose 5% in Water)	156003	Dextrose 10% (D10)
156009	Dextrose 12.5%	156002	Dextrose 25% (D25)
171	Dextrose 50% (D50)	121	Diazepam (Valium)
436	Diltiazem (Cardizem)	11	Diphenhydramine (Benadryl)
16	Dopamine	142	Droperidol (Inapsine)
156013	DuoNeb (0.5 Atrovent/3.0 Albuterol)	418	Epi-Pen Adult
419	Epi-Pen Junior	441	Epinephrine 1:10,000
440	Epinephrine 1:1000	141	Etomidate
325	Fentanyl	413	Flumazenil (Romazicon)
132	Furosemide (Lasix)	231	Glucagon
156023	Glucose (Oral)	414	Haloperidol (Haldol)
437	Hurricane Spray	409	Hydromorphone (Dilaudid)
156122	Hydroxyxobalamine	38	Ketorolac (Toradol)
156011	Lactated Ringers	156008	Levalbuterol HCL (Xopenex)
63	Lidocaine	24	Lorazepam (Ativan)
131	Magnesium Sulfate	416	Mark 1 Kit
27	Meperidine (Demerol)	28	Metaproterenol (Alupent)
156082	Methylene Blue 1%	222	Methylprednisolone (Solu-Medrol)
350	Metoprolol (Lopressor)	122	Midazolam (Versed)
92	Morphine Sulphate	101	Naloxone (Narcan)
33	Nidedipine (Adalat, Procardia)	72	Nitroglycerin
143	Nirtonox (Nitrous Oxide)	68	Nitroprusside
404	Normal Saline	156031	Normal Saline (Respiratory Use)

425	Ondansetron (Zofran)	428	Other Autonomic Nervous System Drug
426	Other Cardiac Drug	427	Other CNS Drug
429	Other Respiratory Drug	910	Oxygen
9398	Oxygen (non-rebreather mask)	12360	Oxygen by Blow By
9397	Oxygen by Mask	9396	Oxygen by Nasal Cannula
438	Oxygen by Nebulizer	439	Oxygen by Positive Pressure Device
411	Oxytocin (Pitocin)	156019	Pralidoxime (2-PAM, Systemic)
415	Prochlorperazine (Compazine)	403	Promethazine HCL (Phenergan)
521	Proparacaine (Alcaine)	402	Racemic Epinephrine
151	Sodium bicarbonate	156020	Sodium Nitrate (Cyanide Kit)
156021	Sodium Thiosulfate (Cyanide Kit)	41	Succinylcholine (Anectine)
32	Terbutaline (Brethine)	156007	Tetracaine
39	Thiamine	156035	Thiopental Sodium (Pentothal)
401	Vasopressin	400	Vecuronium (Norcuron)
156048	Ziprasidone (Geodon)		

Additional Information

- Third party vendors that choose to utilize an xs:string variable must match the text field exactly for proper submission
- The Drug List may contain any generic or trade name of a drug approved by the FDA and administered by EMS.
- Used to create a list box for Medication Given (E18_03) and Prior Aid (E09_01)

Uses

- Allows data to be sorted based on an agency's Medication capabilities
- Could be used to create a list box for Medication Given (E18_03) and Prior Aid (E09_01)
- Provides descriptive information when combined with an EMS Agency's Billing Status

Data Collector

- Set by OEMS and updated as needed

Other Associated Elements

E018_03 Medication Given

References in NHTSA Version 1

Essential Element 80 Medication Name

References to Other Databases

- NFIRS 5.0 EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN

STATION NAME

D05_01

Data [text]

Definition

Name of the agency's station as determined by the agency i.e. "station 1"

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *StationName*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 50
XSD Structure: Data Elements D05_01 through D05_08 are all within the Agency Information Structure

Field Values

A unique value; no variable list is possible.

Additional Information

- Multiple Entry Configuration for D05_01 through D05_08

Uses

- Allows data to be sorted based on an agency's Station Name
- Component of the EMS Agency's Station Address

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number	D05_02 Station Number
D05_04 Station GPS	D05_05 Station Address
D05_06 Station City	D05_07 Station State
D05_08 Station Zip	

Validation Rules maintained as demographic data

Quality Measure 100%

STATION NUMBER

D05_02

Data [text]

Definition

ID number of the agency's station as determined by the agency

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *StationNumber*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 50
XSD Structure: Data Elements D05_01 through D05_08 are all within the Agency Information Structure

Field Values

A unique value; no variable list is possible. -25 Not Applicable
~~-20 Not Recorded~~ ~~-15 Not Reporting~~
~~-10 Not Known~~ ~~-5 Not Available~~

Uses

- Allows data to be sorted based on an agency's Station Number

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number	D05_01 Station Name
D05_04 Station GPS	D05_05 Station Address
D05_06 Station City	D05_07 Station State
D05_08 Station Zip	E00 Common Null Values

Validation Rules maintained as demographic data

Quality Measure 100%

STATION GPS

D05_04

Data [text]

Definition

The GPS coordinate for the agency's station

XSD Data Type *xs:decimal* **XSD Domain (Simple Type)** *GPSLocation*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** **No**

Required in VA-XSD Yes/Demographic

XSD Structure: Data Elements D05_01 through D05_08 are all within the Agency Information Structure

XSD Attributes: Latitude and Longitude are each included as attributes

Field Values

A unique value; no variable list is possible.

Uses

- Allows data to be sorted based on an agency's Station GPS and data reporting by GIS systems

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number	D05_01 Station Name
D05_02 Station Number	D05_05 Station Address
D05_06 Station City	D05_07 Station State
D05_08 Station Zip	

Validation Rules maintained as demographic data

Quality Measure 100%

STATION ADDRESS

D05_05

Data [text]

Definition

Address of the agency's station

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *StreetAddress*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) Data Elements D05_01 through D05_08 are all within the Agency Information Structure. (2) Data Elements D05_05, D05_06, D05_07, and D05_08 are all members of D05_05 Station Address Structure

Field Values

A unique value; no variable list is possible.

-20 Not Recorded

-10 Not Known

-25 Not Applicable

-15 Not Reporting

-5 Not Available

Uses

- Component of the EMS Agency's Station Address

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number

D05_02 Station Number

D05_06 Station City

D05_08 Station Zip

D05_01 Station Name

D05_04 Station GPS

D05_07 Station State

E00 Common Null Values

Validation Rules maintained as demographic data

Quality Measure 100%

STATION CITY/COUNTY

D05_06

Data [combo] single-choice

Definition

City or county name that the station is located

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *City*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) Data Elements D05_01 through D05_08 are all within the Agency Information Structure. (2) Data Elements D05_05, D05_06, D05_07, and D05_08 are all members of D05_05 Station Address Structure

Field Values

A unique value; no variable list is possible.

-20 Not Recorded	-25 Not Applicable
-10 Not Known	-15 Not Reporting
	-5 Not Available

Additional Information

- 5 digit FIPS code
- Could be filled in from Station Zip Code entry (D05_08)

Uses

- Component of the EMS Agency's Station Address

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number	D05_01 Station Name
D05_02 Station Number	D05_04 Station GPS
D05_05 Station Address	D05_07 Station State
D05_08 Station Zip	E00 Common Null Values

Validation Rules maintained as demographic data

Quality Measure 100%

STATION STATE

D05_07

Data [combo] single-choice

Definition

State of the agency's station

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *State*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 3

XSD Structure: (1) Data Elements D05_01 through D05_08 are all within the Agency Information Structure. (2) Data Elements D05_05, D05_06, D05_07, and D05_08 are all members of D05_05 Station Address Structure

Field Values

A unique value; no variable list is possible.

-20 Not Recorded	-25 Not Applicable
-10 Not Known	-15 Not Reporting
	-5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Station Zip Code entry (D05_08)

Uses

- Component of the EMS Agency's Station Address

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number	D05_01 Station Name
D05_02 Station Number	D05_04 Station GPS
D05_05 Station Address	D05_06 Station City
D05_08 Station Zip	E00 Common Null Values

Validation Rules maintained as demographic data

Quality Measure 100%

STATION ZIP

D05_08

Data [text]

Definition

ZIP Code of the agency's station

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *DemographicZip*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** No

Required in VA-XSD Yes/Demographic **Minimum Constraint** 5 **Maximum Constraint** 10

XSD Structure: (1) Data Elements D05_01 through D05_08 are all within the Agency Information Structure. (2) Data Elements D05_05, D05_06, D05_07, and D05_08 are all members of D05_05 Station Address Structure

Field Values

A unique value; no variable list is possible.

Additional Information

- Can be 5 or 9 digit Zip Code

Uses

- Component of the EMS Agency's Station Address

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number

D05_02 Station Number

D05_05 Station Address

D05_07 Station State

D05_01 Station Name

D05_04 Station GPS

D05_06 Station City

Validation Rules maintained as demographic data

Quality Measure 100%

UNIT/VEHICLE NUMBER

D06_01

Data [text]

Definition

The unique ID number of the unit which is specific for each vehicle; typically the VIN associated with the vehicle

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *VehicleNumber*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 50

Structure: (1) Data Elements D06_01, D06_03, and D06_07 are all within the Vehicle Information Structure

Field Values

A unique value; no variable list is possible.

Additional Information

- Multiple Entry Configuration for D06_01, D06_03, and D06_07

Uses

- Allows data to be sorted based on an agency's Unit Number
- Provides geographic descriptive data on EMS agencies
- Used to create a list box for EMS Unit/Vehicle Number (E02_11)

Data Collector

- EMS Agency and typically only documented once when vehicle is put in service at the agency. Vehicle permanently put out of service should be inactivated and not deleted

Other Associated Elements

D01_01 EMS Agency Number **D06_03** Vehicle Type

Validation Rules maintained as demographic data

Quality Measure 95%

VEHICLE TYPE

D06_03

Data [combo] single-choice

Definition

Vehicle type of unit (ambulance, fire, truck, etc.)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *VehicleType*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No

Required in VA-XSD Yes/Demographic

XSD Structure: (1) Data Elements D06_01, D06_03, and D06_07 are all within the Vehicle Information Structure

Field Values

7370 Ambulance	7380 ATV
7390 Bicycle	7400 Boat
7410 Fire Truck	7420 Fixed Wing
7430 Motorcycle	7440 Other
7450 Private Vehicle	7460 Quick Response Vehicle (Non-Transport Vehicle other than Fire Truck)
7470 Rescue (extrication/specialty rescue unit)	7480 Helicopter/Rotor Craft

Uses

- Allows data to be sorted based on the Vehicle Type

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number **D06_01** Unit/Vehicle Number

Validation Rules maintained as demographic data

Quality Measure 95%

VEHICLE MODEL YEAR

D06_07

Data [number]

Definition

The year the vehicle was manufactured. This is defined by the year of the VIN, understanding that some parts of the vehicle may not be original.

XSD Data Type *xs:gYear* **XSD Domain (Simple Type)** *VehicleYear*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in VA-XSD Yes/Demographic **Minimum Constraint** 1,900 **Maximum Constraint** 2,030
XSD Structure: (1) Data Elements D06_01, D06_03, and D06_07 are all within the Vehicle Information Structure

Field Values

A unique value; no variable list is possible.

Additional Information

- Format [YYYY]

Uses

- Provides description of EMS agencies and resources

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number **D06_01** Unit/Vehicle Number

Validation Rules maintained as demographic data

Quality Measure 95%

STATE/LICENSURE ID NUMBER

D07_02

Data [text]

Definition

The OEMS assigned (not national registry or agency) EMS certification number assigned to each crew member.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *StateLicensureID*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** No

Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 15

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.

(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure.

Note: third party vendor software can be used to add additional staff members, but deletions will need to be done via State Bridge.

Field Values

A unique value; no variable list is possible.

Additional Information

- This could be used to configure a list box which will display all of the values of an EMS Personnel's Name recorded in D08_01 through D08_03

Uses

- Allows data to be sorted or grouped based on an Individual's State ID
 - Used to create a list box for Crew Member ID (E04_01), and Crew Member ID (E18_09),

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed.

Other Associated Elements

D01_01 EMS Agency Number **D08_01** EMS Personnel's Last Name

Validation Rules maintained as demographic data

Quality Measure 100%

PERSONNEL'S LEVEL OF CERTIFICATION/LICENSURE FOR AGENCY

D07_05

Data [combo] single-choice

Definition

This is the level of certification that the provider is allowed to function at for the agency. (i.e. may be certified by OEMS as a paramedic but only allowed to operate as an driver or EMT)

XSD Data Type *xs:string/integer* **XSD Domain (Simple Type)** *DemographicStateCertificationLicensureLevels*

Multiple Entry Configuration Yes, for Structures 1 and 3 **Accepts Null Values** No

Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.

(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D07_05 is a member of D07_05 Level of Certification Structure

Note: third party vendor software can be used to add additional staff members, but deletions will need to be done via State Bridge.

Field Values

6090 EMT-Basic	6100 EMT-Intermediate
6110 EMT-Paramedic	6111 Nurse
6112 Physician	6120 First Responder
446005 EMT-Enhanced (other not accepted)	446005 Driver/Operator (other not accepted)

Additional Information

Uses

- Allows data to be sorted or grouped based on an Individual's Credentialed Level
- Provides description of EMS agencies and resources

Data Collector

- EMS Agency and typically only documented once then verified and updated if changed

Other Associated Elements

D01_01 EMS Agency Number
D07_02 State/Licensure ID Number

Validation Rules maintained as demographic data

Quality Measure 95%

EMS PERSONNEL'S LAST NAME

D08_01

Data [text]

Definition

Last Name of personnel

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *DemographicLastName*

Multiple Entry Configuration Yes, via structure 2 **Accepts Null Values** No

Required in VA-XSD Yes/Demographic **Minimum Constraint** 2 **Maximum Constraint** 20

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.

(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_01, D08_02, and D08_02 are members of D08_01_0 Personnel Name Structure

Note: third party vendor software can be used to add additional staff members, but deletions will need to be done via State Bridge.

Field Values

A unique value; no variable list is possible.

Uses

- Component of the EMS Personnel's Contact Information/ Address
- Used to personalize reports associated with the EMS Personnel

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01 EMS Agency Number

D07_02 State/Licensure ID Number

Validation Rules maintained as demographic data

Quality Measure 95%

EMS PERSONNEL'S MIDDLE NAME/INITIAL

D08_02

Data [text]

Definition

Middle name or initial of personnel

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *MiddleInitialName*
Multiple Entry Configuration Yes, via structure 2 **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 20

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_01, D08_02, and D08_02 are members of D08_01_0 Personnel Name Structure.

Note: third party vendor software can be used to add additional staff members, but deletions will need to be done via State Bridge.

Field Values

A unique value; no variable list is possible.

-20 Not Recorded	-25 Not Applicable
-10 Not Known	-15 Not Reporting
	-5 Not Available

Uses

- Component of the EMS Personnel's Contact Information/ Address
- Used to personalize reports associated with the EMS Personnel

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01 EMS Agency Number	D07_02 State/Licensure ID Number
D08_01 EMS Personnel's Last Name	E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

STATE EMS CERTIFICATION LICENSURE LEVEL

D08_15

Data [combo] single-choice

Definition

The personnel's level of certification assigned by the OEMS

XSD Data Type *xs:string/integer* **XSD Domain (Simple Type)** *DemographicStateCertificationLicensureLevels*

Multiple Entry Configuration Yes, via structure 2 and 3 **Accepts Null Values** No

Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.

(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure

Note: third party vendor software can be used to add additional staff members, but deletions will need to be done via State Bridge.

Field Values

6090 EMT-Basic	6100 EMT-Intermediate
6110 EMT-Paramedic	6111 Nurse
6112 Physician	6120 First Responder
446005 EMT-Enhanced (other not accepted)	446005 Driver/Operator (other not accepted)

Additional Information

- Multiple entry configuration to allow multiple levels for each personnel over time
- Other variables as defined in State Certification/ Licensure Level (D04_01)

Uses

- Allows data to be sorted or grouped based on an Individual's Credentialed Level
- Provides description of EMS agencies based on credentialing levels recognized by the state

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01 EMS Agency Number	D07_02 State/Licensure ID Number
D08_01 EMS Personnel's Last Name	

Validation Rules maintained as demographic data

Quality Measure 95%

SOFTWARE CREATOR

E01_02

Data [text]

National Element

Definition

The name of the software vendor by whom the data collection software was developed

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>SoftwareCreatedBy</i>
Multiple Entry Configuration No	Accepts Null Values No
Required in VA-XSD Yes	Minimum Constraint 3 Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection
- Assists with technical support and trouble shooting

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

Validation Rules For agencies utilizing non-OEMS EMS maintained as demographic data if applicable software programs

Quality Measure 100%

SOFTWARE NAME

E01_03

Data [text]

National Element

Definition

The name of the software package with which the data was collected by the agency

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>SoftwareName</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD	Yes	Minimum Constraint	3
		Maximum Constraint	30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection
- Assists with technical support and trouble shooting

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules For agencies utilizing non-OEMS EMS maintained as demographic data if applicable software programs

Quality Measure 100%

SOFTWARE VERSION

E01_04

Data [text]

National Element

Definition

The version of the software used by the agency to collect the data

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>SoftwareVersion</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD	Yes	Minimum Constraint	3
		Maximum Constraint	30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection
- Assists with technical support and trouble shooting

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

Validation Rules For agencies utilizing non-OEMS EMS maintained as demographic data if applicable software programs

Quality Measure 100%

EMS AGENCY NUMBER

E02_01

Data [text]

National Element

Definition

The five digit OEMS assigned agency number of the EMS agency

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EMSAgencyNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD	Yes	Minimum Constraint	3
		Maximum Constraint	15

Field Values

A unique value; no variable list is possible.

Additional Information

- Not Nullable. A unique value must be provided to create a unique record ID within a database
- Same as EMS Agency Number (D01_01)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Agency number (E02_01), agency state (D01_03), unit call sign (E02_12), combine to create a unique identifier
- Allows data to be sorted by the EMS Agency
- Important for grouping and comparing EMS Agencies in Benchmarking and Quality Management
- When linked to D01_02 provides the Agency name on the EMS Medical Record: Patient Care Report

Data Collector

- Typically generated by the State EMS Regulatory Office. Collected by the EMS agency or auto-generated by the EMS agency specific software.

Other Associated Elements

References to Other Databases

- VSTR – Agency Code
- NFIRS 5.0 - EMS Module; Title: Patient Number

Validation Rules Included in all submitted records

Quality Measure 100%

References to Other Databases

- VSTR – trauma registry

INCIDENT NUMBER

E02_02

Data [text]

Definition

The incident number assigned by the 911 Dispatch System. State Bridge or Field Bridge can be used to provide this number for systems that do not receive incident numbers from their dispatch centers.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>IncidentNumber</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 15

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Uses

- Component of the EMS Agency 911 or Dispatch information which serves as a link to identify and report other Dispatch information

Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records

Quality Measure 95%

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Incident Number; Unique number for each Incident

TYPE OF SERVICE REQUESTED

E02_04

Data [combo] single-choice

National Element

Definition

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

XSD Data Type <i>xs:integer</i>	XSD Domain (Simple Type) <i>TypeOfServiceRequested</i>
Multiple Entry Configuration No	Accepts Null Values No
Required in VA-XSD Yes	

Field Values

30 911 Response (Scene) (Default)	35 Rendezvous/Intercept
40 Interfacility Transfer (scheduled)	45 Medical Transport
50 Mutual Aid	55 Standby
410000 Interfacility Transfer (unscheduled)	410001 Flagdown/Walk-in Emergent
410002 Flagdown/Walk-in Non-emergent	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the Type of Service Requested
- Provides descriptive data on EMS call volume and service provided

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

Validation Rules Included in all submitted records

Quality Measure 95%

PRIMARY ROLE OF THE UNIT

E02_05

Data [combo] single-choice

National Element

Definition

The primary role of the EMS service which was requested for this specific EMS incident.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PrimaryRollOfTheUnit*
Multiple Entry Configuration No **Accepts Null Values** No
Required in VA-XSD Yes

Field Values

411000 ALS Ground Transport	411001 BLS Ground Transport
65 ALS First Responder	411015 BLS First Responder
4 11006 Medevac/HEMS	70 Supervisor
411002 Critical care Ground Transport	411003 Rescue (extrication etc.)
411005 Other Transport	

Uses

- A component of the EMS Medical Record
- Allows data to be sorted by the role of the responding unit
- Provides descriptive data on EMS call volume and service provided

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

Validation Rules Included in all submitted records

Quality Measure 95%

TYPE OF DISPATCH DELAY

E02_06

Data [combo] multiple-choice

National Element

Definition

The dispatch delays, if any, associated with the dispatch of the EMS unit to the patient encounter

XSD Data Type <i>xs:integer</i>	XSD Domain (Simple Type) <i>TypeOfDispatchDelay</i>
Multiple Entry Configuration Yes	Accepts Null Values Yes
Required in VA-XSD Yes	

Field Values

- | | |
|---------------------------------------|--|
| -25 Not Applicable (default) | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 80 Caller (Uncooperative) |
| 85 High Call Volume | 90 Language Barrier |
| 95 Location (Inability to Obtain) | 100 No Units Available |
| 105 None | 110 Other |
| 115 Scene Safety (Not Secure for EMS) | 120 Technical Failure (Computer, Phone etc.) |

Uses

- Allows data to describe the status of Dispatch issues

Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

TYPE OF RESPONSE DELAY

E02_07

Data [combo] multiple-choice

National Element

Definition

The response delays, if any, of the unit associated with the patient encounter

XSD Data Type <i>xs:integer</i>	XSD Domain (Simple Type) <i>TypeOfResponseDelay</i>
Multiple Entry Configuration Yes	Accepts Null Values Yes
Required in VA-XSD Yes	

Field Values

-25 Not Applicable (Default)	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	125 Crowd
130 Directions	135 Distance
140 Diversion	145 HazMat
150 None	155 Other
160 Safety	165 Staff Delay
170 Traffic	175 Vehicle Crash
180 Vehicle Failure	185 Weather

Uses

- Allows data describe Vehicle Failures and Vehicle Crashes
- Allows data to describe the status of Response issues

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

TYPE OF SCENE DELAY

E02_08

Data [combo] multiple-choice

National Element

Definition

The scene delays, if any, of the unit associated with the patient encounter

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TypeOfSceneDelay*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable (Default)	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	190 Crowd
195 Directions	200 Distance > Normal
205 Diversion	210 Extrication >20 min.
215 HazMat	220 Language Barrier
225 None	230 Other
235 Safety	240 Staff Delay
245 Traffic	250 Vehicle Crash
255 Vehicle Failure	260 Weather
414000 Patient Access Delay (lockout/Physical)	

Uses

- Allows data describe Vehicle Failures and Vehicle Crashes
- Allows data to describe the status of Scene issues

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

TYPE OF TRANSPORT DELAY

E02_09

Data [combo] multiple-choice

National Element

Definition

The transport delays, if any, of the unit associated with the patient encounter

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TypeOfTransportDelay*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

- | | |
|------------------------------|-----------------------|
| -25 Not Applicable (default) | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 265 Crowd |
| 270 Directions | 275 Distance > Normal |
| 280 Diversion | 285 HazMat |
| 290 None | 295 Other |
| 300 Safety | 305 Staff Delay |
| 310 Traffic | 315 Vehicle Crash |
| 320 Vehicle Failure | 325 Weather |
| 415000 Train | |

Uses

- Allows data describe Vehicle Failures and Vehicle Crashes
- Allows data to describe the status of Transport issues

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

TYPE OF TURN-AROUND DELAY

E02_10

Data [combo] multiple-choice

National Element

Definition

The turn-around delays, if any, associated with the EMS unit associated with the patient encounter

XSD Data Type <i>xs:integer</i>	XSD Domain (Simple Type) <i>TypeOfTurnAroundDelay</i>
Multiple Entry Configuration Yes	Accepts Null Values Yes
Required in VA-XSD Yes	

Field Values

- | | |
|--|---|
| -25 Not Applicable (Default) | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 330 Clean-up |
| 335 Decontamination | 340 Documentation |
| 345 ED Overcrowding | 350 Equipment Failure |
| 355 Equipment Replenishment | 360 None |
| 365 Other | 370 Staff Delay |
| 375 Vehicle Failure | 416002 Equipment Replenishment-Restocking |
| 416001 Equipment Replenishment-Drug Box Exchange | |

Uses

- Allows data describe ED overcrowding and Vehicle Failure
- Allows data to describe the status of call time issues

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

EMS UNIT CALL SIGN (RADIO NUMBER)

E02_12

Data [combo] single-choice

National Element

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.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>EMSUnitCallSign</i>
Multiple Entry Configuration No	Accepts Null Values No
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 15

Field Values

A unique value; no variable list is possible.

- 25 Not Applicable
- 20 Not Recorded
- 15 Not Reporting
- 10 Not Known
- 5 Not Available

Additional Information

- Not Nullable. A unique value must be provided to create a unique record ID within a database

Uses

- Allows data at the vehicle level to better describe EMS vehicle usage and possibly maintenance
- Important for grouping or comparing data by Response Vehicle which also allows data to be sorted by location in many agencies

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

Validation Rules Included in all submitted records

Quality Measure 95%

RESPONSE MODE TO SCENE

E02_20

Data [combo] single-choice

National Element

Definition

Indication whether or not lights and/or sirens were used on the vehicle on the way to the scene

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ResponseModeToScene*

Multiple Entry Configuration No **Accepts Null Values** No

Required in VA-XSD Yes

Field Values

- | | |
|---|---|
| 380 Initial Lights and Sirens, Downgraded to No Lights or Sirens | 385 Initial No Lights or Sirens, Upgraded to Lights and Sirens |
| 390 Lights and Sirens | 395 No Lights or Sirens |

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the Response Mode
- Allows data to describe the use of emergent response

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

Validation Rules Included in all submitted record when E02_04 is 30-911 Response, 35-Rendezvous/Intercept, 50-mutual Aid, 410000-Unscheduled Interfacility Transport

Quality Measure 95%

COMPLAINT REPORTED BY DISPATCH

E03_01

Data [combo] single-choice

National Element

Definition

The complaint dispatch reported to the responding unit.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ComplaintReportedByDispatch*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	400 Abdominal Pain
405 Allergies	410 Animal Bite
415 Assault	420 Back Pain
425 Breathing Problem	430 Burns
435 CO Poisoning/Hazmat	440 Cardiac Arrest
445 Chest Pain	450 Choking
455 Convulsions/Seizure	460 Diabetic Problem
465 Drowning	470 Electrocutation
475 Eye Problem/Injury	480 Fall Victim
485 Headache	490 Heart Problems
495 Heat/Cold Exposure	500 Hemorrhage/Laceration
505 Industrial Accident/Inaccessible Incident/Other Entrapments (non-vehicle)	510 Ingestion/Poisoning
515 Pregnancy/Childbirth	520 Psychiatric Problem
525 Sick Person	530 Stab/Gunshot Wound
535 Stroke/CVA	540 Traffic Accident
545 Traumatic Injury	550 Unconscious/Fainting
555 Unknown Problem/Man Down	560 Routine Transfer
565 MCI (Mass Casualty Incident)	435011 Altered Mental Status
435000 Assault-Sexual	435008 Auto vs. Pedestrian
435013 Fire Stand-by	435014 HazMat Stand-by
435001 Rendezvous/Intercept	435012 Invalid Assist/Lifting Assist
435009 Machine/Equipment Injury	435002 Medical Alarm
435003 Medical Transport	435004 Other
435005 Overdose	435006 Pain
435010 Respiratory Arrest	435007 Stand-by

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the Dispatch Complaint
- Allows data to describe Patient Complaint as reported by Dispatch

Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number

Validation Rules Included in all submitted records

Quality Measure 95%

EMD PERFORMED

E03_02

Data [combo] single-choice

National Element

Definition

Indication of whether EMD was performed for this EMS event if known.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EMDPerformed*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in VA-XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

570 Yes, With Pre-Arrival Instructions

575 Yes, Without Pre-Arrival Instructions

Uses

- Allows data to be sorted by the Dispatch Complaint
- Allows data to describe Patient Complaint as reported by Dispatch

Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

CREW MEMBER ID

E04_01

Data [text]

Definition

The State Certification/Licensure ID number assigned to the crew member

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>CrewMemberID</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 15

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- A multiple entry configuration to allow all crew members to be entered
- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/ Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, and D08_02 are for easy data entry

Uses

- A component of the EMS Medical Record: Patient Care Report
- Associates an EMS event with specific EMS personnel
- Useful for reporting EMS personnel statistics related to EMS events and evaluation of EMS personnel performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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Validation Rules Included in all submitted records

Quality Measure 95%

PSAP CALL DATE/TIME

E05_02

Data [date/time]

National Element

Definition

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

XSD Data Type <i>xs:dateTime</i>	XSD Domain (Simple Type) <i>DateTime</i>
Multiple Entry Configuration No	Accepts Null Values Yes, but null value is blank or empty
Required in VA-XSD Yes	Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on Date and Time
- Allows data to describe EMS use by Date and Time, Day of the Week, etc

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules 95%

Quality Measure 95%

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Incident Date; The date the Fire Department received the incident alarm

DISPATCH NOTIFIED DATE/TIME

E05_03

Data [date/time]

Definition

The date/time dispatch notified/assigned the call to the responding unit

XSD Data Type <i>xs:dateTime</i>	XSD Domain (Simple Type) <i>DateTime</i>
Multiple Entry Configuration No	Accepts Null Values Yes, but null value is blank or empty
Required in VA-XSD Yes	Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- Provides information on how EMS requests are progressing through the PSAP and Dispatch Centers
- Used in the Quality Management evaluation of the PSAP and Dispatch Centers

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

UNIT EN ROUTE DATE/TIME

E05_05

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

UNIT ARRIVED ON SCENE DATE/TIME

E05_06

Data [date/time]

National Element

Definition

The date/time the responding unit arrived on the scene; that is, the time the vehicle stopped moving

XSD Data Type <i>xs:dateTime</i>	XSD Domain (Simple Type) <i>DateTime</i>
Multiple Entry Configuration No	Accepts Null Values Yes, but null value is blank or empty
Required in VA-XSD Yes	Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

ARRIVED AT PATIENT DATE/TIME

E05_07

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- Provides more accurate information on the true response time of EMS to the patient’s side
- Used in Quality Management evaluation of EMS response and performance especially in areas where patient location may be distant from the EMS vehicle

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date/Time Arrived; The date and time fire fighters arrived at the patient.

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDs – DMV crash data

TRANSFER OF PATIENT CARE DATE/TIME

E05_08

Data [date/time]

Definition

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

XSD Data Type <i>xs:dateTime</i>	XSD Domain (Simple Type) <i>DateTime</i>
Multiple Entry Configuration No	Accepts Null Values Yes, but null value is blank or empty
Required in VA-XSD Yes	Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- Important for Quality Management when the patient is cared for by more than one EMS agency
- Provides documentation of how the patient progresses through the EMS agency

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date/Time Transfer; The date and time fire fighters transferred the care of the patient to another EMS agency.

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4845-Treated, Transferred Care,

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

UNIT LEFT SCENE DATE/TIME

E05_09

Data [date/time]

National Element

Definition

The date/time the responding unit left the scene (started moving)

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

PATIENT ARRIVED AT DESTINATION DATE/TIME

E05_10

Data [date/time]

National Element

Definition

The date/time the responding unit arrived with the patient at the destination (hospital) or transfer point (Rendezvous)

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated.

Quality Measure 95%

UNIT BACK IN SERVICE DATE/TIME

E05_11

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

Accepts Null Values No

Required in VA-XSD Yes

Minimum Constraint 1,990 **Maximum Constraint** 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records

Quality Measure n/a

UNIT BACK AT HOME LOCATION DATE/TIME

E05_13

Data [date/time]

National Element

Definition

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

XSD Data Type <i>xs:dateTime</i>	XSD Domain (Simple Type) <i>DateTime</i>
Multiple Entry Configuration No	Accepts Null Values Yes, but null value is blank or empty
Required in VA-XSD Yes	Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

Data Collector

- EMS personnel or 911/Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all submitted records

Quality Measure n/a

PATIENT LAST NAME

E06_01

Data [text]

Definition

The patient's last (family) name

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *LastName*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 20
XSD Structure: E06_01 and E06_02 are all members of the E06_01_0 Patient Name Structure

Field Values

Additional Information

- Local Policy should dictate how Last Name and First Name should be created if Unknown

Uses

- Allows a patient's information to be stored and retrieved by Name
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc
- Provides data linkage variable

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_02 First Name	E06_03 Middle Initial/Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDs – DMV crash data
- VHI – hospital discharge data

PATIENT FIRST NAME

E06_02

Data [text]

Definition

The patient's first (given) name

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *FirstName*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 20

XSD Structure: E06_01, E06_02, and E06_03 are all members of the E06_01_0 Patient Name Structure

Field Values

Additional Information

- Local Policy should dictate how Last Name and First Name should be created if Unknown

Uses

- Allows a patient's information to be stored and retrieved by Name
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values **E06_01** Last Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDs – DMV crash data
- VHI – hospital discharge data

PATIENT'S HOME CITY

E06_05

Data [combo] single-choice

Definition

The patient's home city or township or residence

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *City*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: E06_05 and E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values

Additional Information

- 5 digit FIPS Code
- Could be filled in from Patient's Home Zip (E06_08)

Uses

- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values **E06_01** Last Name
E06_08 Patient's Home Zip Code

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure n/a

References to Other Databases

- VSTR – trauma registry
- TREDIS – DMV crash data
- VHI – hospital discharge data

PATIENT'S HOME ZIP CODE

E06_08

Data [text]

National Element

Definition

The patient's home ZIP code of residence

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *Zip*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 10
XSD Structure: E06_05 and E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- Can be stored as a 5 or 9 digit code

Uses

- Allows data to be sorted based on the geographic location of the patient's home
- Allows data to describe geographic location of the patient's home
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E06_01 Last Name
E06_08 Patient's Home Zip Code	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%]

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data
- VHI – hospital discharge data

PATIENT'S HOME COUNTRY

E06_09

Data [combo] single-choice

Definition

The country the patient claims as their current place of residence

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>Country</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 20

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- Stored as a FIPS code

Uses

- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_01 Last Name	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure n/a

PATIENT'S SOCIAL SECURITY NUMBER

E06_10

Data [number]

Definition

The patient's social security number

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>SocialSecurityNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in VA-XSD	Yes	Minimum Constraint	2
		Maximum Constraint	9

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Uses

- Key component of an EMS Medical Record
- Provides vital data linkage variable

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_01 Last Name	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated AND E06_19 is null.

Quality Measure E06_10 (SSN) and E06_19 (DL#) total should be 80% of all records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS AND when E06_14 is >18 and E06_15 is years.

References to Other Databases

- VSTR – trauma registry
- TREDIS – DMV crash data
- VHI – hospital discharge data

PATIENT'S GENDER

E06_11

Data [combo] single-choice

National Element

Definition

The patient's gender

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Gender*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in VA-XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known (must be rare with patient contacts <1%)

-5 Not Available

650 Male

655 Female

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on gender
- Allows data to describe the gender of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values

E06_01 Last Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

References to Other Databases

- VSTR – trauma registry
- TREDIS – DMV crash data
- VHI – hospital discharge data
- NFIRS 5.0 EMS Module; Title: Gender; Pick-List: Male = 1, Female = 2

PATIENT'S RACE

E06_12

Data [combo] single-choice

National Element

Definition

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

XSD Data Type <i>xs:integer</i>	XSD Domain (Simple Type) <i>Race</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in VA-XSD Yes	

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	660 American Indian or Alaska Native
665 Asian	670 Black or African American
675 Native Hawaiian or Other Pacific Islander	680 White
685 Other Race	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on race as required from a state and federal government reporting perspective
- Allows data to describe the race of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E06_01 Last Name
-------------------------------	-------------------------

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Race; Pick-List: White = 1, Black = 2, American Indian, Eskimo, Aleut = 3, Asian = 4, Other, Multi-racial = 0, Race Undetermined = U

PATIENT'S ETHNICITY

E06_13

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *Ethnicity*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	690 Hispanic or Latino
695 Not Hispanic or Latino	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on ethnicity as required from a state and federal government reporting perspective
- Allows data to describe the ethnicity of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values **E06_01** Last Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Ethnicity; Check-Box: Hispanic = Yes or No

PATIENT'S AGE

E06_14

Data [number]

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Age*

Multiple Entry Configuration No
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1

Maximum Constraint 120

XSD Structure: E06_14 and E06_15 are members of the E06_14_0 Patient's Age Structure

Field Values

Additional Information

- Could be calculated from Date of Birth (E06_16)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on age
- Allows data to describe the age of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E01_01 Patient Care Report Number

E06_01 Last Name

E06_15 Age Units

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Age; The age of the patient or best approximation. If less than one year then enter the number of months.
- VSTR – trauma registry
- TREDIS – DMV crash data
- VHI – hospital discharge data

AGE UNITS

E06_15

Data [combo] single-choice

National Element

Definition

The units which the age is documented in (Hours, Days, Months, Years)

XSD Data Type <i>xs:integer</i>	XSD Domain (Simple Type) <i>AgeUnits</i>
Multiple Entry Configuration No	Accepts Null Values Yes

Required in VA-XSD Yes

XSD Structure: E06_14 and E06_15 are members of the E06_14_0 Patient's Age Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	700 Hours
705 Days	710 Months
715 Years	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on age
- Allows data to describe the age of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_14 Age	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

DATE OF BIRTH

E06_16

Data [date]

Definition

The patient's date of birth

XSD Data Type <i>xs:date</i>	XSD Domain (Simple Type) <i>DateOfBirth</i>
Multiple Entry Configuration No	Accepts Null Values No
Required in VA-XSD Yes	Minimum Constraint 1,890 Maximum Constraint 2,030

Field Values

Uses

- Key component of an EMS Medical Record
- Provides important information which will allow EMS data to be sorted, grouped and evaluated by age demographics

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E01_01 Patient Care Report Number **E06_01** Last Name

Validation Rules 1 Included in all submitted records when E20_10-Incident Disposition is, 4850-Treated, Transported by EMS, 4855-Treated.

Quality Measure 90%

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure n/a

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date of Birth; The date of birth of the patient in MMDDYYYY format.
- VSTR – trauma registry
- TREDS – DMV crash data
- VHI – hospital discharge data

STATE ISSUING DRIVER'S LICENSE

E06_18

Data [combo] single-choice

Definition

The state that issued the patient's driver's license

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *State*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 3
XSD Structure: E06_18 and E06_19 are members of the E06_19_0 Patient's Drivers License Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- 2 digit FIPS Code

Uses

- Can provide linkage back to DMV databases for additional patient and event information
- Form of identification to allow verification of the patient's identify and contact information

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values **E06_01** Last Name
E06_19 Driver's License Number

Validation Rules Included in all submitted records when E06_19 is used.

Quality Measure 95%

DRIVER'S LICENSE NUMBER

E06_19

Data [text]

Definition

The patient's driver's license number

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *DriversLicenseNumber*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 30

XSD Structure: E06_18 and E06_19 are members of the E06_19_0 Patient's Drivers License Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Uses

- Can provide linkage back to DMV databases for additional patient and event information
- Form of identification to allow verification of the patient's identify and contact information

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E06_01 Last Name
E06_18 State Issuing Driver's License	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated AND E06_10 is null.

Quality Measure E06_10 (SSN) and E06_19 (DL#) total should be 80% of all records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS AND when E06_14 is >18 and E06_15 is years.

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

PRIMARY METHOD OF PAYMENT

E07_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PrimaryMethodOfPayment*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Agency Does Not Bill (change from common null value)	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	720 Private Insurance
725 Medicaid	730 Medicare
735 Not Billed (for any reason)	740 Other Government (i.e. Military)
745 Self Pay	750 Workers Compensation

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the payer mix
- Allows data to describe the EMS patient population's payer mix

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values **E06_01** Last Name

Validation Rules n/a

Quality Measure n/a

OTHER EMS AGENCIES AT SCENE

E08_01

Data [combo] multiple-choice

Definition

Other EMS agencies that were at the scene, if any

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>OtherEMSAgenciesAtScene</i>
Multiple Entry Configuration Yes	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 30

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- This is the Agency Name, not the EMS Agency Number

Uses

- Allows EMS reports to be generated describing all of the resources used in an EMS event
- Allows for the evaluation of an EMS response or of EMS responses over time to adjust agency components and plans

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure absence of any records in a known tiered system

NUMBER OF PATIENTS AT SCENE

E08_05

Data [combo] single-choice

National Element

Definition

Indicator of how many total patients were at the scene

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *NumberOfPatientsAtScene*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1120 None
1125 Single	1130 Multiple

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the number of patients associated with the event and resources required
- Allows data to describe the number of EMS events with multiple patient encounters

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Number of Patients; The total number of patients.

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated AND E06_19 is null.

Quality Measure E06_10 (SSN) and E06_19 (DL#) total should be 80% of all records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS AND when E06_14 is >18 and E06_15 is years.

MASS CASUALTY INCIDENT

E08_06

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in VA-XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on a Mass Casualty Event
- Allows data to describe the number of EMS events which were declared a mass casualty event and is connected with disaster and domestic preparedness

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

INCIDENT LOCATION TYPE

E08_07

Data [combo] single-choice

National Element

Definition

The kind of location where the incident happened

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *IncidentLocationType*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

- | | |
|--|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 1135 Home/Residence |
| 1140 Farm | 1145 Mine or Quarry |
| 1150 Industrial Place and Premises | 1155 Place of Recreation or Sport |
| 1160 Street or Highway | 1165 Public Building (schools, gov. offices) |
| 1170 Trade or service (business, bars, restaurants, etc) | 1175 Health Care Facility (clinic, hospital, nursing home) |
| 1180 Residential Institution (Nursing Home, jail/prison) | 1185 Lake, River, Ocean |
| 1190 Other Location | 536000 Airport |
| 536007 Unspecified place | |

Additional Information

- Based on ICD-9 Coding

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the Incident Location and Type
- Allows data to describe the Incident Location and the distribution of EMS events

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

INCIDENT ADDRESS

E08_11

Data [text]

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *StreetAddress*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: E08_11, E08_12, E08_14, E08_15 are all members of E08_11_0 Incident Address Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Scene location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E08_07 Incident Location Type	E08_12 Incident City
E08_14 Incident State	E08_15 Incident ZIP Code

Validation Rules Included in all submitted records

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDIS – DMV crash data

INCIDENT ZIP CODE

E08_15

Data [text]

National Element

Definition

The ZIP code of the incident location

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>Zip</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 10

XSD Structure: E08_11 and E08_15 are all members of E08_11_0 Incident Address Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the geographic location of the EMS Incident
- Allows data to describe geographic location of the EMS Incident

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

E00 Common Null Values	E08_07 Incident Location Type
E08_11 Incident Address	

Validation Rules Included in all submitted records

Quality Measure 95%

References to Other Databases

- VSTR – trauma registry
- TREDS – DMV crash data

POSSIBLE INJURY

E09_04

Data [combo] single-choice

National Element

Definition

Indicates that the reason for the EMS encounter was related to an injury or traumatic event. 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

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>YesNoValues</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in VA-XSD	Yes		

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	0 No
1 Yes	

Additional Information

- Can be used to determine which records should have Section E10: Situation/ Trauma completed. If Injury Present (E09_04) is "Yes", Section E10 should be completed
- Possible Injury (E09_04), Chief Complaint Anatomic Location (E09_11), Chief Complaint Organ System (E09_12), and Primary Symptom (E09_13) are required to calculate the Reason for Encounter

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on trauma vs. non-traumatic events
- Allows data to describe trauma within the EMS patient population
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure n/a

DURATION OF CHIEF COMPLAINT

E09_06

Data [number]

Definition

The time duration of the chief complaint

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *DurationOfChiefComplaint*
Multiple Entry Configuration No **Accepts Null Values** No
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 360
XSD Structure: E09_06 and E09_07 are members of E09_06_0 Duration of Chief Complaint Structure

Field Values

Uses

- Important for an EMS Medical Record
- Important to evaluate clinical conditions which are time dependant such as MI or Stroke to determine appropriate EMS Care
- Important for EMS system utilization review

Data Collector

- EMS personnel

Other Associated Elements

E09_07 Time Units of Duration of Chief Complaint

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

TIME UNITS OF DURATION OF CHIEF COMPLAINT

E09_07

Data [combo] single-choice

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TimeUnitsOfChiefComplaint*
Multiple Entry Configuration No **Accepts Null Values** No

Required in VA-XSD Yes

XSD Structure: E09_06 and E09_07 are members of E09_06_0 Duration of Chief Complaint Structure

Field Values

1235 Seconds	1240 Minutes
1245 Hours	1250 Days
1255 Weeks	1260 Months
1265 Years	

Uses

- Important for an EMS Medical Record
- Important to evaluate clinical conditions which are time dependant such as MI or Stroke to determine appropriate EMS care

Data Collector

- EMS personnel

Other Associated Elements

E09_06 Duration of Chief Complaint

Validation Rules When E90_6 is not null

Quality Measure 95%

CHIEF COMPLAINT ANATOMIC LOCATION

E09_11

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ComplaintAnatomicLocation*

Multiple Entry Configuration No **Accepts Null Values** Yes

Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1305 Abdomen
1310 Back	1315 Chest
1320 Extremity-Lower	1325 Extremity-Upper
1330 General/Global	1335 Genitalia
1340 Head	1345 Neck

Additional Information

- Possible Injury (E09_04), Chief Complaint Anatomic Location (E09_11), Chief Complaint Organ System (E09_12), and Primary Symptom (E09_13) are required to calculate the Reason for Encounter

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the patient's complaint location
- Allows data to describe the patient's complaint location
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules When E90_6 is not null

Quality Measure 95%

CHIEF COMPLAINT ORGAN SYSTEM

E09_12

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ComplaintOrganSystem*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1350 Cardiovascular
1355 CNS/Neuro	1360 Endocrine/Metabolic
1365 GI	1370 Global
1375 Musculoskeletal	1380 OB/Gyn
1385 Psych	1390 Pulmonary
1395 Renal	1400 Skin

Additional Information

- Possible Injury (E09_04), Chief Complaint Anatomic Location (E09_11), Chief Complaint Organ System (E09_12), and Primary Symptom (E09_13) are required to calculate the Reason for Encounter
- This data element is to be completed by EMS personnel at the EMT-Paramedic level or higher

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules When E90_6 is not null

Quality Measure 95%

PRIMARY SYMPTOM

E09_13

Data [combo] single-choice

National Element

Definition

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

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>PrimarySymptom</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in VA-XSD Yes			

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1405	Bleeding
1410	Breathing Problem	1415	Change in responsiveness
1420	Choking	1425	Death
1430	Device/Equipment Problem	1435	Diarrhea
1440	Drainage/Discharge	1445	Fever/Hyperthermia
1450	Malaise	1455	Mass/Lesion
1460	Mental/Psych	1465	Nausea/Vomiting
1470	None	1475	Pain
1480	Palpitations	1485	Rash/Itching
1490	Swelling	1495	Transport Only
1500	Weakness	1505	Wound
567000	Abdominal Pain	567022	Anxiety
567021	Aphasia	567001	Back Pain
567002	Bright Red Blood In Stool	567003	Cardiorespiratory Arrest
567040	Change In Stool Color	567004	Chest Pain
567038	Constipation	567017	Cough
567014	Dark/Tarry Stool (Melena)	567005	Dizziness
567006	Ear Pain	567007	Eye Pain
567015	Headache	567019	Headache w/photophobia
567020	Hematemesis	567024	Hives
567025	Indigestion	567026	Lethargic
567039	Loss of Appetite	567037	Obstetrics-Constrictions
567018	Orthostatic Hypotension	567008	Other
567027	Pain – Extremity	567028	Pain – Flank
567029	Pain – Neck	567009	Paralysis
567010	Seizure/Convulsions	567011	Syncope
567012	Unconscious/Unresponsive	567013	Vaginal Hemorrhage
567016	Visual Impairment or Loss of Vision	567030	Wheezing

Additional Information

- Possible Injury (E09_04), Chief Complaint Anatomic Location (E09_11), Chief Complaint Organ System (E09_12), and Primary Symptom (E09_13) are required to calculate the Reason for Encounter

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the patient's primary symptom
- Allows data to describe the patient's primary symptom
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

OTHER ASSOCIATED SYMPTOMS

E09_14

Data [combo] multiple-choice

National Element

Definition

Other symptoms identified by the patient or observed by EMS personnel

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *OtherAssociatedSymptoms*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1510	Bleeding
1515	Breathing Problem	1520	Change in responsiveness
1525	Choking	1530	Death
1535	Device/Equipment Problem	1540	Diarrhea
1545	Drainage/Discharge	1550	Fever/Hyperthermia
1555	Malaise	1560	Mass/Lesion
1565	Mental/Psych	1570	Nausea/Vomiting
1575	None	1580	Pain
1585	Palpitations	1590	Rash/Itching
1595	Swelling	1600	Transport Only
1605	Weakness	1610	Wound
568000	Abdominal Pain	568001	Back Pain
568002	Bright Red Blood In Stool	568003	Cardiorespiratory Arrest
568004	Chest Pain	568017	Cough
568014	Dark/Tarry Stool (Melena)	568005	Dizziness
568006	Ear Pain	568007	Eye Pain
568015	Headache	568019	Headache w/photophobia
568018	Orthostatic Hypotension	568008	Other
568009	Paralysis	568010	Seizure/Convulsions
568011	Syncope	568013	Vaginal Hemorrhage

Additional Information

- This data element is used for Bioterrorism Syndromic Surveillance

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the patient's primary symptom
- Allows data to describe the patient's associated symptoms
- Allows for potential bio-terrorism surveillance based on the symptomatic presentation of the EMS Patient combined with other data points

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

PROVIDERS PRIMARY IMPRESSION

E09_15

Data [combo] single-choice

National Element

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).

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ProvidersPrimaryImpression*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1615	789.00- Abdominal pain / problems
1620	519.80- Airway obstruction	1625	995.30- Allergic reaction
1630	780.09- Altered level of consciousness	1635	312.90- Behavioral / psychiatric disorder
1640	427.50- Cardiac arrest	1645	427.90- Cardiac rhythm disturbance
1650	786.50- Chest pain / discomfort	1655	250.90- Diabetic symptoms (hypoglycemia)
1660	994.80- Electrocutation	1665	780.60- Fever/Hyperthermia
1670	780.90- Hypothermia	1675	785.59- Hypovolemia / shock
1680	987.90- Inhalation injury (toxic gas)	1685	798.99- Obvious death
1690	977.90- Poisoning / drug ingestion	1695	659.90- Pregnancy / OB delivery
1700	786.09- Respiratory distress	1705	799.10- Respiratory arrest
1710	780.30- Seizure	1715	959.90- Sexual assault / rape
1720	987.90- Smoke inhalation	1725	989.50- Stings / venomous bites
1730	436.00- Stroke / CVA	1735	780.20- Syncope / fainting
1740	959.90- Traumatic injury	1745	623.80- Vaginal hemorrhage
569000	Abdominal Aortic Aneurysm	569001	Asthma
569037	Back Pain (non-traumatic)	569002	Bowel Obstruction
569030	COPD (Emphysema/Chronic Bronchitis)	569004	CHF (Congestive Heart Failure)
569006	Dehydration	569007	Diabetic - Hyperglycemia
569008	ETOH Abuse	569038	Diarrhea
569009	G.I. Bleed	569040	Epistaxis (non-traumatic)
569031	General Malaise	569010	Headache
569011	Heat Exhaustion/Stroke	569012	Hypertension
569013	Hypotension	569035	Nausea/Vomiting (unk etiology)
569033	No apparent illness of injury	569014	OB/Delivery
569039	Migraine	569015	Other
569016	Other Abdominal/GI Problem	569017	Other Cardiovascular Problem
569018	Other CNS Problem	569019	Other Endocrine/Metabolic Problem
569021	Other GU Problem	569022	Other Illness/Injury
569023	Other OB/Gyn	569024	Pain
569036	Patient Assist Only	569029	Sepsis
569025	Substance/Drug Abuse	569026	Toxic Exposure
569005	TIA (Transient Ischemic Attack)	569027	Unconscious
569028	Unknown Problem	569032	Weakness

Additional Information

- ICD-9 Codes were retained over ICD-10 due to CMS's continued use of ICD-9 in the EMS Condition Codes

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the EMS personnel's clinical impression
- Allows data to describe the EMS patient population based on EMS personnel impression of the EMS patient's problem

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Provider Impression/Assessment; The emergency providers single most important impression/assessment which drove the choice of treatment; [combo] Abdominal Pain = 10, Airway Obstruction = 11, Allergic Reaction, excludes stings & venomous bites = 12, Altered Level of Consciousness = 13, Behavioral-Mental Status, Psychiatric Disorder = 14, Burns = 15, Cardiac Arrest = 16, Cardiac Dysrhythmia = 17, Chest Pain = 18, Diabetic Symptom = 19, Do Not Resuscitate = 20, Electrocution = 21, General Illness = 2, Hemorrhaging/Bleeding = 23, Hyperthermia = 24, Hypothermia = 25, Hypovolemia = 26, Inhalation Injury, Toxic Gases = 27, Obvious Death = 28, Overdose/Poisoning = 29, Pregnancy/OB = 30, Respiratory Arrest = 31, Respiratory Distress = 32, Seizure = 33, Sexual Assault = 34, Sting/Bite = 35, Stroke/CVA = 36, Syncope, Fainting = 37, Trauma = 38, Other Impression/Assessment = 00, None/No patient or refused Treatment = NN

PROVIDER'S SECONDARY IMPRESSION

E09_16

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ProvidersSecondaryImpression*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1750	789.00- Abdominal pain / problems
1755	519.80- Airway obstruction	1760	995.30- Allergic reaction
1765	780.09- Altered level of consciousness	1770	312.90- Behavioral / psychiatric disorder
1775	427.50- Cardiac arrest	1780	427.90- Cardiac rhythm disturbance
1785	786.50- Chest pain / discomfort	1790	250.90- Diabetic symptoms (hypoglycemia)
1795	994.80- Electrocutation	1800	780.60- Fever/Hyperthermia
1805	780.90- Hypothermia	1810	785.59- Hypovolemia / shock
1815	987.90- Inhalation injury (toxic gas)	1820	798.99- Obvious death
1825	977.90- Poisoning / drug ingestion	1830	659.90- Pregnancy / OB delivery
1835	786.09- Respiratory distress	1840	799.10- Respiratory arrest
1845	780.30- Seizure	1850	959.90- Sexual assault / rape
1855	987.90- Smoke inhalation	1860	989.50- Stings / venomous bites
1865	436.00- Stroke / CVA	1870	780.20- Syncope / fainting
1875	959.90- Traumatic injury	1880	623.80- Vaginal hemorrhage
570000	Abdominal Aortic Aneurysm	570001	Asthma
570037	Back Pain (non-traumatic)	570002	Bowel Obstruction
570003	Cancer	570030	COPD (Emphysema/Chronic Bronchitis)
570004	CHF (Congestive Heart Failure)	570006	Dehydration
570007	Diabetic - Hyperglycemia	570038	Diarrhea
570040	Epistaxis (non-traumatic)	570008	ETOH Abuse
570009	G.I. Bleed	570031	General Malaise
570010	Headache	570011	Heat Exhaustion/Stroke
570012	Hypertension	570013	Hypotension
570035	Nausea/Vomiting (unk etiology)	570033	No apparent illness of injury
570014	OB/Delivery	570039	Migraine
570015	Other	570016	Other Abdominal/GI Problem
570017	Other Cardiovascular Problem	570018	Other CNS Problem
570019	Other Endocrine/Metabolic Problem	570021	Other GU Problem
569022	Other Illness/Injury	570023	Other OB/Gyn
570024	Pain	570036	Patient Assist Only
570029	Sepsis	570025	Substance/Drug Abuse
570026	Toxic Exposure	570005	TIA (Transient Ischemic Attack)
570027	Unconscious	570028	Unknown Problem
570032	Weakness		

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the EMS personnel's clinical impression
- Allows data to describe the EMS patient population based on EMS personnel impression of the EMS patient's problem

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

CAUSE OF INJURY

E10_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CauseOfInjury*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1885	Bites (E906.0)
9500	Aircraft related accident (E84X.0)	9505	Bicycle Accident (E826.0)
9515	Chemical poisoning (E86X.0)	9520	Child battering (E967.0)
9525	Drowning (E910.0)	9530	Drug poisoning (E85X.0)
9535	Electrocution (non-lightning) (E925.0)	9540	Excessive Cold (E901.0)
9545	Excessive Heat (E900.0)	9550	Falls (E88X.0)
9555	Fire and Flames (E89X.0)	9560	Firearm assault (E965.0)
9565	Firearm injury (accidental) (E985.0)	9570	Firearm self inflicted (E955.0)
9575	Lightning (E907.0)	9580	Machinery accidents (E919.0)
9585	Mechanical Suffocation (E913.0)	9590	Motor Vehicle non-traffic accident (E82X.0)
9595	Motor Vehicle traffic accident (E81X.0)	9600	Motorcycle Accident (E81X.1)
9605	Non-Motorized Vehicle Accident (E848.0)	9610	Pedestrian traffic accident (E814.0)
9615	Radiation exposure (E926.0)	9620	Rape (E960.1)
9625	Smoke Inhalation (E89X.2)	9630	Stabbing/Cutting Accidental (E986.0)
9635	Stabbing/Cutting Assault (E966.0)	9640	Struck by Blunt/Thrown Object (E968.2)
9645	Venomous stings (plants, animals) (E905.0)	9650	Water Transport accident (E83X.0)
580000	Assault	580006	Burn - Hot Substance
580026	Burns-Chemical	580028	Burns - Thermal
580019	Elder Abuse/Neglect	580002	Entrapped (Non-MVC)
580004	Explosion	580005	Foreign Body Entering Eye/Orifice
580001	MVC - ATV	580017	MVC vs. Large Animal
580010	Overexertion	580009	Other Injury

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"
- ICD-9 Codes were retained over ICD-10 due to CMS's continued use of ICD-9 in the EMS Condition Codes

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the traumatic cause of injury
- Allows data to describe the cause of a traumatic event

Data Collector

- EMS personnel if Possible Injury (E09_04) is answered Yes

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-

Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle AND E09_15 is 1660-Electrocution, 1680-Inhalation Injury, 1690-Poisoning/drug ingestion, 1715-Sexual Assault, 1725-Stings/Venomous Bites, 1740-Traumatic Injury, 569026-Toxic Exposure (other provider impression codes may be applicable.)

Quality Measure 95%

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Cause of Illness/Injury; The immediate cause or condition responsible for the injury or illness; Pick-List: Chemical Exposure = 10, Drug Poisoning = 11, Fall = 12, Aircraft Related = 13, Bite, Includes Animal Bites = 14, Bicycle Accident = 15, Building Collapse/Construction Accident = 16, Downing = 17, Electrical Shock = 18, Cold = 19, Heat = 20, E explosives - 21, Fire and Flames - 22, Firearm = 23, Fireworks = 25, Lightning = 26, Machinery = 27, Mechanical Suffocation = 28, Motor Vehicle Accident = 29, Motor Vehicle Accident, Pedestrian = 30, Non-Traffic Vehicle (off road) Accident = 31, Physical Assault/Abuse = 32, Scalds/Other Thermal = 33, Smoke Inhalation = 34, Stabbing

INTENT OF THE INJURY

E10_02

Data [combo] single-choice

Definition

The intent of the individual inflicting the injury

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *IntentOfInjury*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2020 Intentional, Other (Assaulted)
2025 Intentional, Self	2030 Unintentional
581004 Legal Intervention (injured during law enforcement)	

Additional Information

- Complete only if Possible Injury

Uses

- Important component of an EMS Medical Record: documentation of Intentional, Self
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury (E09_04) is answered Yes

Other Associated Elements

E00 Common Null Values

Validation Rules

Quality Measure

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Other Factors; Describes the other factors that contributed to the patient's injury. Not to be completed with an illness.; Pick-List: Accidental = 1, Self-Inflicted = 2, Inflicted, Not Self. Included are attacks by animals and persons = 3, None or No Other Factors = N

VEHICULAR INJURY INDICATORS

E10_04

Data [combo] multiple-choice

Definition

The kind of risk factor predictors associated with the vehicle involved in the incident

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *VehicleInjuryIndicators*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2055 Dash Deformity
2060 DOA Same Vehicle	2065 Ejection
2070 Fire	2075 Rollover/Roof Deformity
2080 Side Post Deformity	2085 Space Intrusion >1 foot
2090 Steering Wheel Deformity	2095 Windshield Spider/Star

Additional Information

- Complete only if Possible Injury (E09_04) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury (E09_04) is answered Yes and there is a vehicle involved

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle AND E10_01-Cause of Injury is 9590-MVC non-traffic or 9595-MVC.

Quality Measure 95%

References to Other Databases

- TREDIS – DMV crash data

AREA OF THE VEHICLE IMPACTED BY THE COLLISION

E10_05

Data [combo] multiple-choice

Definition

The area or location of impact on the vehicle

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *AreaOfVehicleImpact*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2100 Center Front
2105 Center Rear	2110 Left Front
2115 Left Rear	2120 Left Side
2125 Right Front	2130 Right Rear
2135 Right Side	2140 Roll Over

Additional Information

- Complete only if Possible Injury (E09_04) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury (E09_04) is answered Yes and there is a vehicle involved

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle AND E10_01-Cause of Injury is 9590-MVC non-traffic or 9595-MVC.

Quality Measure 95%

References to Other Databases

- TREDIS – DMV crash data

USE OF SAFETY EQUIPMENT

E10_08

Data [combo] multiple-choice

Definition

Safety equipment in use by the patient at the time of the injury was sustained

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *UseOfOccupantSafetyEquipment*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2170 Child Restraint
2175 Eye Protection	2180 Helmet Worn
2185 Lap Belt	2187 No Safety Equipment/Devices Used
2190 Other	2195 Personal Floatation Device
2200 Protective Clothing Gear	2205 Protective Non-Clothing Gear
2210 Shoulder Belt	587005 Protective Safety Belt (Non-MVC)

Additional Information

- Complete only if Possible Injury (E09_04) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury (E09_04) is answered Yes and there is a vehicle involved

Other Associated Elements

E00 Common Null Values

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Safety Equipment; Multiple Select Pick-List: Safety, Seat Belts =1, Child Safety Seat = 2, Airbag = 3, Helmet = 4, Protective Clothing = 5, Flotation Device = 6, None or No Safety Equipment = N, Other Safety Equipment Used = O, Undetermined Safety Equipment = U

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E10_01-Cause of Injury is 9590-MVC non-traffic or 9595-MVC; may also be used with E10_01 9500-Aircraft Related Accident, 9505-Bicycle Accident, 9525-Drowning, 9535-Electrocution (non-lightning), 9600-Motorcycle Accident, 9610-Pedestrian Traffic Accident, 9615-Radiation Exposure, 9630-Stabbing/Cutting Accidental, 9640-Struck by Blunt/Thrown Object, 9650-Watercraft Accident, 580006-Burn – Hot Substance, 580026, Burns – Chemical, 580028 Burns – Thermal, 580002-Entrapped (non-MVC), 580005-Foreign Body Eye/Orifice, 580001-MVC – ATV, or MVC – Large Animal.

Quality Measure 95%

References to Other Databases

- TREDs – DMV crash data

AIRBAG DEPLOYMENT

E10_09

Data [combo] multiple-choice

Definition

Indication of Airbag deployment during the motor vehicle crash.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *AirbagDeployment*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2215 No Airbag Present
2220 No Airbag Deployed	2225 Airbag Deployed Front
2230 Airbag Deployed Side	2235 Airbag Deployed Other (knee, airbelt, etc.)

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes" **Validation Rules** When E90_6 is not null

Quality Measure 95%

Validation Rules When E90_6 is not null

Quality Measure 95%

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury (E09_04) is answered Yes and there is a vehicle involved

Other Associated Elements

E00 Common Null Values	E10_04 Vehicular Injury Indicators
E10_05 Area of the Vehicle Impacted by the Collision	E10_08 Use of Occupant Safety Equipment
IT8_19 Exterior Damage	IT5_06 Motor Vehicle Type

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle AND E10_01-Cause of Injury is 9590-MVC non-traffic or 9595-MVC.

Quality Measure 95%

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Safety Equipment; Multiple Select Pick-List: Safety, Seat Belts = 1, Child Safety Seat = 2, Airbag = 3, Helmet = 4, Protective Clothing = 5, Flotation Device = 6, None or No Safety Equipment = N, Other Safety Equipment Used = O, Undetermined Safety Equipment = U
- **TREDS** DMV crash data

HEIGHT OF FALL

E10_10

Data [number]

Definition

The distance in feet the patient fell, measured from the lowest point of the patient to the ground. Ground level falls are noted as -0- feet.

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>HeightOfFall</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD	Yes	Minimum Constraint	1
		Maximum Constraint	50,000

Field Values

Additional Information

- Complete only if Possible Injury (E09_04) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury is answered Yes

Other Associated Elements

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E10_01-Cause of Injury is 9550-Falls.

Quality Measure 95%

CARDIAC ARREST

E11_01

Data [combo] single-choice

National Element

Definition

Indication of the presence of a cardiac arrest at any time associated with the EMS event.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CardiacArrest*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	0 No
2240 Yes, Prior to EMS Arrival	2245 Yes, After EMS Arrival

Additional Information

- If answered YES, all other data points in the Situation/CPR should be addressed

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the occurrence of a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Cardiac Arrest; Pick-List: Pre-Arrival Arrest = 1, Post-Arrival Arrest = 2
- **UTSTEIN** Title: Confirmed Cardiac Arrests Considered for Resuscitation

CARDIAC ARREST ETIOLOGY

E11_02

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CardiacArrestEtiology*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2250 Presumed Cardiac
2255 Trauma	2260 Drowning
2265 Respiratory	2270 Electrocutation
2275 Other	601000 SIDS (Suspected)

Additional Information

- Complete only if Cardiac Arrest (E11_01) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the occurrence of a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population

Data Collector

- EMS personnel if Cardiac Arrest

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E09_15 Providers Primary Impression is 1640-Cardiac Arrest **OR** E09_16 Providers Secondary Impression is 1775-Cardiac Arrest **OR** E09_13 Primary Symptom is 567003 Cardiorespiratory Arrest **OR** E09_14 Other Associated Symptoms is 568003 Cardiorespiratory Arrest.

Quality Measure 95%

References to Other Databases

- **UTSTEIN** Title: Cardiac Etiology; Presumed Cardiac = C, Trauma = T, Drowning = D, Respiratory = R, Other = O, Unknown = U

RESUSCITATION ATTEMPTED

E11_03

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ResuscitationAttempted*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2280 Attempted Defibrillation
2285 Attempted Ventilation	2290 Initiated Chest Compressions
2295 Not Attempted-Considered Futile	2300 Not Attempted-DNR Orders
2305 Not Attempted-Signs of Circulation	

Additional Information

- Complete only if Cardiac Arrest (E11_01) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the type of resuscitation initiated during a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population which resulted in resuscitative efforts

Data Collector

- EMS personnel if Cardiac Arrest

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E09_15 Providers Primary Impression is 1640-Cardiac Arrest **OR** E09_16 Providers Secondary Impression is 1775-Cardiac Arrest **OR** E09_13 Primary Symptom is 567003 Cardiorespiratory Arrest **OR** E09_14 Other Associated Symptoms is 568003 Cardiorespiratory Arrest.

Quality Measure 95%

References to Other Databases

- **UTSTEIN** Title: Resuscitations Attempted; Attempted Defibrillation = D, Attempted Chest Compressions = C, Attempted Ventilation = V, Not Attempted-DNR Orders = R, Not Attempted-Considered Futile = F, Not Attempted-Signs of Circulation = A, Unknown = U, Not Record

FIRST MONITORED RHYTHM OF THE PATIENT

E11_05

Data [combo] single-choice

Definition

Documentation of what the first monitored rhythm which was noted

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *FirstMonitoredRhythm*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2325 Asystole
2330 Bradycardia	2335 Normal Sinus Rhythm
2340 Other	2345 PEA
2350 Unknown AED Non-Shockable Rhythm	2355 Unknown AED Shockable Rhythm
2360 Ventricular Fibrillation	2365 Ventricular Tachycardia
604000 Paced Rhythm	

Additional Information

- Complete only if Cardiac Arrest

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the First Monitored Rhythm of a cardiac arrest
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Data Collector

- EMS personnel if Cardiac Arrest

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E09_15 Providers Primary Impression is 1640-Cardiac Arrest **OR** E09_16 Providers Secondary Impression is 1775-Cardiac Arrest **OR** E09_13 Primary Symptom is 567003 Cardiorespiratory Arrest **OR** E09_14 Other Associated Symptoms is 568003 Cardiorespiratory Arrest.

Quality Measure 95%

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Initial Arrest Rhythm; Pick-List: V-Fib//V-Tach = 1, Other = O, Undetermined = U
- **UTSTEIN** Title: First Monitored Rhythm Shockable (in Cardiac Arrest) and First Monitored Rhythm Non-Shockable; [combo] Ventricular Fibrillation, Ventricular Tachycardia, Unknown AED Shockable Rhythm, Asystole, PEA, Bradycardia, Other, Unknown AED Non-Shockable Rh

ANY RETURN OF SPONTANEOUS CIRCULATION

E11_06

Data [combo] single-choice

Definition

Indication whether or not there was any return of spontaneous circulation at any time during the EMS event.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ReturnOfSpontaneousCirculation*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2380 No
2370 Yes, Prior to ED Arrival Only	2375 Yes, Prior to ED Arrival and at the ED

Additional Information

- Complete only if Cardiac Arrest

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the Return of Spontaneous Circulation associated with a cardiac arrest
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Data Collector

- EMS personnel if Cardiac Arrest

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E09_15 Providers Primary Impression is 1640-Cardiac Arrest **OR** E09_16 Providers Secondary Impression is 1775-Cardiac Arrest **OR** E09_13 Primary Symptom is 567003 Cardiorespiratory Arrest **OR** E09_14 Other Associated Symptoms is 568003 Cardiorespiratory Arrest.

Quality Measure 95%

References to Other Databases

- **UTSTEIN** Title: Any Return of Spontaneous Circulation (ROSC); [combo] Yes = Y, No = No, U = Unknown

DATE/TIME RESUSCITATION DISCONTINUED

E11_09

Data [date/time]

Definition

The date/time the CPR was discontinued (or could be time of death)

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

Additional Information

- Complete only if Cardiac Arrest
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Data Collector

- EMS personnel if Cardiac Arrest

Other Associated Elements

E01_01 Patient Care Report Number

Validation Rules Included in all records where E11_03 Resuscitation Attempted is 2280-Attempted Defibrillation, 2285 Attempted Defibrillation, or 2290-Initiated Chest Compressions.

Quality Measure 95%

REASON CPR DISCONTINUED

E11_10

Data [combo] single-choice

Definition

The reason that CPR or the resuscitation efforts were discontinued.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ReasonCPRDiscontinued*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2430 DDNR/DNR
2435 Medical Control Order	2440 Obvious Signs of Death
2445 Protocol/Policy Requirements Completed	2450 Return of Spontaneous Circulation (pulse or BP noted)

Additional Information

- Complete only if Cardiac Arrest

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Data Collector

- EMS personnel if Cardiac Arrest

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E09_15 Providers Primary Impression is 1640-Cardiac Arrest **OR** E09_16 Providers Secondary Impression is 1775-Cardiac Arrest **OR** E09_13 Primary Symptom is 567003 Cardiorespiratory Arrest **OR** E09_14 Other Associated Symptoms is 568003 Cardiorespiratory Arrest.

Quality Measure 95%

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all records were 11_09 is not null

Quality Measure 95%

CARDIAC RHYTHM ON ARRIVAL AT DESTINATION

E11_11

Data [combo] multiple-choice

Definition

The patient's cardiac rhythm upon delivery to the hospital or transfer of care to another

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CardiacRythmAtDestination*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2455	12 Lead ECG-Anterior Ischemia
2460	12 Lead ECG-Inferior Ischemia	2465	12 Lead ECG-Lateral Ischemia
2470	Agonal/Idioventricular	2475	Artifact
2480	Asystole	2485	Atrial Fibrillation/Flutter
2490	AV Block-1st Degree	2495	AV Block-2nd Degree-Type 1
2500	AV Block-2nd Degree-Type 2	2505	AV Block-3rd Degree
2510	Junctional	2515	Left Bundle Branch Block
2520	Normal Sinus Rhythm	2525	Other
2530	Paced Rhythm	2535	PEA
2540	Premature Atrial Contractions	2545	Premature Ventricular Contractions
2550	Right Bundle Branch Block	2555	Sinus Arrhythmia
2560	Sinus Bradycardia	2565	Sinus Tachycardia
2570	Supraventricular Tachycardia	2575	Torsades De Points
2580	Unknown AED Non-Shockable Rhythm	2585	Unknown AED Shockable Rhythm
2590	Ventricular Fibrillation	2595	Ventricular Tachycardia
610000	12 Lead EKG-Septal Ischemia	610001	S-T Segment Depression
610002	S-T Segment Elevation		

Additional Information

- Complete only if Cardiac Arrest
- This data point could be completed by documentation of the final rhythm in the Vital Signs Section (E14) with the appropriate time

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Data Collector

- EMS personnel if Cardiac Arrest (E11_01) is answered Yes

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, **AND** E09_15 Providers Primary Impression is 1640-Cardiac Arrest **OR** E09_16 Providers Secondary Impression is 1775-Cardiac Arrest **OR** E09_13 Primary Symptom is 567003 Cardiorespiratory Arrest **OR** E09_14 Other Associated Symptoms is 568003 Cardiorespiratory Arrest.

Quality Measure 95%

BARRIERS TO PATIENT CARE

E12_01

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *BarriersToPatientCare*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2600 Developmentally Impaired
2605 Hearing Impaired	2610 Language
2615 None	2620 Physically Impaired
2625 Physically Restrained	2630 Speech Impaired
2635 Unattended or Unsupervised (including minors)	2640 Unconscious
620000 Combative Patient	620002 Weather

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on any barriers to patient care
- Allows data to describe any barriers to care within the EMS agency which is important to many federal initiatives

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Human Factors; Describes the human factors that contributed to the patient's injury; Pick-List: Asleep = 1, Unconscious = 2, Possibly Impaired by Alcohol = 3, Possibly Impaired by Other Drug or Chemical = 4, Possibly Mentally Disabled = 5, Physically Disabled = 6, Physically Restrained = 7, Unattended or Unsupervised Person, Included are too young to act = 8, None or No Human Factors = N

Validation Rules n/a

Quality Measure n/a

MEDICAL/SURGICAL HISTORY

E12_10

Data [combo or text] multiple-choice

Definition

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

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>MedicalSurgicalHistory</i>
Multiple Entry Configuration Yes	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 30

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	23070	Patient Denies PMH
23065	Parent/Guardian Denies PMH	23095	Unable to Obtain PMH
629061	Allergic Reaction	23000	Amputee
629091	Anemia	629062	Aneurysm
629063	Arthritis	629064	Back pain
629024	Cancer - Bone	629060	Cancer - Brain
629023	Cancer - Breast	629025	Cancer - Colon
629065	Cancer - Hodgkin's Disease	629026	Cancer - Kidney
629066	Cancer - Leukemia	629027	Cancer - Liver
629028	Cancer - Lung	629029	Cancer - Ovarian/Uterine
629085	Cancer - Prostate	23990	Cancer - Unspecified/Other
629053	Cardiac - Angioplasty	629047	Cardiac - Angina
629067	Cardiac - Arrest S/P	629069	Cardiac - Congenital Heart Disease
41210	Cardiac - Congestive Heart Failure	41215	Cardiac - Coronary Artery Disease
629048	Cardiac - CABG	629001	Cardiac - Dysrhythmia/Arrythmia
629052	Cardiac - Heart Transplant	41220	Cardiac - Myocardial Infarction
629002	Cardiac - Pacemaker/Internal Defib	41225	Cardiac - Stent
41200	Cardiac - Unspecified/Other	629068	Chronic Pain
58500	Chronic Renal Failure/Dialysis	629045	Developmentally Delayed/Mental Retardation
25000	Diabetes	629005	Endocrine - Hyperthyroidism
629006	Endocrine - Hypothyroidism	629007	Endocrine - Unspecified/Other
629018	GI/GU - Diverticulitis	629017	GI/GU - Irritable Bowel Syndrome
629071	GI/GU - Kidney/Renal Stones	629086	GI/GI - Gallstones
629015	GI/GU - Gastric Reflux	629019	GI/GU - Ostomy
629020	GI/GU - Pancreatitis	629016	GI/GU - Ulcers
629021	GI/GU - Urinary Tract Infection (UTI)	629022	GI/GU - Unspecified
23045	HIV/AIDS	629013	Hepatic - Cirrhosis
629009	Hepatic - Hepatitis A	629010	Hepatic - Hepatitis B
629011	Hepatic - Hepatitis C	629012	Hepatic - Hepatitis Other
629008	Hepatic - Liver Failure	629014	Hepatic - Unspecified/Other
629056	Hypercholesterolemia	40190	Hypertension
629003	Hypotension	629072	Malnutrition
629057	Neuro - Alzheimer's	629033	Neuro - Cerebral Palsy
629058	Neuro - Dementia	629073	Neuro - Down's Syndrome
629034	Neuro - Fibromyalgia	629051	Neuro - Migraine Headaches
629074	Neuro - Lupus	629032	Neuro - Multiple Sclerosis
629075	Neuro - Multiple Dystrophy	629076	Neuro - Myasthenia Gravis
629059	Neuro - Parkinson's	629035	Neuro - Paraplegia
629036	Neuro - Quadriplegia	629082	Neuro - Spinal Cord Injury
23075	Neuro -Stroke/CVA	23085	Neuro - Stroke/TIA (Transient Ischemic Attack)

629031	Neuro - Traumatic Brain Injury	629037	Neuro - Unspecified/Other
629092	Obesity	629077	OB/Gyn - Ectopic Pregnancy
629079	OB/Gyn - Miscarriage	629084	OB/Gyn - Pregnant
629046	OB/Gyn - Premature Birth	629078	OB/Gyn - Other Gyn Problem
629087	Ortho - Back Surgery	629088	Ortho - Degenerative Disc Disease
629089	Ortho - Hip Fracture	629090	Ortho - Hip Replacement
23055	Osteoporosis	79990	Other - PMH
629043	Psych/Behavioral - Anxiety Disorder	629042	Psych/Behavioral - Attention Deficit Disorder
629038	Psych/Behavioral - Depression	629040	Psych/Behavioral - Manic/Depressive (Bi-Polar)
629039	Psych/Behavioral - Obsessive Compulsive Disorder	629041	Psych/Behavioral - Schizophrenia
31290	Psych/Behavioral - Other Problems	49390	Respiratory - Asthma
23035	Respiratory - Chronic Bronchitis	23040	Respiratory - Chronic Emphysema
51881	Respiratory - COPD	629081	Respiratory - Pulmonary Edema
4400	Respiratory - Tracheostomy	1190	Respiratory - Tuberculosis
78030	Seizure Disorder	629055	Sickle Cell Anemia
629093	Smoking	23080	Substance Abuse - ETOH/Other
629054	Substance Abuse - Inhalant Abuse	23050	Substance Abuse - IV Drug Use
629083	Traumatic Injury	629070	Vascular - Embolus/Thrombus
629080	Vascular - Peripheral Vascular Disease		

Additional Information

- A Medical/Surgical History list should be created to serve as a listbox which can contain any ICD-9 coded diagnosis or procedure.
- The field should store the values of the ICD-9 codes since CMS has not adopted ICD-10 level codes at the time of this document

Uses

- Part of an EMS Medical Record
- Analysis of co-morbidity

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E06_01 Last Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated.

Quality Measure 95%

IMMUNIZATION HISTORY

E12_12

Data [combo] multiple-choice

Definition

The type of immunization the patient has received.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ImmunizationType*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No

Required in VA-XSD Yes

XSD Structure: E12_12 is a member of E12_12_0 Immunization History Structure

Field Values

2730 Anthrax	2735 DPT (Diphtheria, Tetanus, Pertussis)
2740 Hemophilus Influenza B	2745 Hepatitis A
2750 Hepatitis B	2755 Influenza (Flu)
2760 MMR (Measles, Mumps, Rubella)	2765 Polio = 8, Pneumococcal (pneumonia)
2770 Small Pox	2775 Tetanus
2780 Varicella	

Uses

- Part of the past medical history for the patient
- Can be used or quickly updated for a bioterrorism or pandemic event
- History of Tetanus immunization important in trauma

Data Collector

- EMS personnel

Other Associated Elements

E06_01 Last Name **E12_13** Immunization Date

Validation Rules n/a

Quality Measure n/a

ALCOHOL/DRUG USE INDICATORS

E12_19

Data [combo] multiple-choice

National Element

Definition

Indicators for the potential use of Alcohol or Drugs by the patient.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *AlcoholDrugUseIndicators*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2985 Smell of Alcohol on Breath or About Person
2990 Patient Admits to Alcohol Use	2995 Patient Admits to Drug Use
3000 Alcohol and/or Drug Paraphernalia at Scene	3001 No Apparent Alcohol/Drug Use
638000 Patient Denies Alcohol/Drug Use	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on alcohol/drug use indicators
- Allows data to describe Alcohol and Drug use within the EMS patient population

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Human Factors; Describes the human factors that contributed to the patient's injury; Pick-List: Asleep = 1, Unconscious = 2, Possibly Impaired by Alcohol = 3, Possibly Impaired by Other Drug or Chemical = 4, Possibly Mentally Disabled = 5, Physically Disabled = 6, Physically Restrained = 7, Unattended or Unsupervised Person, Included are too young to act = 8, None or No Human Factors = N

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure 95%

PREGNANCY

E12_20

Data [combo] single-choice

Definition

Indication of the possibility by the patient's history of current pregnancy

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *YesNoValues*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	0 No
1 Yes	

Uses

- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated **AND** E06_11 Gender is 655-Female **AND** E06_14 Age is >12 and <50 **AND** E06_15 Age Units is 715-Years.

Quality Measure n/a

CARDIAC RHYTHM

E14_03

Data [combo] multiple-choice

Definition

The initial cardiac rhythm of the patient as interpreted by EMS personnel

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CardiacRhythm*
Multiple Entry Configuration (1) Yes, via structure. (2) Yes for each E14_01 Date/Time
Accepts Null Values Yes

Required in VA-XSD Yes

XSD Structure: Each element in section E14 is associated with E14_01 Date/Time

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3005	12 Lead ECG-Anterior Ischemia
3010	12 Lead ECG-Inferior Ischemia	3015	12 Lead ECG-Lateral Ischemia
3020	Agonal/Idioventricular	3025	Artifact
3030	Asystole	3035	Atrial Fibrillation/Flutter
3040	AV Block-1st Degree	3045	AV Block-2nd Degree-Type 1
3050	AV Block-2nd Degree-Type 2	3055	AV Block-3rd Degree
3060	Junctional	3065	Left Bundle Branch Block
3070	Normal Sinus Rhythm	3075	Other
3080	Paced Rhythm	3085	PEA
3090	Premature Atrial Contractions	3095	Premature Ventricular Contractions
3100	Right Bundle Branch Block	3105	Sinus Arrhythmia
3110	Sinus Bradycardia	3115	Sinus Tachycardia
3120	Supraventricular Tachycardia	3125	Torsades De Points
3130	Unknown AED Non-Shockable Rhythm	3135	Unknown AED Shockable Rhythm
3140	Ventricular Fibrillation	3145	Ventricular Tachycardia
653004	12 Lead ECG - Septal Ischemia	653005	Paroxysmal Supraventricular Tachycardia
653003	PJC – Premature Junctional Tachycardia	653001	S-T Segment Depression
653002	S-T Segment Elevation		

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Validation Rules n/a

SBP (SYSTOLIC BLOOD PRESSURE)

E14_04

Data [number]

Definition

The patient's systolic blood pressure

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *SBP*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes, but null value is blank or empty

Required in VA-XSD Yes

Minimum Constraint 0

Maximum Constraint 400

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_04, E14_05, and E14_06 are all members of E14_04_0 Blood Pressure Structure

Field Values

Additional Information

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

E14_01 Date/Time Vital Signs Taken

E14_05 DBP (Diastolic Blood Pressure)

E14_06 Method of Blood Pressure Measurement

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

DBP (DIASTOLIC BLOOD PRESSURE)

E14_05

Data [number]

Definition

The patient's diastolic blood pressure

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *DBP*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes, but null value is blank or empty

Required in VA-XSD Yes

Minimum Constraint 0

Maximum Constraint 200

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_04, E14_05, and E14_06 are all members of E14_04_0 Blood Pressure Structure

Field Values

Additional Information

- Could be collected from Device Diastolic Blood Pressure (E21_15)

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

E14_01 Date/Time Vital Signs Taken

E14_04 SBP (Systolic Blood Pressure)

E14_06 Method of Blood Pressure Measurement

Validation Rules n/a

Quality Measure n/a

METHOD OF BLOOD PRESSURE MEASUREMENT

E14_06

Data [combo] single-choice

Definition

Indication of method of blood pressure procedure.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *MethodOfBloodPressure*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** No

Required in VA-XSD Yes

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_04, E14_05, and E14_06 are all members of E14_04_0 Blood Pressure Structure

Field Values

3150 Arterial Line

3155 Automated Cuff

3160 Manual Cuff

3165 Palpated Cuff

3170 Venous Line

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

E14_01 Date/Time Vital Signs Taken

E14_04 SBP (Systolic Blood Pressure)

E14_05 DBP (Diastolic Blood Pressure)

Validation Rules n/a

Quality Measure n/a

PULSE RATE

E14_07

Data [number]

Definition

The patient's pulse rate, palpated or auscultated, expressed as a number per minute

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PulseRate*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 500

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

Additional Information

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Pulse; Presence of a Pulse at the time of patient transfer to another service.; Pick-List: Pulse on Transfer = 1, No; Pulse of Transfer = 2

Validation Rule 1 Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

Validation Rule 2 Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure Should not be absent from records

PULSE OXIMETRY

E14_09

Data [number]

Definition

The patient's oxygen saturation

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PulseOximetry*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 100

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

Additional Information

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

PULSE RHYTHM

E14_10

Data [combo] single-choice

Definition

The clinical rhythm of the patients pulse (regular, irregular, etc.)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PulseRhythm*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: Each element in section E14 is associated with E14_01 Date/Time

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3175 Regular - Regular
3180 Irregular - Irregular	660000 Regularly Irregular

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules When E14_07 is not null should be included in the record

Quality Measure Should not be absent from records

RESPIRATORY RATE

E14_11

Data [number]

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *RespiratoryRate*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 100

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

Additional Information

- Could be collected from Device Respiratory Rate (E21_16)

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

Validation Rule 1 Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

Validation Rule 2 Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure Should not be absent from records

RESPIRATORY EFFORT

E14_12

Data [text]

Definition

The patient's respiratory effort

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *RespiratoryEffort*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3185 Normal
3190 Labored	3195 Fatigued
3200 Absent	3205 Not Assessed
662000 Agonal	662001 Assisted
662002 Shallow	

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules When E14_11 is not null should be included in the record

Quality Measure Should not be absent from records

CARBON DIOXIDE

E14_13

Data [number]

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** CO2

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 100

XSD Structure: Each element in section E14 is associated with E14_01 Date/Time

Field Values

Additional Information

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

Validation Rules n/a

Quality Measure n/a

BLOOD GLUCOSE LEVEL

E14_14

Data [number]

Definition

The patient's blood glucose level

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *BloodGlucoseLevel*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 2,000

XSD Structure: Each element in section E14 is associated with E14_01 Date/Time

Field Values

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel or may be provided electronically through a medical device

Other Associated Elements

Validation Rules Should be included in records when E09_15 Provider Primary Impression is 1630-Altered Level of Consciousness, 1655-Diabetic Symptoms (hypoglycemia), or 569007-Diabetic-Hypoglycemia **OR** E09_16 Provider's Secondary Impression is 1765-Altered Mental Status, 1790-Diabetic Symptoms (hypoglycemia), or 570007 Diabetic.

Quality Measure A high percentage should be present for agencies that allow providers to perform blood glucose checks when patient fall in this code range, especially when treated for hypoglycemia. Cannot expect data if an agency does not include this as an allowable skill for the agency or specific level of providers.

GLASGOW COMA SCORE-EYE

E14_15

Data [number]

Definition

The patient's Glasgow Coma Score Eye opening

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *GCSEye*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 4

XSD Structure: E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

For All Age Groups	
Spontaneous	4
To Verbal Stimulation	3
To Painful Stimulation	2
None	1

Additional Information

- Can be configured as a single choice list box

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E14_16 Glasgow Coma Score-Verbal

E14_17 Glasgow Coma Score-Motor

E14_18 Glasgow Coma Score-Qualifier

E14_19 Total Glasgow Coma Score

Validation Rule 1 Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

Validation Rule 2 Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure Should not be absent from records

GLASGOW COMA SCORE-VERBAL

E14_16

Data [number]

Definition

The patient's Glasgow Coma Score Verbal

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *GCSVerbal*

Multiple Entry Configuration Yes, via structure
or empty

Accepts Null Values Yes, but null value is blank

Required in VA-XSD Yes

Minimum Constraint 1

Maximum Constraint 5

XSD Structure: E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

By Age Group

Over 5
years

Oriented/Appropriate	5
Confused	4
Inappropriate Words	3
Non-specific Sounds	2
None	1

2 - 5 years

Appropriate Words	5
Inappropriate Words	4
Cries and/or Screams	3
Grunts	2
None	1

0 - 23 months

Smiles/Coos/Cries Appropriately	5
Cries/Inconsolable	4
Inappropriate Cries	3
Persistent Cry/Grunting	2
None	1

Additional Information

- Can be configured as a single choice list box

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E14_15 Glasgow Coma Score-Eye

E14_17 Glasgow Coma Score-Motor

E14_18 Glasgow Coma Score-Qualifier

E14_19 Total Glasgow Coma Score

Validation Rule 1 Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

Validation Rule 2 Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure Should not be absent from records

GLASGOW COMA SCORE-MOTOR

E14_17

Data [number]

Definition

The patient's Glasgow Coma Score Motor

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *GCSMotor*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 6

XSD Structure: E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

By Age Group

Over 5 years

Obeys Commands	6
Localization of Pain	5
Withdrawal (pain)	4
Flexor Posturing (pain)	3
Extensor Posturing (pain)	2
None	1

Up to 5 years

Spontaneous	6
Localization of Pain	5
Withdrawal of Pain	4
Flexor Posturing (pain)	3
Extensor Posturing (pain)	2
None	1

Additional Information

- Can be configured as a single choice list box

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E14_15 Glasgow Coma Score-Eye

E14_16 Glasgow Coma Score-Verbal

E14_18 Glasgow Coma Score-Qualifier

E14_19 Total Glasgow Coma Score

Validation Rule 1 Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

Validation Rule 2 Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure Should not be absent from records

GLASGOW COMA SCORE-QUALIFIER

E14_18

Data [combo] single-choice

Definition

Documentation of factors which make the GCS score more meaningful.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *GCSQualifier*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3210 Initial GCS has legitimate values without interventions such as intubation and sedation
3215 Patient Chemically Sedated	3220 Patient Intubated
3225 Patient Intubated and Chemically Paralyzed	

Additional Information

- Can be configured as a single choice list box

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E14_15 Glasgow Coma Score-Eye
E14_16 Glasgow Coma Score-Verbal	E14_17 Glasgow Coma Score-Motor
E14_19 Total Glasgow Coma Score	

Validation Rule 1 Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

Validation Rule 2 Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle.

Quality Measure Should not be absent from records

STROKE SCALE

E14_24

Data [combo] single-choice

Definition

The patient's Cincinnati Stroke Scale Results

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *StrokeScale*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3275 Cincinnati Stroke Scale Negative
3280 Cincinnati Stroke Scale Non-conclusive	3285 Cincinnati Stroke Scale Positive
3290 LA Stroke Scale Negative	3295 LA Stroke Scale Non-conclusive
3300 LA Stroke Scale Positive	

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Should be included in records where E19_15 Providers Primary Impression is 1730-Stroke/CVA or 569005-TIA (Transient Ischemic Attack) **OR** E09_16 is 1865 Stroke/CVA or 570005-TIA (Transient Ischemic Attack).

Quality Measure 95%

THROMBOLYTIC SCREEN

E14_25

Data [combo] single-choice

Definition

The results of the patient's Thrombolytic Screen for potential Thrombolytic use

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ThrombolyticScreen*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3305 Definite Contraindications to Thrombolytic use
3310 No Contraindications to Thrombolytic Use	3315 Possible Contraindications to Thrombolytic Use

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules n/a

Quality Measure n/a

APGAR

E14_26

Data [number]

Definition

The patient's total APGAR score (0-10). Recommended to be taken at 1 and 5 minutes after the infant's birth

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *APGAR*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 10

XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

Additional Information

- Apgar score could be configured as a single choice combo box with values from 0 -10
- Color: 0 = Blue, Pale, 1 = Body Pink, Extremities Blue, 2 = Pink
- Heart Rate: 0 = Absent, 1 = <100, 2 = >100
- Muscle Tone: 0 = Limp, 1 = Some Flexion, 2 = Good Flexion
- Reflex Irritability (when feet stimulated): 0 = No Response, 1 = Some Motion, 2 = Cry
- Respiratory Effort: 0 = Absent, 1 = Weak Cry, 2 = Strong Cry
- The appropriate number for each of the 5 components should be added together

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS AND E06_15 Age Units is minutes.

Quality Measure n/a

ESTIMATED BODY WEIGHT

E16_01

Data [number]

Definition

The patient's body weight in kilograms, either measured or estimated

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>EstimatedBodyWeight</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in VA-XSD	Yes	Minimum Constraint	1
		Maximum Constraint	500

Field Values

Uses

- Part of an EMS Medical Record and to better determine equipment sizes and medication dosages
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

Validation Rules Should be included in the record when E06_14 Age is ≤8 **AND** E06_15 Age Units is 700-Hours, 705-Days, 710-Months, or 715-Years **AND** E18_03 is not null.

Quality Measure 95%

DATE/TIME MEDICATION ADMINISTERED

E18_01

Data [date/time]

Definition

The date/time medication administered to the patient

XSD Data Type *xs:dateTime* **XSD Domain (Simple Type)** *DateTime*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 1,990 **Maximum Constraint** 2,030

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow multiple medication administrations to be documented

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E18_02 Medication Administered Prior to this Unit's EMS Care

E18_03 Medication Given

E18_04 Medication Administered Route

E18_05 Medication Dosage

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

MEDICATION GIVEN

E18_03

Data [combo] single-choice

National Element

Definition

The medication given to the patient

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *MedicationsGiven*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable -20 Not Recorded
-15 Not Reporting -10 Not Known
-5 Not Available

Additional Information

- List created from Medications (D04_06)

Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the medications administered by EMS
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E18_01 Date/Time Medication Administered
E18_04 Medication Administered Route	E18_05 Medication Dosage
E18_06 Medication Dosage Units	E18_07 Response to Medication
E18_08 Medication Complication	E18_09 Medication Crew Member ID

References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN

Validation Rules Should be included in record if medication administered

Quality Measure 95%

MEDICATION ADMINISTERED ROUTE

E18_04

Data [combo] single-choice

Definition

The route that the medication was administered to the patient.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *MedicationAdministeredRoute*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4175 Endotracheal tube
4180 Gastrostomy tube	4185 Inhalation
4190 Intramuscular	4191 Intraosseous
4200 Intraocular	4205 Intravenous
4210 Nasal	4215 Nasal prongs
4220 Nasogastric	4225 Ophthalmic
4230 Oral	4235 Other/miscellaneous
4240 Otic	4245 Re-breather mask
4250 Rectal	4255 Subcutaneous
4260 Sublingual	4265 Topical
4270 Tracheostomy	4275 Transdermal
4280 Urethral	4285 Ventimask
4290 Wound	753000 Inhalation via Nebulizer
4295 Intranasal	753001 Intravenous Pump

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E18_01 Date/Time Medication Administered
E18_03 Medication Given	E18_05 Medication Dosage
E18_06 Medication Dosage Units	E18_07 Response to Medication
E18_08 Medication Complication	E18_09 Medication Crew Member ID

References to Other Databases

- **DEEDS** DEEDS/HL-7 Version 2.3; [combo] Apply externally = AP, Buccal = B, Dental = DT, Epidural = EP, Endotracheal tube = ET, Gastronomy tube = GTT, Genitourinary irrigant = GU, Intraarterial = IA, Intrabursal = IB, Intracardiac = IC, Intracervical (uterus) = IC

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

MEDICATION DOSAGE

E18_05

Data [number]

Definition

The dose or amount of medication given to the patient

XSD Data Type *xs:decimal* **XSD Domain (Simple Type)** *MedicationDosage*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 1,000,000

XSD Structure: (1) All data elements section E18 are members of the E18 Medication Structure. (2) E18_05 and E18_06 are members of E18_05_0 Medication Dosing Structure

Field Values

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E18_01 Date/Time Medication Administered	E18_03 Medication Given
E18_04 Medication Administered Route	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_08 Medication Complication
E18_09 Medication Crew Member ID	

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

MEDICATION DOSAGE UNITS

E18_06

Data [combo] single-choice

Definition

The units of medication dosage given to patient

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *MedicationDosageUnits*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** No

Required in VA-XSD Yes

XSD Structure: (1) All data elements section E18 are members of the E18 Medication Structure. (2) E18_05 and E18_06 are members of E18_05_0 Medication Dosing Structure

Field Values

4295 GMS	4300 Inches
4305 IU	4310 KVO (TKO)
4315 L/MIN	4320 LITERS
4325 LPM	4330 MCG
4335 MCG/KG/MIN	4340 MEQ
4345 MG	4350 MG/KG/MIN
4355 ML	4360 ML/HR
4365 Other	4370 Puffs
755000 gtts (Drops)	755008 Lock/Flush
755002 MCG/MIN	755001 MG/MIN
755004 Minutes	755003 Units/Hour
755007 Rapid Infusion/Push	

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E18_01 Date/Time Medication Administered	E18_03 Medication Given
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_07 Response to Medication
E18_08 Medication Complication	E18_09 Medication Crew Member ID

References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

RESPONSE TO MEDICATION

E18_07

Data [combo] single-choice

Definition

The patient's response to the medication.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ResponseToMedication*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4375 Improved
4380 Unchanged	4385 Worse

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E18_01 Date/Time Medication Administered
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_08 Medication Complication	E18_09 Medication Crew Member ID

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

MEDICATION COMPLICATION

E18_08

Data [combo] multiple-choice

National Element

Definition

Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *MedicationComplication*
Multiple Entry Configuration (1) Yes, via structure. (2) **Accepts Null Values** Yes
Yes for each E14_01
Date/Time

Required in VA-XSD Yes

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4390 None
4395 Altered Mental Status	4400 Apnea
4405 Bleeding	4410 Bradycardia
4415 Diarrhea	4420 Extravasation
4425 Hypertension	4430 Hyperthermia
4435 Hypotension	4440 Hypoxia
4445 Injury	4450 Itching/Urticaria
4455 Nausea	4460 Other
4465 Respiratory Distress	4470 Tachycardia
4475 Vomiting	

Uses

- Allows data to be sorted based on medication complication
- Allows data to describe medication complications which occur as a result of EMS treatment
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E18_01 Date/Time Medication Administered
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_09 Medication Crew Member ID

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

MEDICATION CREW MEMBER ID

E18_09

Data [text]

Definition

The statewide assigned ID number of the EMS crew member giving the treatment to the patient

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CrewMemberID*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 15
XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

- Linked to State certification ID Number (D07_02)
- List box created from the State certification ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, and D08_02 for easy data entry

Uses

- Part of an EMS Medical Record and to document Medication Administration
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E18_01 Date/Time Medication Administered
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_08 Medication Complication

Validation Rules Should be included in record when E18_03 is not null.

Quality Measure 95%

DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

E19_01

Data [date/time]

Definition

The date and time the procedure was performed on the patient

XSD Data Type *xs:dateTime* **XSD Domain (Simple Type)** *DateTime*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes, but null value is blank or empty

Required in VA-XSD Yes **Minimum Constraint** 1,990 **Maximum Constraint** 2,030

XSD Structure: Data Elements E19_01, E19_03, E19_05, E19_06, E19_07, and E19_09 are all members of E19_01_0 Procedure Structure

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow for multiple procedures to be documented

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_06 Procedure Successful	E19_07 Procedure Complication
E19_09 Procedure Crew Members ID	E19_13 Tube Confirmation

Validation Rules Should be included in record when E19_03 is not null.

Quality Measure 95%

PROCEDURE

E19_03

Data [combo] single-choice

National Element

Definition

The procedure performed on the patient.

XSD Data Type *xs:decimal* **XSD Domain (Simple Type)** *Procedure*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 1,000
XSD Structure: Data Elements E19_01, E19_03, E19_05, E19_06, E19_07, and E19_09 are all members of E19_01_0
Procedure Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the procedures which are performed by EMS
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_06 Procedure Successful	E19_07 Procedure Complication
E19_09 Procedure Crew Members ID	E19_13 Tube Confirmation

References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN
- **UTSTEIN** Arrest after arrival of EMS could be documented by CPR or Defibrillation performed along with the Cardiac Arrest datapoint.; [text] Value or

Validation Rules Should be included in record if procedure is performed

Quality Measure 95%

NUMBER OF PROCEDURE ATTEMPTS

E19_05

Data [number]

National Element

Definition

The number of attempts taken to complete a procedure or intervention regardless of success

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *NumberOfProcedureAttempts*

Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes **Minimum Constraint** -25 **Maximum Constraint** 100

XSD Structure: Data Elements E19_01, E19_03, E19_05, E19_06, E19_07, and E19_09 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the procedures which are performed by EMS
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_06 Procedure Successful	E19_07 Procedure Complication
E19_09 Procedure Crew Members ID	E19_13 Tube Confirmation

Validation Rules Should be included in record when E19_03 is not null.

Quality Measure 95%

PROCEDURE SUCCESSFUL

E19_06

Data [combo] single-choice

National Element

Definition

Indication of whether or not the procedure performed on the patient was successful

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *YesNoValues*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in VA-XSD Yes

XSD Structure: Data Elements E19_01, E19_03, E19_05, E19_06, E19_07, and E19_09 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	0 No
1 Yes	

Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the procedures performed by EMS with respect to numbers and success rates
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E19_01 Date/Time Procedure Performed Successfully
E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_07 Procedure Complication	E19_09 Procedure Crew Members ID

Validation Rules Should be included in record when E19_03 is not null.

Quality Measure 95%

PROCEDURE COMPLICATION

E19_07

Data [combo] multiple-choice

National Element

Definition

Any complication associated with the performance of the procedure on the patient

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>ProcedureComplication</i>
Multiple Entry Configuration	(1) Yes, via structure. (2) Yes for each E14_01 Date/Time	Accepts Null Values	Yes

Required in VA-XSD Yes

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4500 None
4505 Altered Mental Status	4510 Apnea
4515 Bleeding	4520 Bradycardia
4525 Diarrhea	4530 Esophageal Intubation-immediately detected
4535 Esophageal Intubation-other	4540 Extravasation
4545 Hypertension	4550 Hyperthermia
4555 Hypotension	4560 Hypoxia
4565 Injury	4570 Itching/Urticaria
4575 Nausea	4580 Other
4585 Respiratory Distress	4590 Tachycardia
4595 Vomiting	776003 Anatomical Abnormality
776004 Foreign Body in Airway	776002 Oral or Pharyngeal Trauma
776001 Patient Resisted Intubation	776005 Vomitus/Blood/Secretions in Airway

Uses

- Allows data to be sorted based on procedure complication
- Allows data to describe procedure complications which occur as a result of EMS treatment as part of a federal initiative to identify and reduce medical errors
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E19_01 Date/Time Procedure Performed Successfully
E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_07 Procedure Complication	E19_09 Procedure Crew Members ID

Validation Rules Should be included in record when E19_03 is not null.

Quality Measure 95%

PROCEDURE CREW MEMBERS ID

E19_09

Data [text]

Definition

The statewide assigned certification number of the EMS crew member performing the procedure on the patient

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CrewMemberID*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 15

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable -20 Not Recorded
-15 Not Reporting -10 Not Known
-5 Not Available

Additional Information

- Linked to State certification ID Number (D07_02)
- List box created from the State certification ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, and D08_02 for easy data entry

Uses

- Part of an EMS Medical Record and to document the Procedure performance
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E19_01 Date/Time Procedure Performed Successfully
E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_07 Procedure Complication	E19_09 Procedure Crew Members ID

Validation Rules Should be included in record when E19_03 is not null.

Quality Measure 95%

TUBE CONFIRMATION

E19_13

Data [combo] multiple-choice

Definition

Endotracheal Tube placement verification at the time the airway procedure was done

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TubeConfirmation*
Multiple Entry Configuration Yes **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4735 Auscultation of Bilateral Breath Sounds
4740 Colormetric CO2 Detector Confirmation	4745 Digital CO2 Confirmation
4750 Esophageal Bulb Aspiration confirmation	4755 Negative Auscultation of the Epigastrium
4760 Visualization of the Chest Rising with Ventilation	4765 Visualization of Tube Passing Through the Cords
4770 Waveform CO2 Confirmation	

Additional Information

- Associated with Procedure (E19_03) if Airway Procedure leads to Intubation

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E19_03** Procedure

Validation Rules Should be included in record when E19_03 Procedure is 6280–Endotracheal Intubation or 6240–Nasotracheal Intubation

Quality Measure 95%

DESTINATION/TRANSFERRED TO, NAME

E20_01

Data [text]

Definition

The destination the patient was delivered or transferred to

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>DestinationTransferredToID</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E20_02** Destination/Transferred To, Code

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

DESTINATION/TRANSFERRED TO, CODE

E20_02

Data [text]

Definition

The code of the destination the patient was delivered or transferred to, if present and available

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>DestinationTransferredToCode</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 2 Maximum Constraint 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

E00 Common Null Values **E20_01** Destination/Transferred To, Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS.

Quality Measure 95%

INCIDENT/PATIENT DISPOSITION

E20_10

Data [combo] single-choice

National Element

Definition

Type of disposition treatment and/or transport of the patient.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *IncidentPatientDisposition*
Multiple Entry Configuration No **Accepts Null Values** No
Required in VA-XSD Yes

Field Values

4815 Cancelled	4820 Dead at Scene
4825 No Patient Found	4830 No Treatment Required
4835 Patient Refused Care	4840 Treated and Released
4845 Treated, Transferred Care	4850 Treated, Transported by EMS
4855 Treated, Referred to Law Enforcement	4860 Treated, Transported by Private Vehicle
804003 Standby Only – No Patient Contacts	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the EMS disposition
- Allows data to describe EMS patient's disposition

Data Collector

- EMS personnel

Other Associated Elements

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Disposition; Pick-List: FD Transport to Emergency Care Facility (ECF) = 1, Non-FD Transport = 2, Non-FD Transport with FD Attendant = 3, Non-Emergency Transfer = 4, Other = O, Not Transported under EMS = N

Validation Rules Included in all records submitted

Quality Measure 100%

TRANSPORT MODE FROM SCENE

E20_14

Data [combo] single-choice

National Element

Definition

Indication whether or not lights and/or sirens were used on the vehicle while leaving scene

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TransportModeFromScene*

Multiple Entry Configuration No **Accepts Null Values** Yes

Required in VA-XSD Yes

Field Values

- | | |
|---|---|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 4955 Initial Lights and Sirens, Downgraded to No Lights or Sirens |
| 4960 Initial No Lights or Sirens, Upgraded to Lights and Sirens | 4970 No Lights or Sirens |
| 4965 Lights and Sirens | |

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the transportation mode
- Allows data to describe transportation mode used by EMS

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated.

Quality Measure 95%

REASON FOR CHOOSING DESTINATION

E20_16

Data [combo] single-choice

National Element

Definition

The reason the unit chose to deliver or transfer the patient to the hospital/facility

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *ReasonForChoosingDestination*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4990 Closest Hospital/Facility
4995 Diversion	5000 Family Choice
5005 Insurance Status	5010 Law Enforcement Choice
5015 On-Line Medical Direction	5020 Other
5025 Patient Choice	5030 Patient's Physicians Choice
5035 Protocol	5040 Specialty Resource Center (Trauma/Stroke/STEMI)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the destination choice
- Allows data to give a reason for choosing the patient's destination which is important to document from a specialty care agency and diversion/overcrowding perspective

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated.

Quality Measure 95%

TYPE OF DESTINATION

E20_17

Data [combo] single-choice

National Element

Definition

The type of destination the patient was delivered or transferred to

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TypeOfDestination*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	7270 Home
7280 Hospital	7290 Medical Office/Clinic
7300 Morgue	7320 Nursing Home
7330 Other	7340 Other EMS Unit (air/Medevac)
7350 Other EMS Unit (ground)	7360 Police/Jail
811000 Not Transported	

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted or grouped based on the EMS transports destination type
- Allows data to describe EMS patient's destination type

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E20_01** Destination/Transferred To, Name

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS, 4855-Treated.

Quality Measure 95%

REQUIRED REPORTABLE CONDITIONS

E23_08

Data [combo] single-choice

Definition

The presence of any condition which is reportable based on State regulations. (Submission of data to OEMS does not constitute meeting mandated reporting.)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *YesNoValues*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in VA-XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	0 No
1 Yes	872028 Serious Injury/Death While Hunting
872024 Child Abuse/Neglect	872025 Elder Abuse/Neglect
872026 Victim of Crime	

Uses

- Allows reports to be generated to assist in the required reporting of mandated medical or social conditions
- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

Validation Rules Included in all submitted records where the Code of Virginia mandates reporting of patient abuse, neglect, or injury

Quality Measure n/a

EXTERIOR DAMAGE

IT5_19

Data [combo] single-choice

Definition

Level of severity of damage to motor vehicles involved in a crash.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ResearchField</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 1 Maximum Constraint 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	368001 Minor
368002 Moderate	368003 Major
369004 None	

Additional Information

- A single choice

Uses

- Used to sort MVC related data by possible severity
- Used to evaluate level of damage versus level of injury

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E10_04 Vehicular Injury Indicators
E10_05 Area of Vehicle Impacted by Collision	E10_08 Use of Occupant Safety Equipment
E10_09 Airbag Deployment	IT5_06 Motor Vehicle Type

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4820-Dead at Scene, 4835-Patient Refused Care, 4840-Treated and Released, 4845-Treated, Transferred Care, 4850-Treated, Transported by EMS, 4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle AND E10_01-Cause of Injury is 9590-MVC non-traffic or 9595-MVC.

Quality Measure 95%

MOTOR VEHICLE TYPE

IT5_06

Data [combo] single-choice

Definition

Description of type vehicle involved in a motor vehicle crash.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ResearchField</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 1 Maximum Constraint 50

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	960009	Aircraft
960006	ATV	960004	Bus
960000	Car	960005	Motorcycle
960003	Semi-Truck	960007	Snowmobile
960010	SUV - Compact	960012	SUV - Fullsize
960011	SUV - Midsize	960001	Truck
960002	Van	960008	Watercraft

Additional Information

- A single choice

Uses

- Identify risk of MVC and severity of injury by vehicle type
- Contribute to highway/traffic safety research
- Identifies potential level of severity and mechanism of injury for the EMS medical record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E10_04 Vehicular Injury Indicators
E10_05 Area of Vehicle Impacted by Collision	E10_08 Use of Occupant Safety Equipment
E10_09 Airbag Deployment	IT5_19 Exterior Damage

PROCEDURE LOCATION

IT7_24

Data [combo] single-choice

Definition

Provides a description of the anatomical location that a procedure was performed

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ResearchField</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 1 Maximum Constraint 50

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	963000	Antecubital-Left
963001	Antecubital-Right	963008	Forearm-Left
963009	Forearm-Right	963020	Wrist-Left
963021	Wrist-Right	963010	Hand-Left
963011	Hand-Right	963002	External Jugular-Left
963003	External Jugular-Right	963022	Humeral Head IO-Left
963023	Humeral Head IO-Right	963016	Sternal IO
963005	Femoral-Left Distal IO	963007	Femoral-Right Distal IO
963017	Tibia IO-Left	963018	Tibia IO-Right
963041	Tibia Distal IO-Left	963042	Tibia Distal IO-Right
963025	Arm-Left	963026	Arm-Right
963012	Lower Extremity-Left	963013	Lower Extremity-Right
963024	Abdomen	963027	Back
963028	Chest-Left	963029	Chest-Right
963030	Eye-Left	963031	Eye-Right
963032	Eyes-Both	963033	Foot-Left
963034	Foot-Right	963035	GI/GU
963036	Head	963037	Mouth
963038	Neck	963039	Nose
963040	Pelvis	963015	Scalp
963019	Umbilical	963014	Other

Additional Information

- A single choice

Uses

- Used as part of the EMS medical record
- Provides further clinical information to assist with the development of training and funding of equipment

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E19_03	Procedure
E19_05	Number of Procedure Attempts	E19_06	Procedure Successful
E19_07	Procedure Complication	E19_09	Procedure Crew Member ID

Validation Rules Should be included in record when E19_03 is not null.

Quality Measure 95%

METHOD OF SECURING ETT

IT7_25

Data [combo] single-choice

Definition

A customizable field to be used by local agencies for additional documentation or research.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ResearchField*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 50
XSD Structure: Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	964000 Tube Tamer
964001 Tie	964002 Tape

Additional Information

- A single choice

Uses

- Used by local EMS agencies to document issues which are specific to an agency or related to research or short term evaluation

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E19_03** Procedure
E19_13 Tube Confirmation

Validation Rules Included in all submitted records when 190_03 Procedure includes 6280-Endotracheal Intubation or 6240-Nasotracheal Intubation.

Quality Measure 95%

AMA TYPE

IT8_19

Data [combo] single-choice

Definition

A customizable field to be used by local agencies for additional documentation or research.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ResearchField</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 1 Maximum Constraint 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	946001 Does not feel condition requires care/transport
946002 Refused Specific Care (i.e. back boarding)	946000 Refused Against Medical Advice

Additional Information

- A single choice

Uses

- Allows clearer documentation in the EMS medical record why a patient refused care
- Allows for the sorting of patient refusals that are transported versus refused specific procedures

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E20_10 Incident/Patient Disposition
IT8_21 AMA Reason	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4835-Patient Refused Care

Quality Measure 95%

AMA REASON

IT8_21

Data [combo] single-choice

Definition

A customizable field to be used by local agencies for additional documentation or research.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ResearchField*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 50
XSD Structure: Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	947000 Chief Complaint Resolved
947001 Feels Ambulance Transport Not Necessary	947002 Private Transport to Hospital/MD Available

Additional Information

- A single choice

Uses

- Allows for the evaluation of the reason a patient refused transport evaluation

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_10 Incident/Patient Disposition	IT8_19 AMA Type

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4835-Patient Refused Care

Quality Measure 95%

FACILITY DIVERTED FROM NAME

IT10_01

Data [text]

Definition

Used to document the hospital name, when an EMS crew would have transported the patient to a different hospital instead of the actual transport destination. Use to document the name of a hospital that diverted a patient upon receiving report.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ResearchField</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 1 Maximum Constraint 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

Additional Information

Uses

- Allows for system-wide collection of hospital diversion information

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E20_01 Destination Transferred to Name
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Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS **AND** E20_16 Reason for Choosing Destination is 4995-Diversion.

Quality Measure 95%

SPECIALTY TEAM NOTIFIED

IT10_02

Data [combo] single-choice

Definition

To the best of the providers knowledge was a specialty team notified to care for the patient in an organized fashion, i.e. trauma team, stroke team, or STEMI team alerts.

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ResearchField</i>
Multiple Entry Configuration Yes, via structure	Accepts Null Values Yes
Required in VA-XSD Yes	Minimum Constraint 1 Maximum Constraint 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	300001 Trauma Team Activation
300002 STEMI Alert	300003 Stroke Alert

Additional Information

- A single choice

Uses

- Used by local EMS agencies to document issues which are specific to an agency or related to research or short term Evaluation
- Allows for the analysis of specialty care center response
- Allows for the analysis of EMS suspected patient acuity

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E20_01 Destination Transferred to Name
E20_10 Incident/Patient Disposition	

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS

Quality Measure 95%

FACILITY NOTIFIED BY

IT10_06

Data [combo] single-choice

Definition

A customizable field to be used by local agencies for additional documentation or research.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ResearchField*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 50

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	304001 Radio
304002 Phone	304003 Unable
304004 Direct	

Additional Information

- A single choice

Uses

- Provides information to assist with communications system development and funding

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E20_01 Destination Transferred to Name
E20_10 Incident/Patient Disposition	IT10_02 Specialty Team Notified

Validation Rules Included in all submitted records when E20_10-Incident Disposition is 4850-Treated, Transported by EMS

Quality Measure 95%

STEMI 12-LEAD INFO PROVIDED TO HOSPITAL PRIOR TO ARRIVAL

IT12_03

Data [combo] single-choice

Definition

Was the 12-Lead EKG finding communicated to the hospital prior to the patients arrival at this Hospital. May include any form of pre-notification of the 12-Lead to the receiving hospital i.e. verbal report or transmission.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ResearchField*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in VA-XSD Yes **Minimum Constraint** 1 **Maximum Constraint** 50
XSD Structure: Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	0 No
1 Yes	

Additional Information

- A single choice

Uses

- Part of the EMS medical record
- Allows for evaluation and performance improvement to STEMI system of care
- Provides information communication systems use

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E20_01 Destination Transferred to Name
E20_10 Incident/Patient Disposition	IT10_02 Specialty Team Notified
IT12_03 Facility Notified By	

Validation Rules Included in all submitted records when E09_15 Providers Primary Impression is 1650-Chest Pain/Discomfort, 1645-Cardiac Rhythm Disturbance, or 569017 Other Cardiovascular Problem **OR** E19_06 Providers Secondary Impression is 1785-Chest Pain/Discomfort, 1780-Cardiac Rhythm Disturbance, or 570017-Other Cardiovascular Problem **AND** E20_10-Incident Disposition is 4850-Treated, Transported by EMS **AND** E19_03 includes 6130-12 Lead EKG.

4855-Treated, Transported by Law Enforcement, 4860-Treated, Transported by Privately Owned Vehicle **AND** E10_01-Cause of Injury is 9590-MVC non-traffic or 9595-MVC.

Quality Measure 95%