



Virginia Statewide Trauma Registry
Data Dictionary

The Hospital Trauma Minimum
Dataset and Quality Standards of
the Commonwealth of Virginia

Version 3.1.0

September 12, 2013

Table of Contents

Purpose of This Document.....	5
Reason for Revision(s).....	5
Acknowledgement	5
How to Use This Document.....	6
Support and Training	8
What Must Be Submitted.....	9
Data Element List	10
Demographic_01 – Patient’s Home ZIP Code.....	10
Demographic_02 – Patient’s Home Country	11
Demographic_03 – Patient’s Home State	12
Demographic_04 – Patient’s Home County/City	13
Demographic_05 – Patient’s Home Town.....	14
Demographic_06 – Alternate Home Address	15
Demographic_07 – Patient’s Date of Birth.....	16
Demographic_08 - Age.....	17
Demographic_09 – Age Units	18
Demographic_10 - Race	19
Demographic_11 – Ethnicity	20
Demographic_12 - Gender.....	21
Demographic_13 – Medical Record Number (MRN)	22
Demographic_14 – Patient’s Last Name	23
Demographic_15 – Patient’s First Name	24
Demographic_16 – Patient Street Address	25
Injury_01 – Injury Incident Date	26
Injury_02 – Injury Incident Time	27
Injury_03 – Work-Related	28
Injury_04 – Patient’s Occupational Industry	29
Injury_05 – Patient’s Occupation	30
Injury_06 – Primary E-Code Type	31
Injury_09 – Injury E-Code Place	32
Injury_10 – Additional E-Code	33
Injury_12 - Incident Location ZIP Code.....	34
Injury_14 - Incident State	35
Injury_15 - Incident County or City	36

Injury_16 - Incident Town (if applicable) ** Nationally this is reported as “City”	37
Injury_17 - Use of Protective Devices/Safety Equipment	38
Injury_19 - Airbag Deployment.....	39
Prehospital_01 – EMS Dispatch Date.....	40
Prehospital_02 – EMS Dispatch Time.....	41
Prehospital_03 – EMS Unit Arrival Date/Time at Scene or Transferring Facility.....	42
Prehospital_04 – EMS Unit Arrival Time at Scene or Transferring Facility	43
Prehospital_05 – EMS Unit Departure Date From Scene or Transferring Facility	44
Prehospital_06 – EMS Unit Departure Time From Scene or Transferring Facility	45
Prehospital_07 - Transport Method to Hospital.....	46
Prehospital_08 – Other/Additional Transport Methods to Hospital	47
Prehospital_09 – Initial Field SBP (Systolic Blood Pressure).....	48
Prehospital_10 – Initial Field Heart Rate.....	49
Prehospital_11 – Initial Field Respiratory Rate.....	50
Prehospital_12 – Initial Field Pulse Oximetry.....	51
Prehospital_13 – Initial Field Glasgow Coma Score - Eye	52
Prehospital_14 – Initial Field Glasgow Coma Score - Verbal.....	53
Prehospital_15 – Initial Field Glasgow Coma Score - Motor.....	54
Prehospital_16 – Initial Field Total Glasgow Coma Score	55
Prehospital_17 – Interfacility Transfer	56
Prehospital_18 – Name of Hospital Transferred From Code	57
Prehospital_19 – Name of EMS Agency Received From Code	58
ED/Hospital_01 – ED/Hospital Arrival Date	59
ED/Hospital_02 – ED/Hospital Arrival Time.....	60
ED/Hospital_03 – Initial ED/Hospital SBP (Systolic Blood Pressure)	61
ED/Hospital_04 – Initial ED/Hospital Heart Rate.....	62
ED/Hospital_05 – Initial ED/Hospital Temperature.....	63
ED/Hospital_06 – Initial ED/Hospital Respiratory Rate	64
ED/Hospital_07 – Initial ED/Hospital Respiratory Assistance	65
ED/Hospital_08 – Initial ED/Hospital Pulse Oximetry	66
ED/Hospital_09 – Initial ED/Hospital Supplemental Oxygen	67
ED/Hospital_10 – Initial ED/Hospital Glasgow Coma Score - Eye.....	68
ED/Hospital_11 – Initial ED/Hospital Glasgow Coma Score - Verbal	69
ED/Hospital_12 – Initial ED/Hospital Glasgow Coma Score - Motor.....	70
ED/Hospital_13 – Initial ED/Hospital Total Glasgow Coma Score.....	71
ED/Hospital_14 – Initial ED/Hospital Glasgow Coma Score - Qualifier	72

ED/Hospital_17 – Alcohol Use Indicator	73
ED/Hospital_18 – Drug Use Indicator.....	74
ED/Hospital_19 – ED Disposition.....	75
ED/Hospital_20 – Signs of Life.....	76
ED/Hospital_21 – ED Disposition Date	77
ED/Hospital_22 – ED Disposition Time	78
Procedures_01 – Hospital Procedures	79
Procedures_02 – Hospital Procedure Start Date.....	80
Procedure_03 – Hospital Procedure Start Time.....	81
Organ_01 – Organs Donated	82
Diagnosis_01 - Co-Morbid Conditions.....	83
Diagnosis_02 – Injury Diagnosis.....	85
Severity_01 – AIS Code	86
Severity_02 – AIS Severity	87
Severity_03 – ISS Score	88
Severity_04 – AIS Version	89
Severity_05 – Locally Calculated ISS	90
Outcome_01 – Total ICU Length of Stay.....	91
Outcome_02 – Total Ventilator Days	92
Outcome_03 – Hospital Discharge Date.....	93
Outcome_04 – Hospital Discharge Time.....	94
Outcome_05 – Hospital Discharge Disposition.....	95
Outcome_06 – Name of Hospital Transferred To Code.....	96
Financial_01 – Primary Method of Payment	97
Quality_01 – Hospital Complications.....	98
TERMS	99
Version Change Log	99

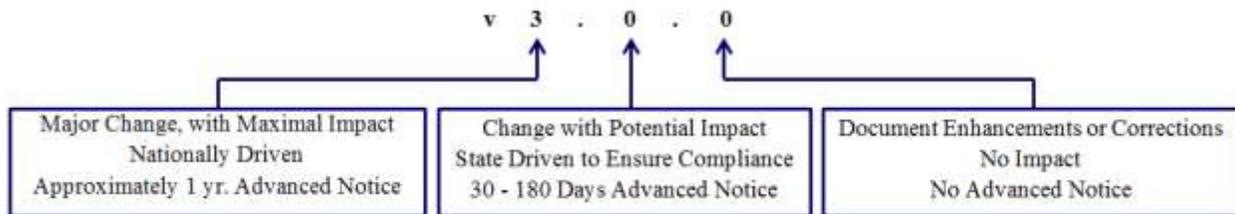
Purpose of This Document

The Virginia Statewide Trauma Registry (VSTR) Data Dictionary provides a detailed list of Virginia's **minimum** trauma registry dataset and quality requirements. The minimum dataset was officially adopted on September 12, 2014 by the State Board of Health as required. All hospitals which render emergency medical services are mandated by the Code of Virginia § 32.1-116.1 to submit the minimum dataset.

Reason for Revision(s)

VSTR v3 was produced to allow Virginia to remain current with the National Trauma Data Standard Data Dictionary. To improve communication and better track historical changes that occur with the VSTR data dictionary, VDH/OEMS will begin utilizing a versioning process when updating the VSTR v3 data dictionary. The version number will use a three digit description of the version of the data dictionary. Figure 1 provides a description of how the version numbers will be utilized.

Figure 1



Note: All notices will be sent via e-mail to system users and each hospital's primary contact and others who elect to be notified via subscribing to the OEMS Support Suite list serve. OEMS is not responsible for notice beyond this primary e-mail contact.

Acknowledgement

The National Trauma Data Standard (NTDS) of the National Trauma Data Bank (NTDB) establishes the national standard for trauma data collection. The VSTR is based on the NTDS. This document is Commonwealth of Virginia specific and is the product of the VDH/OEMS and not the NTDS. The vendor of contract for the VSTR is currently ImageTrend Inc.

How to Use This Document

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

Figure 2

Virginia Trauma Registry Data Dictionary v3.0.0		Demographic_12	
		National	State
Demographic_12 - Gender			
Definition			
The patient's gender.			
Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	ePatient.13	Is Nillable	No
Who Must Report	All	Recurrence	1 : 1

- 1) This is the version of the document. As demonstrated above and shown in Figure 2, the VDH/OEMS will more aggressively attempt to maintain a more precise data dictionary that will clearly show hospitals the most up to date information available.
- 2) Data element number as assigned by the VDH/OEMS based upon the National Trauma Standard Data Dictionary.
- 3) Identifies the element as a State only element or a State and National element. This is informational only to provide users with an understanding of what elements are collected by the VDH/OEMS and what items are collected by the National Trauma Data Bank.
- 4) The data element number and name.
- 5) The data element definition, which is a brief description of the information being collected in the element.
- 6) Identifies when there is a data validation rule in place. Validation rules provide further guidance on how to report the data element and provide a quality tool for hospitals and the VDH/OEMS. Users will know if the required level of quality is being met when reporting this element.
- 7) The Usage/Required in XSD box identifies a technical specification only. The National Trauma Data Standard requires that all elements contain a value. "Mandatory" indicates that when submitting an electronic file from another third party software vendor (EMR or Trauma Registry) the field cannot be [blank].
- 8) Validation Rule Score provides users with the scoring weight of a validation rule. The validation tool tracks data quality and assigns a score for each element not reported correctly. The maximum score is 100% and the tool will not show a score less than 0%. This score is also utilized by the VDH/OEMS to identify and assure data quality compliance.
- 9) Not Values, using a Yes or No, demonstrate whether a data element can be answer with a Not Value such as "not applicable" or "not known/not recorded." Validation rules may still deduct points when not values are submitted if valid data should have been reported.
- 10) Item 10 identifies the EMS data element equivalent, if any.
- 11) Is Nillable shows whether the data element can be submitted as a [blank].

- 12) Who Must Report: Identifies which hospitals must report “TC’s Only” indicates that only designated trauma centers must report the element and “ALL” indicates that all hospitals that provide emergency services must report the element
- 13) Recurrence identifies whether a single response is needed, or multiple responses can be given. For example; gender would be 1:1 because you cannot respond with male and female and only one selection can be chosen. With a list of items such as procedures a 1:M (many) can be given because it is appropriate to report a patient was wearing a helmet and protective clothing when involved in a motorcycle crash.

Figure 3

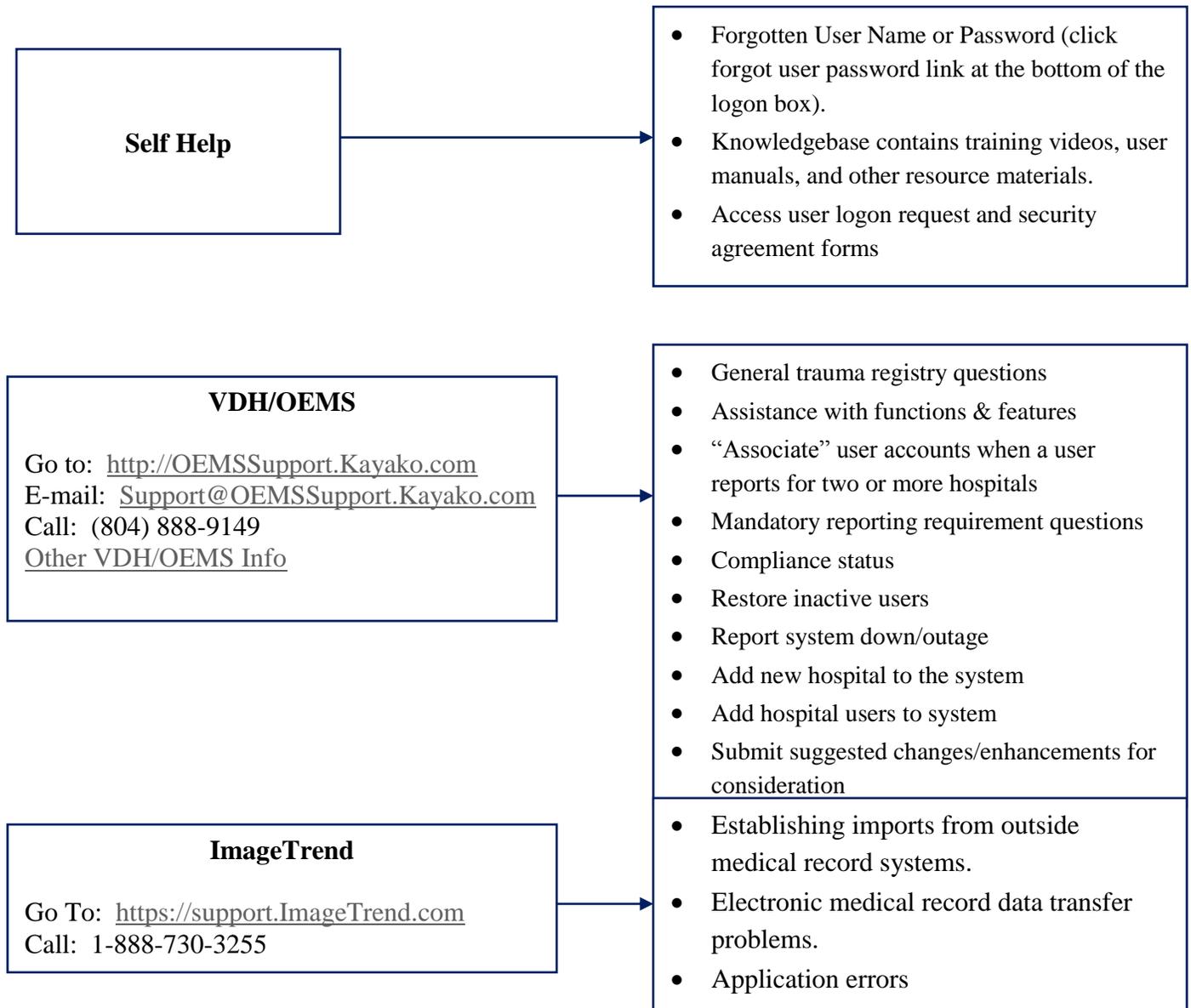
Attributes 	
Not Values	
1 - Not Applicable	2 – Not Known/Not Recorded
Code List 	
Code List	Description
1	Male
2	Female
Validation Rule Trigger(s) 	
Rule 1: When the patient's gender is [blank] or is a not value.	
Purpose of Collection/Associated Performance Measures 	
Allows data to be sorted based upon gender.	
Data Element Comment 	

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

Support and Training

The VSTR system includes a wide variety of tools to assist users with finding solutions to problems and provide education and guidance with not only complying with the State requirement to submit data, but also to use optional tools available to hospitals. Web-based live classes can be requested, videos, manuals, fact sheets and more can be found in both the VSTR and OEMS Support Suite Knowledgebase's. To help users with contacting the correct support, see Figure 4 below.

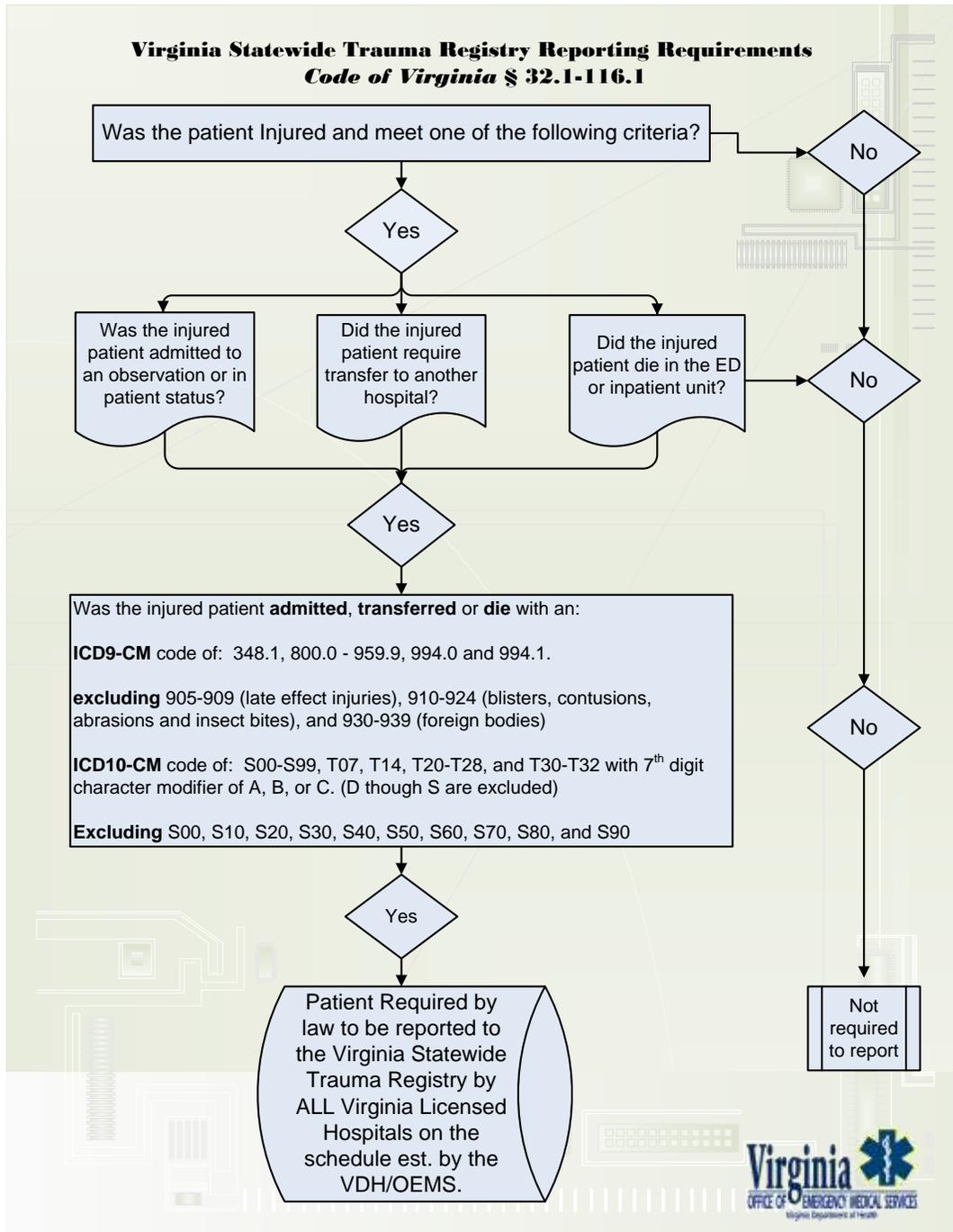
Figure 4



What Must Be Submitted

The VSTR collects the items (data elements) listed in the Data Field List section of this document on all injured patients that present to a hospital that require admission, treatment and transfer to another acute care hospital, or die from injuries at the hospital based on a specific range of ICD9 or ICD10 codes. Figure 5 exhibits the decision process of whether a hospital must report a patient to the VSTR. If it is determined that the patient must be reported, each required item in the Data Element List shall be reported.

Figure 5



National

State

Demographic_02 – Patient’s Home Country

Definition

The country where the patient resides.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Two-digit alpha country code (i.e. US)

Validation Rule Trigger(s)

Rule 1: When the patient's home country is [blank] or is a not value.

Rule 2: The country code must be valid and in the correct format.

Purpose of Collection/Associated Performance Measures

- Allows data to be sorted based upon the geographic location of the patient’s home.
- Applicable patient addresses are used by the Virginia Department of Rehabilitative Services to provide further services.
- Utilized for data linkages.

Data Element Comment

Country codes can be looked up in the ISO_3166-1 at http://en.wikipedia.org/wiki/ISO_3166-1_alpha-2

National

State

Demographic_03 – Patient’s Home State

Definition

The patient's home state, territory, province, or District of Columbia, where the patient resides.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.08	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Two-digit numeric GNIS Code (i.e. Virginia is 51). GNIS Codes were formerly known as FIPS Code.

Validation Rule Trigger(s)

Rule 1: When Patient’s Home State is [blank].

Rule 2: When the Patient’s Home State is a not value **AND** Demographic_06/Alternate Home Address is [blank] or a not value.

Rule 3: The Homes State must be valid and in the correct format (2 digit numeric).

Purpose of Collection/Associated Performance Measures

- Allows data to be sorted based upon the geographic location of the patient’s home.
- Applicable patient addresses are used by the Virginia Department of Rehabilitative Services to provide further services.
- Utilized for data linkages.

Data Element Comment

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

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

National

State

Demographic_04 – Patient’s Home County/City

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.07	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element Data Type

Must be a valid Virginia county or city name (see data element comment below)

Validation Rule Trigger(s)

Rule 1: When Patient’s Home County/City is [blank].

Rule 2: When the Patient’s Home County/City is a not value **AND** Demographic_06/Alternate Home Address is [blank] or a not value.

Rule 3: The Homes County/City must be valid and in the correct format.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon the geographic location, provide outreach services and for linkage.

Data Element Comment

The Commonwealth of Virginia is divided into 95 counties and **39 independent cities, which are considered county-equivalents** for census purposes. In Virginia all municipalities incorporated as towns are included within counties. Under Virginia law, all municipalities incorporated as cities are independent cities and are not part of any county. There are several counties and cities which share the same name, but are separate politically and in some cases by a significant distance. These include Bedford, Fairfax, Franklin, Richmond, and Roanoke.

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

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

National

State

Demographic_05 – Patient’s Home Town

Definition

The township (if applicable) where the patient lives (or best approximation). **NOTE:** counties AND cities in Virginia are reported through Demographic_04.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-1	Not Values	Yes
EMS VAv3 Element	ePatient.06	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Virginia Counties and Cities are reported via D_04. This field should identify further geographical locations.

Validation Rule Trigger(s)

Rule 1: When Patient’s Home Town is [blank].

Data Element Comment

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

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

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

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

National

State

Demographic_06 – Alternate Home Address

Definition

Documents why a patient has no address i.e. homelessness.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7497000	Homeless
7497001	Undocumented Citizen
7497002	Migrant Worker
7497003	Foreign Visitor

Validation Rule Trigger(s)

Rule 1: When Alternate Home Address uses a not value **AND** patients home Zip Code **OR** home country **OR** home state **OR** home county/city is/are [blank] or a not value.

Data Element Comment

- Homeless is defined as a person who lacks housing. The definition also includes a person living in transitional housing or a supervised public or private facility providing temporary living quarters.
- Undocumented Citizen is defined as a national of another country who has entered or stayed in another country without permission.
- Migrant Worker is defined as a person who temporarily leaves his/her principal place of residence within a country in order to accept seasonal employment in the same country.
- Foreign Visitor is defined as any person visiting a country other than his/her usual place of residence for any reason without intending to receive earnings in the visited country.

National

State

Demographic_07 – Patient’s Date of Birth

Definition

The patient's date of birth.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.17	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Date

minLength

1890-01-01

maxLength

2050-01-01

Validation Rule Trigger(s)

Rule 1: The patient’s DOB is out of range.

Rule 128: A DOB is required.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based on age and allow for data linkage.

Data Element Comment

National

State

Demographic_08 - Age

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.15	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

minConstraint

1

maxConstraint

120

Validation Rule Trigger(s)

Rule 5: A letter cannot be reported in the age field.

Rule 55: The patient's age is out of range.

Rule 129: The patient's age is missing.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based on age and allow for data linkage.

Data Element Comment

Age may be auto-calculated from the DOB.

National

State

Demographic_09 – Age Units

Definition

The unit used to define the patient's age.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.16	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
1	Hours
2	Days
3	Months
4	Years

Validation Rule Trigger(s)

Rule 1: When the patient's age unit is [blank] or is a not value.

Rule 2: The patient age units must be valid and in the correct format (i.e. ages > 115 years, months >36 etc.)

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon age.

Data Element Comment

National

State

Demographic_10 - Race

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10/-1	Not Values	Yes
EMS VAv3 Element	ePatient.14	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7539001	Asian
7539003	Native Hawaiian or Other Pacific Islander
7539004	Other Race
7539000	American Indian or Alaska Native
7539002	Black or African American
7539005	White

Validation Rule Trigger(s)

Rule 56: A valid race must be reported.

Rule 130: The race of the patient cannot be blank.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon race.

Data Element Comment

OMB requirements are provided at: <http://www.omhrc.gov/templates/browse.aspx?lvl=2&lvlID=172>. Using single multiple choice question methodology to improve the completion of ethnicity information.

National

State

Demographic_11 – Ethnicity

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10/-1	Not Values	Yes
Version 2 Element	E06_12	Is Nillable	No*
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7538001	Hispanic or Latino
7538000	Not Hispanic or Latino

Validation Rule Trigger(s)

Rule 1: When the patient's ethnicity is [blank] or is a not value.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon ethnicity.

Data Element Comment

OMB requirements are provided at: <http://www.omhrc.gov/templates/browse.aspx?lvl=2&lvlID=172>. Using single multiple choice question methodology to improve the completion of ethnicity information.

National

State

Demographic_12 - Gender

Definition

The patient's gender.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.13	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7540001	Male
7540000	Female

Validation Rule Trigger(s)

Rule 57: The Gender cannot be reported as a not value.**Rule 131:** The patient's gender is missing.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon gender.

Data Element Comment

State

Demographic_13 – Medical Record Number (MRN)

Definition

The patient's medical record number for the hospital reporting.

Validation Rule in Place	Yes	Pertinent Negatives	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Alphanumeric value.

Validation Rule Trigger(s)

Rule 52: The medical record number is missing.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted by individual patient, used for trauma center designation, and linkage to other databases.

Data Element Comment

State

Demographic_14 – Patient’s Last Name

Definition

The patient's last name.

Validation Rule in Place	Yes	Pertinent Negatives	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Alphanumeric/String value.

Validation Rule Trigger(s)

Rule 54: Patient's Last Name is missing**Rule 178:** The patient's last name can only contain letters.

Purpose of Collection/Associated Performance Measures

- Allows data to be sorted based upon the geographic location of the patient’s home.
- Used for the trauma center designation process.
- Applicable patient addresses are used by the Virginia Department of Rehabilitative Services to provide further services.
- Utilized for data linkages.

Data Element Comment

State

Demographic_15 – Patient’s First Name

Definition

The patient's first name.

Validation Rule in Place	Yes	Pertinent Negatives	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Alphanumeric/String value.

Validation Rule Trigger(s)

Rule 53: The patient's first name is missing.**Rule 179:** The patient's first name can only contain letters.

Purpose of Collection/Associated Performance Measures

- Allows data to be sorted based upon the geographic location of the patient’s home.
- Used for the trauma center designation process.
- Applicable patient addresses are used by the Virginia Department of Rehabilitative Services to provide further services.
- Utilized for data linkages.

Data Element Comment

State

Demographic_16 – Patient Street Address

Definition

The street address considered the patients primary residence.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
EMS VAv3 Element	ePatient.15	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

Field Values

Relevant value for data element

Data Type	minConstraint	maxConstraint
Alphanumeric	2	120

Validation Rule Trigger(s)

Rule 7: The patient's street is missing.

Rule 132: The street address begins with an invalid character.

Purpose of Collection/Associated Performance Measures

- Allows data to be sorted based upon the geographic location of the patient's home.
- Used for the trauma center designation process.
- Applicable patient addresses are used by the Virginia Department of Rehabilitative Services to provide further services.
- Utilized for data linkages.

Data Element Comment

National

State

Injury_01 – Injury Incident Date

Definition

The date the injury occurred. This is described or estimated by the patient, family, and/or healthcare professionals.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eSituation.01	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not value

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

date

minValue

1950-01-01

maxValue

2050-01-01

Validation Rule Trigger(s)

Rule 10: The injury date is missing.

Rule 133: The Injury Incident Date is out of range.

Rule 180: The injury date cannot occur after the patient's discharge.

Purpose of Collection/Associated Performance Measures

Important to identify when the injury event started to better analyze resource utilization and outcomes.

Data Element Comment

National

State

Injury_02 – Injury Incident Time

Definition

The time the injury occurred. This is described or estimated by the patient, family, and/or healthcare professionals.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eSituation.01	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not value

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Time

minValue

00:00

maxValue

24:00

Validation Rule Trigger(s)

Rule 11: The Injury Incident Time is missing.

Purpose of Collection/Associated Performance Measures

Important to identify when the injury event started to better analyze resource utilization and outcomes.

Data Element Comment

National

State

Injury_03 – Work-Related

Definition

Indication of whether the injury occurred during paid employment.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7536000	Yes
7536001	No

Validation Rule Trigger(s)

Rule 1: When the Work-Related is [blank] or uses a not value.

Purpose of Collection/Associated Performance Measures

Allows one to characterize injuries associated with job environments.

Data Element Comment

If work related, two additional data fields must be completed: Patient's Occupational Industry and Patient's Occupation.

National

State

Injury_04 – Patient’s Occupational Industry**Definition**

The occupational industry associated with the patient’s work environment.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7470000	Finance, Insurance, and Real Estate
7470001	Manufacturing
7470002	Retail Trade
7470003	Transportation and Public Utilities
7470004	Agriculture, Forestry, Fishing
7470005	Professional and Business Services
7470006	Education and Health Services
7470007	Construction
7470008	Government
7470009	Natural Resources and Mining
7470014	Information Services
7470011	Wholesale Trade
7470012	Leisure and Hospitality
7470010	Other Services

Validation Rule Trigger(s)

Rule 1: When Work-Related is [blank] or is a not value **AND** Injury_03/Work-Related is Yes.

Purpose of Collection/Associated Performance Measures

Can be used to better describe injuries associated with work environments.

Data Element Comment

National

State

Injury_05 – Patient’s Occupation

Definition

The patient’s occupation.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7537003	Business and Financial Operations Occupations
7537000	Architecture and Engineering Occupations
7537004	Community and Social Services Occupations
7537007	Education, Training, and Library Occupations
7537010	Healthcare Practitioners and Technical Occupations
7537020	Protective Service Occupations
7537002	Building and Grounds Cleaning and Maintenance
7537021	Sales and Related Occupations
7537008	Farming, Fishing, and Forestry Occupations
7537012	Installation, Maintenance, and Repair Occupations
7537022	Transportation and Material Moving Occupations
7537015	Management Occupations
7537005	Computer and Mathematical Occupations
7537014	Life, Physical, and Social Science Occupations
7537013	Legal Occupations
7537001	Arts, Design, Entertainment, Sports, and Media
7537011	Healthcare Support Occupations
7537009	Food Preparation and Serving Related
7537018	Personal Care and Service Occupations
7537017	Office and Administrative Support Occupations
7537006	Construction and Extraction Occupations
7537019	Production Occupations
7537016	Military Specific Occupations

Validation Rule Trigger(s)

Rule 1: When the Patient’s Occupation is [blank] or is a not value **AND** Injury_03/Work-Related is Yes.

Purpose of Collection/Associated Performance Measures

Can be used to better describe injuries associated with work environments.

Data Element Comment

National

State

Injury_06 – Primary E-Code Type

Definition

E-code used to describe the mechanism (or external factor) that caused the injury event.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer Valid ICD-9-CM (800 – 899)/ICD-10 code value for all identified injuries (max. 50 entries). Patients admitted on or after 10/1/2014 shall be reported using ICD-10.

Validation Rule Trigger(s)

Rule 15: A cause of Injury is required to be reported by E-Code.

Purpose of Collection/Associated Performance Measures

Allows injuries to be characterized by mechanism causing the injury.

Data Element Comment

National

State

Injury_09 – Injury E-Code Place

Definition

E-code used to describe the place/site/location of the injury event (E 849.X).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

Valid ICD-9-CM (E849.X)/ICD-10 code location value for all identified injuries. Patients admitted on or after 10/1/2014 shall be reported using ICD-10.

Validation Rule Trigger(s)

Rule 13: An E-Code Place / incident location type is required.**Rule 175:** The E-Code Place/Location Type is missing.**Rule: 176:** The E-Code Place/Location Type cannot be a not value.

Purpose of Collection/Associated Performance Measures

Allows injuries to be characterized by the place/site/location of the injury.

Data Element Comment

National

State

Injury_10 – Additional E-Code

Definition

Additional E-code used to describe, for example, a mass casualty event, or other external cause.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

Valid ICD-9-CM (E849.X)/ICD-10 code location value for all identified injuries. Patients admitted on or after 10/1/2014 shall be reported using ICD-10.

Validation Rule Trigger(s)

Rule 1: When the Additional E-Code is [blank] or is a not value.

Purpose of Collection/Associated Performance Measures

Allows injuries to be characterized by an additional mechanism causing the injury when applicable.

Data Element Comment

National

State

Injury_12 - Incident Location ZIP Code

Definition

The ZIP Code of the incident location.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	eScene.19	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Stored as a five or nine digit code (XXXXX-XXXX)

Validation Rule Trigger(s)

Rule 14: The Zip code where the injury occurred is required.

Rule 134: A Zip Code for the incident location is required.

Rule 135: The incident location Zip code you provided is invalid.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon the geographic location of the injury event.

Data Element Comment

ZIP Codes Product Website:

<https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>

Product: USA - 5-digit ZIP Code Database, Commercial Edition

National

State

Injury_14 - Incident State

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	eScene.18	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Two-digit numeric GNIS Code (i.e. Virginia is 51). GNIS Codes were formerly known as FIPS Code.

Validation Rule Trigger(s)

Rule 1: When the Incident State is [blank].

Rule 2: When the Patient's Home State is a not value.

Rule 3: The Homes State must be valid and in the correct format (2 digit numeric).

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon the geographic location of the injury event.

Data Element Comment

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

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

National

State

Injury_15 - Incident County or City

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eScene.21	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element Data Type

Must be a valid Virginia county or city name (see data element comment below)

Validation Rule Trigger(s)

Rule 1: When the Incident County or City is [blank].

Rule 2: When the Incident County/City is a not value **AND** Demographic_06/Alternate Home Address is [blank] or a not value.

Rule 3: The Incident County/City must be valid and in the correct format.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon the geographic location of the injury event.

Data Element Comment

The Commonwealth of Virginia is divided into 95 counties and **39 independent cities, which are considered county-equivalents** for census purposes. In Virginia all municipalities incorporated as towns are included within counties. Under Virginia law, all municipalities incorporated as cities are independent cities and are not part of any county. There are several counties and cities which share the same name, but are separate politically and in some cases by a significant distance. These include Bedford, Fairfax, Franklin, Richmond, and Roanoke.

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

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

National

State

Injury_16 - Incident Town (if applicable) ** Nationally this is reported as “City”

Definition

The township (if applicable) where the patient was found or to which the EMS unit responded (or best approximation). **NOTE:** counties AND cities in Virginia are reported through I_13.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eScene.16	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element Data Type

Virginia Counties and Cities are reported via I_13. This field should identify further geographical locations.

Validation Rule Trigger(s)

Rule 1: When Incident Town is [blank].

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon the geographic location of the injury event.

Data Element Comment

National

State

Injury_17 - Use of Protective Devices/Safety Equipment

Definition

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

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eInjury.07	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes

Not Values**CODE CHANGES PENDING**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
1	None
2	Lap Belt Without Shoulder Belt
3	Personal Flootation Device
4	Protective Gear Non-Clothing (i.e. shin guards)
5	Eye Protection
6	Child Restraint (booster seat, child car seat)
7	Helmet Worn (e.g., bicycle, skiing, motorcycle)
8	Airbag Present
9	Protective Clothing (e.g., padded leather pants)
10	Lap Belt With Shoulder Belt
11	Other

Validation Rule Trigger(s)

Rule 1: When Use of Protective Devices is [blank] or uses a not value (none is available as a choice).

Rule 2: Cannot have a common not value and another value at the same time. (i.e. n/a & eye protection)

Rule 3: Cannot have "None" and another value at the same time. (i.e. none & n/a or value)

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

Purpose of Collection/Associated Performance Measures

Used to better define injury cause and characterize injury patterns.

Data Element Comment

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

State

Injury_19 - Airbag Deployment

Definition

Indication of airbag deployment.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eInjury.08	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes

Not Values**CODE CHANGES PENDING**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
1	Airbag Not Deployed
2	Airbag Deployed Front
3	Airbag Deployed Side
4	Airbag Deployed Other (knee, Air belt, Curtain, etc.)

Validation Rule Trigger(s)

Rule 1: When Airbag Deployment is [blank] or uses not applicable **AND** the E_Code type indicates a MVC.**Rule 2:** When Airbag Deployment is [blank] or uses not applicable **AND** Injury_14 includes Airbag Present.**Rule 3:** Cannot have a common not value and another value at the same time.

Purpose of Collection/Associated Performance Measures

Used to better define injury cause and characterize injury patterns.

Data Element Comment

MMUCC P8 data element used but Other added to include newer airbag devices. URL:

http://www.mmucc.us/mmucctraining_old/lessons/occupant/seatingposition_files/seatingposition04.htm

National

State

Prehospital_01 – EMS Dispatch Date

Definition

The date the unit transporting to your hospital was notified by dispatch.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	eTimes.03	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
date	1990-01-01	2030-01-01

Validation Rule Trigger(s)

Rule 21: The EMS Dispatch time is missing.

Rule 181: The EMS dispatch date cannot be after hospital discharge date.

Rule 184: EMS dispatch time is after hospital arrival time.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon EMS agency time intervals.

Data Element Comment

Date consists of finite-length characters of the form: yyyy '-' mm '-' dd

National

State

Prehospital_02 – EMS Dispatch Time

Definition

The time the unit transporting to your hospital was notified by dispatch.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	eTimes.03	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
Time	00:00	23:59

Validation Rule Trigger(s)

Rule 1: Unit Dispatched time is [blank].

Rule 2: Time sequences must be logical (EMS Dispatch Date/Time > Patient Arrived ED/Hospital Date/Time > ED Discharge Date/Time ≥ Hospital Discharge Date/Time.)

Rule 3: Time sequences must be logical (EMS Dispatch Date/Time > Patient Arrived ED/Hospital > Hospital Procedure Date/Time.)

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon EMS agency time intervals.

Data Element Comment

National

State

Prehospital_03 – EMS Unit Arrival DateTime at Scene or Transferring Facility**Definition**

The date/time the unit transporting to your hospital arrived on scene or at transferring facility (the time the vehicle stopped moving).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	eTimes.06	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
date	1990-01-01	2030-01-01

Validation Rule Trigger(s)

Rule 182: The EMS unit arrival date cannot be after hospital discharge.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon EMS agency time intervals.

Data Element Comment

- For inter facility transfer patients, this is the date on which the unit transporting the patient to your facility from the transferring facility arrived at the transferring facility (arrival is defined at date/time when the vehicle stopped moving).
- For patients transported from the scene of injury to your hospital, this is the date on which the unit transporting the patient to your facility from the scene arrived at the scene (arrival is defined at date/time when the vehicle stopped moving).

National

State

Prehospital_04 – EMS Unit Arrival Time at Scene or Transferring Facility**Definition**

The time the unit transporting to your hospital arrived on the scene or at the hospital transferring the patient to your hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
Version 2 Element	eTimes.06	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
Time	00:00	23:59

Validation Rule Trigger(s)

Rule 137: The scene / transfer hospital EMS arrival time is missing.

Rule 139: The EMS unit cannot arrive on scene prior to notify time.

Rule 185: EMS unit arrive scene time cannot be after the unit leaves the scene.

Rule 186: The EMS units arrive on scene time is after its hospital arrival time.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon EMS agency time intervals.

Data Element Comment

- For inter facility transfer patients, this is the time at which the unit transporting the patient to your facility from the transferring facility arrived at the transferring facility (arrival is defined at date/time when the vehicle stopped moving).
- For patients transported from the scene of injury to your hospital, this is the time at which the unit transporting the patient to your facility from the scene arrived at the scene (arrival is defined at date/time when the vehicle stopped moving).

National

State

Prehospital_05 – EMS Unit Departure Date From Scene or Transferring Facility

Definition

The date the unit transporting to your hospital left the scene or hospital transferring from.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	eTimes.09	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
date	1990-01-01	2030-01-01

Validation Rule Trigger(s)

Rule 23: The time EMS left the scene or transferring hospital is missing.

Rule 183: EMS departure time from scene/transferring facility is after discharge.

Rule 187: The EMS unit depart scene must be before the hospital arrival time.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon EMS agency time intervals.

Data Element Comment

- For inter facility transfer patients, this is the date on which the unit transporting the patient to your facility from the transferring facility departed from the transferring facility (departure is defined at date/time when the vehicle started moving).
- For patients transported from the scene of injury to your hospital, this is the date on which the unit transporting the patient to your facility from the scene departed from the scene (arrival is defined at date/time when the vehicle started moving).

National

State

Prehospital_06 – EMS Unit Departure Time From Scene or Transferring Facility

Definition

The time the unit transporting to your hospital left the scene (the time the vehicle started moving).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	n/a	Not Values	Yes
Version 2 Element	eTimes.09	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
Time	00:00	23:59

Validation Rule Trigger(s)

Rule 140: The EMS departure time from the scene or transferring hospital is missing.

Rule 141: EMS departure from scene cannot be before notified time.

Rule 142: EMS departure from scene/transferring hospital time is before arrive scene time.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon EMS agency time intervals.

Data Element Comment

- For inter facility transfer patients, this is the time at which the unit transporting the patient to your facility from the transferring facility departed from the transferring facility (departure is defined at date/time when the vehicle started moving).
- For patients transported from the scene of injury to your hospital, this is the time at which the unit transporting the patient to your facility from the scene departed from the scene (arrival is defined at date/time when the vehicle started moving).

National

State

Prehospital_07 - Transport Method to Hospital

Definition

The mode of transport delivering the patient to your hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eDisposition.16	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7468001	Ground - Ambulance
7468002	Medevac/HEMS
7468003	Air Medical-Fixed Wing
7468004	Walk-in/Public Vehicle/Private Conveyance
7468005	Police
7468006	Other Not Listed

Validation Rule Trigger(s)

Rule 143: The EMS transport method to hospital is missing.

Rule 212: The transport mode to hospital is missing.

Rule 213: A valid transport method to the hospital is required.

Purpose of Collection/Associated Performance Measures

Allows data to be evaluated based on mode of transport utilized to reach the hospital.

Data Element Comment

National

State

Prehospital_08 – Other/Additional Transport Methods to Hospital**Definition**

All other modes of transport used during patient care event (prior to arrival at your hospital), except the mode delivering the patient to the hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7554001	Ground - Ambulance
7554002	Medevac/HEMS
7554003	Air Medical-Fixed Wing
7554005	Police
7554006	Other Not Listed

Validation Rule Trigger(s)

Rule 1: When Additional Transport Method is [blank].

Purpose of Collection/Associated Performance Measures

Allows data to be evaluated based on mode of transport utilized to reach the hospital.

Data Element Comment

National

State

Prehospital_09 – Initial Field SBP (Systolic Blood Pressure)

Definition

First recorded systolic blood pressure measured at the scene of injury.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.06	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

minValue

0

MaxValue

300

Validation Rule Trigger(s)

Rule 188: The first recorded EMS systolic B/P is required.

Rule 189: The EMS systolic B/P is out of range.

Rule 190: The EMS systolic B/P cannot contain an alpha character.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

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

National

State

Prehospital_10 – Initial Field Heart Rate

Definition

First recorded pulse measured at the scene of injury (palpated or auscultated), expressed as a number per minute.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.10	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Data Type

Integer

minValue

0

maxValue

299

Validation Rule Trigger(s)

Rule 191: The initial EMS pulse rate is required.

Rule 192: The EMS pulse rate is out of range (0-299).

Rule 193: The EMS pulse cannot include an alpha character.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

Prehospital_11 – Initial Field Respiratory Rate

Definition

First recorded respiratory rate measured at the scene of injury (expressed as a number per minute).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.14	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

minValue

0

maxValue

120

Validation Rule Trigger(s)

Rule 194: The initial EMS respiratory rate must be reported.

Rule 195: The EMS respiratory rate is out of range.

Rule 196: The EMS respiratory rate cannot contain alpha characters.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care.

Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

Prehospital_12 – Initial Field Pulse Oximetry

Definition

First recorded oxygen saturation measured at the scene of injury (expressed as a percentage).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.12	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Date Type**

Integer

minValue

0

maxValue

100

Validation Rule Trigger(s)

Rule 1: When Initial Field Pulse Oximetry is [blank]

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

Prehospital_13 – Initial Field Glasgow Coma Score - Eye**Definition**

First recorded Glasgow Coma Score (Eye) measured at the scene of injury.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.19	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7792001	No Eye Movement When Assessed (All Age Groups)
7792000	Opens Eyes To Painful Stimulation (All Age Groups)
7792003	Opens Eyes To Verbal Stimulation (All Age Groups)
7792002	Opens Eyes Spontaneously (All Age Groups)

Validation Rule Trigger(s)

Rule 197: Initial Field GCS - Eye Missing **Rule 2:** When the GCS - Eye is [blank] or a not value **AND** Prehospital_07/Transport Method to Hospital is Ground-Ambulance or Medevac/HEMS

Rule 198: The GCS - Eye score is not a valid response.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

Prehospital_14 – Initial Field Glasgow Coma Score - Verbal**Definition**

First recorded Glasgow Coma Score (Verbal) measured at the scene of injury.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.20	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-1 – Not Known/Not Recorded

Code List

Code List	Description
7794004	No Verbal/Vocal Response (All Age Groups)
7794000	Incomprehensible Sounds (>2 Years); Inconsolable, Agitated
7794001	Inappropriate Words (>2 Years); Inconsistently Consolable, Moaning
7794002	Confused (>2 Years); Cries But Is Consolable, Inappropriate Interactions
7794003	Oriented (>2 Years); Smiles, Oriented To Sounds, Follows Objects, Interacts

Validation Rule Trigger(s)

Rule 199: The Initial Field GCS Verbal score is missing.

Rule 200: The Initial Field GCS - Verbal is not valid.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

Prehospital_15 – Initial Field Glasgow Coma Score - Motor**Definition**

First recorded Glasgow Coma Score (Motor) measured at the scene of injury.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.21	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7796005	No Motor Response (All Age Groups)
7796000	Extension To Pain (All Age Groups)
7796001	Flexion To Pain (All Age Groups)
7796002	Withdrawal From Pain (All Age Groups)
7796003	Localizing Pain (All Age Groups)
7796004	Obeys Commands (>2Years); Appropriate Response To Stimulation

Validation Rule Trigger(s)

Rule 201: The Initial Field GCS - Motor is missing. **Rule 2:** When the GCS - Motor is [blank] or a not value **AND** Prehospital_07/Transport Method to Hospital is Ground-Ambulance or Medevac/HEMS.

Rule 202: The GCS - Motor score is not a valid response.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

Prehospital_16 – Initial Field Total Glasgow Coma Score

Definition

First recorded Glasgow Coma Score (total) measured at the scene of injury.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.23	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Data Type

Integer

minValue

3

maxValue

15

Validation Rule Trigger(s)

Rule 80: A Prehospital GCS Total is required

Rule 203: The GCS - Total score is missing.

Rule 204: The GCS - Total score is not a valid response.

Rule 205: The GCS - Total score must be numeric.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

Can be documented or calculated from eVitals.19 (GCS-Eye), eVitals.20 (GCS-Verbal), and eVitals.21 (GCS-Motor).

National

State

Prehospital_17 – Interfacility Transfer**Definition**

Was the patient transferred to your facility from another acute care facility (i.e. hospital or Free Standing ED)?

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
9590001	Yes
9590000	No

Validation Rule Trigger(s)

Rule 208: Whether the patient was transferred from another hospital or not must have a valid answer.

Rule 209: A valid response must be provided (Yes or No).

Purpose of Collection/Associated Performance Measures

Assists with trauma system and trauma triage monitoring and assessment. Allows data to be evaluated based on presence of an inter-facility transfer.

Data Element Comment

- Patients transferred from a private doctor's office, stand-alone ambulatory surgery center, or delivered to your hospital by a non-EMS transport is not considered an inter-facility transfer.
- Outlying facilities purporting to provide emergency care services or utilized to stabilize a patient are considered acute care facilities.

State

Prehospital_18 – Name of Hospital Transferred From Code

Definition

The name of the hospital the patient was transferred from (reported as a Code).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eDisposition.02	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
Hospital Code	1	99999

Validation Rule Trigger(s)

Rule 1: When the Name of the Hospital Transferred From Code is [blank] or a not value **AND** Prehospital_17/Interfacility Transfer is Yes.

Rule 2: When the Name of the Hospital Transferred From Code is an invalid code.

Purpose of Collection/Associated Performance Measures

Utilized to monitor trauma triage and trauma system performance. Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

State

Prehospital_19 – Name of EMS Agency Received From Code

Definition

The name of the EMS agency that transported the patient to your hospital (reported as a Code).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eResponse.01	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
EMS Agency Code	1	2000

Validation Rule Trigger(s)

Rule 20: The name of the EMS agency the patient was received from is required.

Purpose of Collection/Associated Performance Measures

Utilized to monitor trauma triage and trauma system performance. Assist with linkage of data from different databases. Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

ED/Hospital_01 – ED/Hospital Arrival Date

Definition

The date the patient arrived to the ED/hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Relevant value for data element

Data Type
date

minValue
1990-01-01

maxValue
2030-01-01

Validation Rule Trigger(s)

Rule 28: The ED/hospital arrival date is missing.

Rule 144: The ED/Hospital arrival date is after ED discharge date.

Rule 145: The ED/Hospital arrival date is the same as ED discharge date.

Rule 146: The ED/Hospital arrival date is after hospital discharge date.

Rule 147: The ED/Hospital arrival date is after hospital discharge date.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon total length of hospital stay.

Data Element Comment

- If the patient was brought to the ED, enter date patient arrived at ED. If patient was directly admitted to the hospital, enter date patient was admitted to the hospital.
- Collected as YYYY-MM-DD.
- Used to auto-generate two additional calculated fields: Total EMS Time: (elapsed time from EMS dispatch to hospital arrival) and Total Length of Hospital Stay (elapsed time from ED/Hospital Arrival to ED/Hospital Discharge).

National

State

ED/Hospital_02 – ED/Hospital Arrival Time

Definition

The time the patient arrived to the ED/hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not value

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Time

minValue

00:00

maxValue

23:59

Validation Rule Trigger(s)

Rule 29: The ED/Hospital arrival time is missing.

Rule 148: The ED/Hospital arrival time is after ED discharge time.

Rule 149: The ED/Hospital arrival time is the same as ED discharge time.

Rule 150: The ED/Hospital arrival time is after hospital discharge time.

Rule 151: The ED/Hospital arrival time is the same as hospital discharge time.

Purpose of Collection/Associated Performance Measures

Important to identify when the injury event started to better analyze resource utilization and outcomes.

Data Element Comment

National

State

ED/Hospital_03 – Initial ED/Hospital SBP (Systolic Blood Pressure)

Definition

First recorded systolic blood pressure in the ED/hospital, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

minValue

0

MaxValue

300

Validation Rule Trigger(s)

Rule 60: The Initial ED / hospital systolic B/P is missing.

Rule 152: The initial ED / hospital systolic B/P must be between 0 and 300.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

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

National

State

ED/Hospital_04 – Initial ED/Hospital Heart Rate

Definition

First recorded pulse in the ED/hospital (palpated or auscultated), expressed as a number per minute , within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Data Type

Integer

minValue

0

maxValue

299

Validation Rule Trigger(s)

Rule 62: The initial ED / hospital heart rate is missing.

Rule 153: The initial ED / hospital heart rate must be between 0-299.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

ED/Hospital_05 – Initial ED/Hospital Temperature**Definition**

First recorded temperature (in degrees Celsius [centigrade]) in the ED/hospital, within 30 minutes of less or ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values**Data Type**

Integer

minValue

0.0

maxValue

45.0

Validation Rule Trigger(s)

Rule 42: The initial ED / hospital temperature is missing.

Rule 154: The initial ED / hospital temperature cannot include alpha characters.

Rule 155: The initial ED / hospital temperature is out of range.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

ED/Hospital_06 – Initial ED/Hospital Respiratory Rate

Definition

First recorded respiratory rate in the ED/hospital (expressed as a number per minute), within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

minValue

0

maxValue

120

Validation Rule Trigger(s)

Rule 61: The initial ED / hospital respiratory rate is missing.

Rule 156: The initial ED / hospital respiratory rate cannot contain an alpha character.

Rule 157: The initial ED / Hospital respiratory rate is out of range.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care.

Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

- If available, complete additional field: “Initial ED/Hospital Respiratory Assistance.”
- Used to auto-generate an additional calculated field: Revised Trauma Score - ED (adult & pediatric).

National

State

ED/Hospital_07 – Initial ED/Hospital Respiratory Assistance**Definition**

Determination of respiratory assistance associated with the initial ED/hospital respiratory rate, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7499000	Unassisted Respiratory Rate
7499001	Assisted Respiratory Rate

Validation Rule Trigger(s)

Rule 1: When Initial ED/Hospital Respiratory Assistance is [blank] or a not value.

Data Element Comment

- Only completed if a value is provided for “Initial ED/Hospital Respiratory Rate.”
- Respiratory Assistance is defined as mechanical and/or external support of respiration.

National

State

ED/Hospital_08 – Initial ED/Hospital Pulse Oximetry

Definition

First recorded oxygen saturation in the ED/hospital (expressed as a percentage), within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Date Type**

Integer

minValue

0

maxValue

100

Validation Rule Trigger(s)

Rule 1: When Initial ED/Hospital Pulse Oximetry is [blank] or a not value.

Rule 2: When the Pulse Oximetry is out of acceptable range (0 – 100).

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

National

State

ED/Hospital_09 – Initial ED/Hospital Supplemental Oxygen**Definition**

Determination of the presence of supplemental oxygen during assessment of initial ED/hospital oxygen saturation level , within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7815000	No Supplemental Oxygen
7815001	Supplemental Oxygen

Validation Rule Trigger(s)

Rule 46: Whether supplemental oxygen was initially given is required.

Rule 158: A valid response is required whether oxygen was initially given.

Data Element Comment

- Only completed if a value is provided for “Initial ED/Hospital Oxygen Saturation.”

National

State

ED/Hospital_10 – Initial ED/Hospital Glasgow Coma Score - Eye**Definition**

First recorded Glasgow Coma Score (Eye) in the ED/hospital, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eVitals.19	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7207005	No Eye Movement When Assessed (All Age Groups)
7207004	Opens Eyes To Painful Stimulation (All Age Groups)
7207007	Opens Eyes To Verbal Stimulation (All Age Groups)
7207002	Opens Eyes Spontaneously (All Age Groups)

Validation Rule Trigger(s)

Rule 65: An initial ED / hospital GCS Eye is missing.

Rule 161: The initial ED / hospital GCS eye score cannot be a not value.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

- Used to calculate Overall GCS - ED Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. chart indicates: "patient withdraws from a painful stimulus", a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.

National

State

ED/Hospital_11 – Initial ED/Hospital Glasgow Coma Score - Verbal**Definition**

First recorded Glasgow Coma Score (Verbal) in the ED/hospital, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7491004	No Verbal/Vocal Response (All Age Groups)
7491000	Incomprehensible Sounds (>2 Years); Inconsolable, Agitated
7491001	Inappropriate Words (>2 Years); Inconsistently Consolable, Moaning
7491002	Confused (>2 Years); Cries But Is Consolable, Inappropriate Interactions
7491003	Oriented (>2 Years); Smiles, Oriented To Sounds, Follows Objects, Interacts

Validation Rule Trigger(s)

Rule 64: An initial ED / hospital GCS verbal is missing.

Rule 163: The initial ED / hospital GCS verbal cannot be a not value.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

- Used to calculate Overall GCS - ED Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. chart indicates: "patient withdraws from a painful stimulus", a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.

National

State

ED/Hospital_12 – Initial ED/Hospital Glasgow Coma Score - Motor**Definition**

First recorded Glasgow Coma Score (Motor) in the ED/hospital, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7496005	No Motor Response (All Age Groups)
7496000	Extension To Pain (All Age Groups)
7496001	Flexion To Pain (All Age Groups)
7496002	Withdrawal From Pain (All Age Groups)
7496003	Localizing Pain (All Age Groups)
7496004	Obeys Commands (>2Years); Appropriate Response To Stimulation

Validation Rule Trigger(s)

Rule 63: An initial ED / hospital GCS motor score is required.

Rule 162: The initial ED / hospital GCS motor score cannot be a not value.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

- Used to calculate Overall GCS – ED Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. chart indicates: "patient withdraws from a painful stimulus", a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.

National

State

ED/Hospital_13 – Initial ED/Hospital Total Glasgow Coma Score

Definition

First recorded Glasgow Coma Score (total) in the ED/hospital, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
Integer	3	15

Validation Rule Trigger(s)

Rule 66: An initial ED / hospital GCS total score is required.

Rule 159: The initial ED / hospital GCS total score is out of range.

Rule 160: The initial ED / hospital GCS total score cannot have an alpha character.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

- Utilize only if total score is available without component scores.
- Used to auto-generate an additional calculated field: Revised Trauma Score - ED (adult & pediatric.)
- If a patient does not have a numeric GCS recorded, but with documentation related to their level of consciousness such as "AAOx3", "awake alert and oriented", or "patient with normal mental status", interpret this as GCS of 15 IF there is no other contraindicating documentation.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. chart indicates: "patient withdraws from a painful stimulus", a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.

National

State

ED/Hospital_14 – Initial ED/Hospital Glasgow Coma Score - Qualifier**Definition**

Documentation of factors potentially affecting the first assessment of GCS upon arrival in the ED/hospital, within 30 minutes or less of ED/hospital arrival.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	Yes
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7214000	Patient Chemically Sedated
7214001	Obstruction To The Patient's Eye
7214002	Patient Intubated
7214005	Valid GCS: Patient Was Not Sedated, Not Intubated And Did Not Have Obstruction To The Eye.

Validation Rule Trigger(s)

Rule 164: An initial ED / hospital GCS qualifier is required.

Rule 165: The initial ED / hospital GCS qualifier cannot be a not value.

Purpose of Collection/Associated Performance Measures

Provides documentation of assessment and care. Used in quality management for the evaluation of care and EMS Agency Performance.

Data Element Comment

- Identifies treatments given to the patient that may affect the first assessment of GCS. This field does not apply to self-medications the patient may administer (i.e., ETOH, prescriptions, etc.).
- If patient was not chemically sedated, intubated, and did not have eye obstruction then code as Not Applicable.

National

State

ED/Hospital_17 – Alcohol Use Indicator

Definition

Use of alcohol by the patient.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eHistory_17	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7240002	No (Not Tested)
7240003	No (Confirmed By Test)
7240000	Yes (Confirmed By Test [Trace Levels])
7240001	Yes (Confirmed By Test [Beyond Legal Limit])

Validation Rule Trigger(s)

Rule 48: An alcohol use indicator is required for patients greater than 14 years old.**Rule166:** The alcohol indicator cannot be a not value for patients greater than 14 years old.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon alcohol indicators.

Data Element Comment

- Blood alcohol concentration (BAC) may be documented at any facility (or setting) treating this patient event.
- “Trace levels” is defined as any alcohol level below the legal limit, but not zero.
- “Beyond legal limit” is defined as a blood alcohol concentration above the legal limit for the state in which the treating institution is located. Above any legal limit, DUI, DWI or DWAI, would apply here.
- If alcohol use is suspected, but not confirmed by test, record null value “Not Known/Not Recorded”.

National

State

ED/Hospital_18 – Drug Use Indicator**Definition**

Use of drugs by the patient.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	eHistory_17	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7239005	No (Not Tested)
7239003	No (Confirmed By Test)
7239000	Yes (Confirmed By Test [Prescription Drug])
7239001	Yes (Confirmed By Test [Illegal Use Drug])

Validation Rule Trigger(s)**Rule 50:** The drug use indicator is required when the patient is greater than 14 years old.**Rule 167:** The drug use indicator cannot be a not value when the patient is greater than 14 years old.**Purpose of Collection/Associated Performance Measures**

Allows data to be sorted based upon drug use indicators.

Data Element Comment

- Drug use may be documented at any facility (or setting) treating this patient event.
- “Illegal use drug” includes illegal use of prescription drugs.
- If drug use is suspected, but not confirmed by test, record null value “Not Known/Not Recorded”.
- This data element refers to drug use by the patient and does not include medical treatment.

National

State

ED/Hospital_19 – ED Disposition**Definition**

The disposition of the patient from the ED.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
7192000	Floor Bed (General Admission, Non-Specialty Unit Bed)
7192001	Observation Unit (Unit That Provides < 24 Hour Stays)
7192002	Telemetry/Step-Down Unit (Less Acuity Than ICU)
7192003	Home With Services
7192004	Died
7192005	Other (Jail, Institutional Care, Mental Health, Etc.)
7192006	Operating Room
7192007	Intensive Care Unit (Icu)
7192008	Home Without Services
7192009	Left Against Medical Advice
7192010	Transferred To Another Hospital

Validation Rule Trigger(s)

Rule 40: An ED Disposition is required.

Rule 206: The ED disposition cannot be a not value.

Purpose of Collection/Associated Performance Measures

Can be used to roughly characterize functional status at hospital discharge.

Data Element Comment

- Based upon UB-04 disposition coding.
- If reported as “Died” complete variable “ED Death.”
- If the patient is directly admitted to the hospital, code as N/A.
- If ED Discharge Disposition is 4, 5, 6, 9, 10,11, then Hospital Discharge Date, Time, and Disposition should be NA.

National

State

ED/Hospital_20 – Signs of Life

Definition

Indication of whether the patient arrived at the ED/hospital with signs of life.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
1	Arrived At ED/Hospital With NO Signs Of Life
2	Arrived At ED/Hospital With Signs Of Life

Validation Rule Trigger(s)

Rule 1: When ED Death is [blank] or a not value **AND** ED Disposition equals Died.

Purpose of Collection/Associated Performance Measures

Can be used to roughly characterize the condition of the patient upon arrival at the ED.

Data Element Comment

- Only completed when ED Discharge Disposition is completed as “Died”
- Patients treated in accordance with a “Do Not Resuscitate” (DNR) order should be coded under “Died in ED (other than failed resuscitation attempt)”. Patients with a DNR status should also be coded with a co-morbid condition (see DG_01)

National

State

ED/Hospital_21 – ED Disposition Date

Definition

The date of patient's disposition from the ED.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Relevant value for data element

Data Type
date

minValue
1990-01-01

maxValue
2030-01-01

Validation Rule Trigger(s)

Rule 168: An ED disposition date is required.

Rule 169: The ED disposition date is out of range.

Purpose of Collection/Associated Performance Measures

Allows data to be assessed based upon total length of ED stay.

Data Element Comment

- Collected as YYYY-MM-DD.
- Used to auto-generate an additional calculated field: Total ED Time: (elapsed time from ED admit to ED discharge).
- If the patient is directly admitted to the hospital, code as N/A

National

State

ED/Hospital_22 – ED Disposition Time

Definition

The time the patient was discharged from the ED.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not value

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Time

minValue

00:00

maxValue

23:59

Validation Rule Trigger(s)

Rule 170: An ED disposition time is required.

Rule 2: Time sequences must be logical (EMS Dispatch Date/Time>EMS Unit Arrive Scene/Transferring Facility> Patient Arrived ED/Hospital Date/Time> ED Discharge Date/Time ≥ Hospital Discharge Date/Time.)

Rule 3: Time sequences must be logical (EMS Dispatch Date/Time> EMS Unit Arrive Scene/Transferring Facility> Patient Arrived ED/Hospital Date/Time> Hospital Procedure Date/Time.)

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon total length of ED stay.

Data Element Comment

- Collected as HH:MM.
- HH:MM should be collected as military time.
- Used to auto-generate an additional calculated field: Total ED Time: (elapsed time from ED admit to ED discharge).
- If the patient is directly admitted to the hospital, code as N/A

National

State

Procedures_01 – Hospital Procedures**Definition**

Operative and essential procedures conducted during hospital stay. Operative and essential procedures are those that were essential to the diagnosis, stabilization, or treatment of the patient's specific injuries or complications.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values**Relevant value for data element****Data Type**

Integer

Valid ICD-9-CM IP/ICD-10 codes (maximum number of procedures 200).
Patient admitted on or after 10/1/2014 shall be reported using ICD-10.

Validation Rule Trigger(s)

Rule 1: When Hospital Procedures is [blank] or Not Known/Not Recorded.

Purpose of Collection/Associated Performance Measures

Allows injuries to be characterized by the place/site/location of the injury.

Data Element Comment

- Operative and/or essential procedures is defined as procedures performed in the Operating Room, Emergency Department, or Intensive Care Unit that were essential to the diagnoses, stabilization, or treatment of the patient's specific injuries.
- Repeated diagnostic procedures (e.g., repeated CT scan) should not be recorded (record only the first procedure).
- Include only procedures performed at your institution.

National

State

Procedures_02 – Hospital Procedure Start Date

Definition

The date operative and essential procedures were performed.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Relevant value for data element

Data Type
date

minValue
1990-01-01

maxValue
2030-01-01

Validation Rule Trigger(s)

Rule 1: When Hospital Procedures Start Date is [blank] or Not Known/Not Recorded. **AND** Procedures_01/Hospital Procedures indicates a procedure was performed.

Rule 2: Time sequences must be logical (EMS Dispatch Date/Time > EMS Unit Arrive Scene/Transferring Facility > Patient Arrived ED/Hospital Date/Time > Hospital Procedure Date/Time.)

Purpose of Collection/Associated Performance Measures

Allows data to be stratified by time until operative and essential procedures were performed.

Data Element Comment

- Collected as YYYY-MM-DD.

National

State

Procedure_03 – Hospital Procedure Start Time

Definition

The time operative and essential procedures were performed.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not value

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element

Data Type
Time

minValue
00:00

maxValue
23:59

Validation Rule Trigger(s)

Rule 1: When Hospital Procedures Start Time is [blank] or Not Known/Not Recorded. **AND** Procedures_01/Hospital Procedures indicates a procedure was performed.

Rule 2: Time sequences must be logical (EMS Dispatch Date/Time > EMS Unit Arrive Scene/Transferring Facility > Patient Arrived ED/Hospital Date/Time > Hospital Procedure Date/Time.)

Purpose of Collection/Associated Performance Measures

Allows data to be stratified by time until operative and essential procedures were performed.

Data Element Comment

- Collected as HH:MM.
- HH:MM should be collected as military time.
- Procedure start time is defined as the time the incision was made (or the procedure started).

State

Organ_01 – Organs Donated

Definition

C

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes

Not Values

-25 – Not Applicable

CODE CHANGES PENDING

-10 – Not Known/Not Recorded

Code List

Code List	Description
1	Heart
2	Kidney
3	Liver
4	Cornea
5	Pancreas
6	Skin
7	Bone
8	Lung
9	Other
10	Refused
11	Donated but specific donation not known
12	Ineligible to Donate

Validation Rule Trigger(s)

Rule 1: When Organs Donated is [blank]**Rule 2:** When Organs Donated is [blank] or a not value **AND** Outcome_05/Hospital Discharge Disposition is Expired.

Purpose of Collection/Associated Performance Measures

Allows data to be evaluated based on organ donation.

Data Element Comment

National

State

Diagnosis_01 - Co-Morbid Conditions**Definition**

Pre-existing co-morbid factors present before patient arrival at the ED/hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eHistory.08	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : M

Attributes**Not Values****CODE CHANGES PENDING**

1 – Not Applicable

2 – Not Known/Not Recorded

Code List

Code List	Description
1	Other
2	Alcoholism
3	Ascites Within 30 Days
4	Bleeding Disorder
5	Currently Receiving Chemotherapy For Cancer
6	Congenital Anomalies
7	Congestive Heart Failure
8	Current Smoker
9	Chronic Renal Failure
10	CVA/Residual Neurological Deficit
11	Diabetes Mellitus
12	Disseminated Cancer
13	DDNR Or Advance Directive Limiting Care
14	Esophageal Varices
15	Functionally Dependent Health Status
16	History Of Angina Within 30 Days
17	History Of Myocardial Infarction
18	History Of PVD
19	Hypertension Requiring Medication
21	Prematurity
22	Obesity
23	Respiratory Disease
24	Steroid Use
25	Cirrhosis
26	Dementia
27	Major Psychiatric Illness
28	Drug Abuse Or Dependence
29	Prehospital Cardiac Arrest With Resuscitative Efforts By Healthcare Provider

Validation Rule Trigger(s)

Rule 1: When Co-Morbid Conditions is [blank] or a not value.

Rule 2: Cannot have a common not value **AND** any other value at the same time.

Rule 3: Cannot have a No NTDB Co-morbidities **AND** any other value at the same time.

Purpose of Collection/Associated Performance Measures

Allows data to be used to characterize patients and hospital outcomes based upon the presence (and type) of co-morbid condition..

Data Element Comment

- The field value (1) “No NTDS co-morbidities are present” would be chosen if none of the pre-existing co-morbid factors listed above are present in the patient. This particular field value is available since individual state or hospital registries may track additional co-morbid factors not listed here.
- The value "N/A" should be used for patients with no known co-morbid conditions coded by your registry or defined in the NTDS Data Dictionary."

National

State

Diagnosis_02 – Injury Diagnosis

Definition

Diagnoses related to all identified injuries.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-20	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : M

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

Valid ICD-9-CM/ICD-10 code value for all identified injuries (max. 50 entries). Patients admitted on or after 10/1/2014 shall be reported using ICD-10.

Validation Rule Trigger(s)

Rule 51: An injury diagnosis is required.

Rule 73: There must be at least one valid Diagnosis

Purpose of Collection/Associated Performance Measures

Allows data to be used to characterize patients and hospital outcomes based upon the presence, severity and type of injury.

Data Element Comment

- Injury diagnoses as defined by (ICD-9-CM) codes (code range: 348.1, 800-959.9).
- The maximum number of diagnoses that may be reported for an individual patient is 50.
- ICD-9-CM codes pertaining to other medical conditions (e.g., CVA, MI, co-morbidities, etc.) may also be included in this field
- Used to auto-generate eight additional calculated fields: Abbreviated Injury Scale (six body regions), Injury Severity Score and the Functional Capacity Index.

State

Severity_01 – AIS Code

Definition

The Abbreviated Injury Scale (AIS) predot codes that reflect the patient's injuries.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : M

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Integer

predot code is the 6 digits preceding the decimal point in an associated AIS code. (max. 50 entries).

Validation Rule Trigger(s)

Rule 72: An AIS Code for diagnosis is required.

Purpose of Collection/Associated Performance Measures

Allows data to be used to characterize patients and hospital outcomes based upon the presence, severity, and type of injury.

Data Element Comment

State

Severity_02 – AIS Severity**Definition**

The Abbreviated Injury Scale (AIS) severity codes that reflect the patient's injuries.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : M

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
1	Minor Injury
2	Moderate Injury
3	Serious Injury
4	Severe Injury
5	Critical Injury
6	Maximum Injury, Virtually Unsurvivable
9	Not Possible to Assign

Validation Rule Trigger(s)**Rule 1:****Purpose of Collection/Associated Performance Measures**

Allows data to be used to characterize patients and hospital outcomes based upon the presence, severity and type of injury.

Data Element Comment

The field value (9) "Not Possible to Assign" would be chosen if it is not possible to assign a severity to an injury.

State

Severity_03 – ISS Score**Definition**

The Injury Severity Score (ISS) body region codes that reflect the patient's injuries.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : M

Attributes**Not Values**

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Code List	Description
1	Head Or Neck
2	Face
3	Chest
4	Abdominal Or Pelvic Contents
5	Extremities Or Pelvic Girdle
6	External

Validation Rule Trigger(s)

Rule 81: An ISS score is required.

Purpose of Collection/Associated Performance Measures

Allows data to be used to characterize patients and hospital outcomes based upon the presence, severity and type of injury.

Data Element Comment

- Head or neck injuries include injury to the brain or cervical spine, skull or cervical spine fractures.
- Facial injuries include those involving mouth, ears, nose and facial bones.
- Chest injuries include all lesions to internal organs. Chest injuries also include those to the diaphragm, rib cage, and thoracic spine.
- Abdominal or pelvic contents injuries include all lesions to internal organs. Lumbar spine lesions are included in the abdominal or pelvic region.
- Injuries to the extremities or to the pelvic or shoulder girdle include sprains, fractures, dislocations, and amputations, except for the spinal column, skull and rib cage.
- External injuries include lacerations, contusions, abrasions, and burns, independent of their location on the body surface.

State

Severity_04 – AIS Version**Definition**

The software (and version) used to calculate Abbreviated Injury Scale (AIS) severity codes.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes**Not Values**

1 – Not Applicable

2 – Not Known/Not Recorded

Code List

Code List	Description
1	80 Full code (description & severity, XXXXXX.Y)
2	85 Full code (description & severity, XXXXXX.Y)
3	90 Full code (description & severity, XXXXXX.Y)
4	95 Full code (description & severity, XXXXXX.Y)
5	98 Full code (description & severity, XXXXXX.Y)
6	05 Full code (description & severity, XXXXXX.Y)
7	ICD Map
8	Tri-Code
9	AIS80 only (Severity only, .Y)
10	AIS85 only (Severity only, .Y)
11	AIS90 only (Severity only, .Y)
12	AIS95 only (Severity only, .Y)
13	AIS98 only (Severity only, .Y)
14	AIS05 only (Severity only, .Y)
15	Other

Validation Rule Trigger(s)**Rule 1:****Purpose of Collection/Associated Performance Measures**

Allows data to be used to characterize patients and hospital outcomes based upon the presence, severity and type of injury.

Data Element Comment

State

Severity_05 – Locally Calculated ISS

Definition

The Injury Severity Score (ISS) that reflects the patient's injuries.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Date Type**

Integer

minValue

0

maxValue

75

Validation Rule Trigger(s)

Rule 1:

Purpose of Collection/Associated Performance Measures

Allows data to be used to characterize patients and hospital outcomes based upon the presence, severity and type of injury.

Data Element Comment

National

State

Outcome_01 – Total ICU Length of Stay

Definition

The total number of patient days in any ICU (including all episodes).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Date Type**

Integer

minValue

0

maxValue

400

Validation Rule Trigger(s)

Rule 71: The total number of days patient was in an ICU is required.

Rule 171: When the ED disposition is admit ICU, the ICU LOS must be greater than 1.

Purpose of Collection/Associated Performance Measures

Provides a rough estimate of severity of injury and resource utilization.

Data Element Comment

- Recorded in full day increments with any partial day listed as a full day.
- Field allows for multiple admission and discharge dates and autofills with total ICU LOS. If a patient is admitted and discharged on the same date, the LOS is one day.

National

State

Outcome_02 – Total Ventilator Days

Definition

The total number of patient days spent on a mechanical ventilator (excluding time in the OR).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Date Type**

Integer

minValue

0

maxValue

400

Validation Rule Trigger(s)

Rule 1: When Total Ventilator Days is [blank] or Not Known/Not Recorded

Rule 2: When the Total Ventilator Days is 0 (zero) or Not Applicable **AND** Procedure_01/Procedures indicate endotracheal intubation.

Purpose of Collection/Associated Performance Measures

Provides a rough estimate of severity of injury and resource utilization.

Data Element Comment

- Recorded in full day increments with any partial day listed as a full day.
- Field allows for multiple “start” and “stop” dates and calculates total days spent on a mechanical ventilator. If a patient begins and ends mechanical ventilation on the same date, the total ventilator days is one day.
- Excludes mechanical ventilation time associated with OR procedures.
- Non-invasive means of ventilatory support (CPAP or BIPAP) should not be considered in the calculation of ventilator days.

National

State

Outcome_03 – Hospital Discharge Date

Definition

The date the patient was discharged from the hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable -10 – Not Known/Not Recorded

Code List

Relevant value for data element

Data Type	minValue	maxValue
date	1990-01-01	2030-01-01

Validation Rule Trigger(s)

Rule 69: The hospital discharge date is required.

Purpose of Collection/Associated Performance Measures

Use to determine length of stay.

Data Element Comment

- Collected as HH:MM.
- HH:MM should be collected as military time.
- Used to auto-generate an additional calculated field: Total Length of Hospital Stay (elapsed time from ED/hospital arrival to hospital discharge).

National

State

Outcome_04 – Hospital Discharge Time

Definition

The time the patient was discharged from the hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not value

-25 – Not Applicable -10 – Not Known/Not Recorded

Field Values

Relevant value for data element**Data Type**

Time

minValue

00:00

maxValue

23:59

Validation Rule Trigger(s)

Rule 70: The hospital discharge time is required.

Purpose of Collection/Associated Performance Measures

Allows the length of stay to be calculated.

Data Element Comment

- Collected as HH:MM.
- HH:MM should be collected as military time.
- Used to auto-generate an additional calculated field: Total Length of Hospital Stay (elapsed time from ED/hospital arrival to hospital discharge).

National

State

Outcome_05 – Hospital Discharge Disposition**Definition**

The disposition of the patient when discharged from the hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes**Not Values**

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7434000	Discharged/Transferred To A Short-Term General Hospital For Inpatient Care
7434001	Discharged/Transferred To An Intermediate Care Facility (ICF)
7434002	Discharge/Transferred To Home Under Care Of Organized Home Health Service
7434003	Left Against Medical Advice Or Discontinued Care
7434004	Expired
7434005	Discharged Home With No Home Services
7434006	Discharged/Transferred To Skilled Nursing Facility
7434007	Discharged/ Transferred To Hospice Care
7434008	Discharged/Transferred To Another Type Of Rehabilitation Or Long-Term Care Facility

Validation Rule Trigger(s)

Rule 172: A hospital discharge disposition is required.

Rule 173: The hospital discharge disposition cannot be a not value.

Purpose of Collection/Associated Performance Measures

Can be used to roughly characterize functional status at hospital discharge.

Data Element Comment

- Field value = 6, “home” refers to the patient’s current place of residence (e.g., prison, etc)
- Field values based upon UB-04 disposition coding.
- Disposition to any other non-medical facility should be coded as 6.
- Disposition to any other medical facility should be coded as 9.
- Refer to the glossary for definitions of facility types.

State

Outcome_06 – Name of Hospital Transferred To Code

Definition

The name of the hospital the patient was transferred to (reported as a Code).

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-5	Not Values	Yes
VAv3 Element	eDisposition.02	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Field Values

Data Type	minValue	maxValue
Hospital Code	1	99999

Validation Rule Trigger(s)

Rule 67: Hospital Transferred To is required.

Purpose of Collection/Associated Performance Measures

Utilized to monitor trauma triage and trauma system performance.

Data Element Comment

National

State

Financial_01 – Primary Method of Payment

Definition

Primary source of payment for hospital care.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	All	Recurrence	1 : 1

Attributes

Not Values

-25 – Not Applicable

-10 – Not Known/Not Recorded

Code List

Code List	Description
7456002	Medicaid
7456000	Not Billed (for any reason)
7456008	Self Pay
7456003	Private/Commercial Insurance
7456009	No Fault Automobile
7456001	Medicare
7456006	Other Government
7456005	Workers Compensation
7456007	Blue Cross/Blue Shield
7456022	Other

Validation Rule Trigger(s)

Rule 74: The primary payment source for the patient cannot be a not value.**Rule 174:** The primary payment source for the patient is required.

Purpose of Collection/Associated Performance Measures

Allows data to be sorted based upon payer mix..

Data Element Comment

National

State

Quality_01 – Hospital Complications**Definition**

Any medical complication that occurred during the patient's stay at your hospital.

Validation Rule in Place	Yes	Usage/Required in XSD	Mandatory
Validation Rule Score	-10	Not Values	Yes
VAv3 Element	n/a	Is Nillable	No
Who Must Report (Hospitals/TCs)	TC's Only	Recurrence	1 : M

Attributes**Not Values****CODE CHANGES PENDING**

1 – Not Applicable

2 – Not Known/Not Recorded

Code List

Code List	Description
1	Other
4	Acute Kidney Injury
5	Acute Lung Injury/Acute Respiratory Distress Syndrome (ARDS)
8	Cardiac Arrest With Resuscitative Efforts By Healthcare Provider
11	Decubitus Ulcer
12	Deep Surgical Site Infection
13	Drug Or Alcohol Withdrawal Syndrome
14	Deep Vein Thrombosis (DVT) / Thrombophlebitis
15	Extremity Compartment Syndrome
16	Graft/Prosthesis/Flap Failure
18	Myocardial Infarction
19	Organ/Space Surgical Site Infection
20	Pneumonia
21	Pulmonary Embolism
22	Stroke / CVA
23	Superficial Surgical Site Infection
25	Unplanned Intubation
27	Urinary Tract Infection
28	Catheter-Related Blood Stream Infection
29	Osteomyelitis
30	Unplanned Return To The OR
31	Unplanned Return To The ICU
32	Severe Sepsis

Validation Rule Trigger(s)

Rule 1: When Hospital Complications is [blank] or a not value.

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

Rule 3: Cannot have No NTDS Complications and any other value.

Purpose of Collection/Associated Performance Measures

Allows data to be used to characterize patients and hospital outcomes based upon the presence (and type) of hospital complication.

Data Element Comment

- The field value (1) “No NTDS listed medical complications occurred” would be chosen if none of the hospital complications listed above are present in the patient. This particular field value is available since individual state or hospital registries may track additional hospital complications not listed here.
- The value "N/A" should be used for patients with no known co-morbid conditions coded by your registry or defined in the NTDS Data Dictionary."

TERMS

When eDisposition.12 is 4212029/Patient Treated and Transported by EMS (By this unit.)

Version Change Log

3.1.0 – 9/27/2013 – Released to public via support suite

- Data element containing code numbers were updated to use the codes within Patient Registry.
- Common Null Values update to -25 for Not Applicable and -10 Not Known/Not Recorded.
- Update reporting requirements diagram with ICD10 inclusions and exclusions.
- Updated the validation rules for each element as they are on this date. Additional validation work continues.

3.0.1 – 3/13/2013 – Added Demographic.16/Patient Street Address. Element should not have been excluded and is critical for the Department of Rehabilitative Services.

3.0.2 – 5/18/2013 – Updates related to the first round of public comments which can be found in a separate document.