AZ-PIERS
2016
Data Dictionary
Version 3.4

January 2016

Overview and Summary

The Arizona Prehospital Information & EMS Registry System (AZ-PIERS) version 3.4 has been updated with the guidance of the EMS Registry User's Group (EMSRUG). This version reflects the country's national standard of data collection set by the National EMS Information System (NEMSIS). The change will improve data quality, assist EMS agencies in assessing their performance, augment the flexibility of the standard for state adoption, and prepare for the initial movement of this standard into Health Level 7 (HL7) for approval as an American National Standards Institute (ANSI) standard. The current data dictionary is built on the NEMSIS Data Dictionary Version 3.4

The purpose of the AZ-PIERS data dictionary is to compile and detail the data elements along with their format and usage. The document is intended to guide agencies submitting data to AZ-PIERS in the standard accepted definitions, formats, and allowed values.
Dictionary available at: http://www.azdhs.gov/preparedness/emergency-medical-services-trauma-system/index.php#data-quality-assurance-az-piers

DEM Required: only updated as needed and not entered in each ePCR

EMS Required: dependent of situation as this includes any trigger required elements that may apply.
(Ex: Cardiac elements only 'required' when a Cardiac arrest is indicated.)

Optional: not required by state but useful and highly encouraged

NEMSIS Export: elements uploaded to NEMSIS

2 eHistory.17 - Alcohol/Drug Use Indicators

3 Definition

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

4	National Element	Yes	Pertinent Negatives (PN)	Yes	8
5	State Element	Yes	NOT Values	Yes	9
6	Version 2 Element	E12_19	Is Nillable	Yes	10
7	Usage	Required	Recurrence	1 : M	11

12 Associated Performance Measure Initiatives

Trauma

13 Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801015 - None Reported 8801019 – Refused 8801023 - Unable to Complete

CorrelationID

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

14 Code List

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

15 Data Element Comment

16 Version 3 Changes Implemented

Version 3 Changes implemented for this element

AZ-PIERS Version 3 Data Dictionary Content Key

Data Element Number (#1)

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

Data Element Name (#2)

- The name for the data element.

National and State Element Indicator (#4, #5)

- State = Yes, is an indication that the data element is required for AZ-PIERS (may be dependent on values given for other data elements).
  State = Optional, indicates an important data element but not required by AZ-PIERS
- National = Yes, is an indication that the data element is required to be collected & is submitted to NEMSIS (if consent has been given by agency).

Data Element Definition (#3)

- The definition for the data element.

Version 2 Number (#6)

- The NEMSIS Version 2.2.1 Data Element Number.
- If the Data Element is new to Version 3.2.6, the Version 2 Number will be blank.

Data Structure Information

- Recurrence (#11)
  - Indication that the data element can have more than one value.
    - Represented by two characters separated by a colon. The configuration includes:
      - 0:1 = element is not required and can occur only once
      - 0:M = element is not required and can repeat multiple times
      - 1:1 = element is required and can occur only once
      - 1:M = element is required and can repeat multiple times
- Usage (#7)
  - Indication of when the data element is expected to be collected.
    - Mandatory = Must be completed and does not allow for NOT values
    - Required = Must be completed and allows NOT values
    - Recommended = Does not need to be completed and allows NOT values
    - Optional = Does not need to be completed and does not allow for NOT values
- NOT Value Characteristics (#9)
  - Indication that the data element can have NOT values.
  - NOT Values are used (where permitted) to document that a data element was not applicable to the EMS response / request for service, was not or could not be

completed.
    - NOT Values are documented as "an attribute" of an element. It allows the documentation of NOT value when a "real" value is not documented. *(Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill.)*

- NOT Values Accepted **(#13)**
    - Indication of which of the following three NOT values is acceptable. Not all data elements accept NOT values. NOT Values have been condensed in Version 3.
        - Not Applicable = *The data element is not applicable or pertinent to the EMS event.*
        - Not Recorded = *If a data element was unintentionally left blank the EMS software should auto-populate it with "Not Recorded".*
        - Not Reporting = *The data element is not collected by the EMS agency or state. This NOT value does not apply to National elements where "Usage = Required".*

- Pertinent Negative Values (PN) **(#8, #13)**
    - A list of Pertinent Negative Values which can be associated with a data element.
    - <u>Not all data elements accept Pertinent Negative Values.</u>
    - Pertinent Negative Values are documented as "an attribute" of an element. It allows the documentation of pertinent negative value in addition to the documentation of a "real" value. *(Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill.)*
    - Example of use:
        - Example #1 - Aspirin Administration:
            - If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".
        - Example #2 - Gunshot Wound Entry & Exit Assessment
            - If the patient was injured by a gunshot the assessment should document not only the entry but the exit of the bullet. In the abdominal assessment if "Gunshot Wound-Entry" was documented in the Right Upper Quadrant the EMS professional should be looking for an exit wound. If upon assessment of the back/spine no "Gunshot Wound-Exit" was identified then both "Gunshot Wound-Exit" and the pertinent negative value of "Exam Finding Not Present" should be documented.
- Is Nillable **(#10)**
    - Indication that the element can accept a "blank" value.
    - If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

Associated Performance Measure Initiatives **(#12)**

- Indication that the data element has value in describing, defining, or measuring EMS from a performance perspective. Performance Measures can be associated with EMS service delivery, patient care, or both. The following service delivery or time dependent

illness/injury performance measure topics have been included in NEMSIS Version 3:

- Airway - Airway Management
- Cardiac Arrest - Out of Hospital Cardiac Arrest
- Pediatric - Acute Pediatric Care
- Response - EMS Response Time
- STEMI - ST Elevation Myocardial Infarction (STEMI)
- Stroke - Acute Stroke Care
- Trauma - Acute Injury/Trauma Care

Attributes (#13)

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

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

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

  - Nillable xsi:nil="true"

  - Code Type
    - 9924001 - ICD10
    - 9924003 – RxNorm
    - 9924001 - ICD10

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

  - DistanceUnit
    - 9921001 - Kilometers
    - 9921003 - Miles

  - EmailAddressType
    - 9904001 - Personal
    - 9904003 - Work

- nemsisCode
  - Date Type = String

- nemsisElement
  - Date Type = String

- nemsisValueDescription
  - Date Type = String

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

- ProcedureGroupCorrelationID
  - Date Type = CorrelationID

- StreetAddress2
  - Date Type =
  - String minLength
  - = 1 maxLength = 55

- TIMESTAMP
  - Date Type = DateTime
  - minValue = 1950-01-01T00:00:00-00:00
  - maxValue = 2050-01-01T00:00:00-00:00

- VelocityUnit
  - 9921001 - Kilometers
  - 9921003 - Miles

Code List (#14)

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

using these external standards.

Data Element Editorial Comments **(#15)**

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

Version 3 Changes Implemented **(#16)**

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

dState

dState.01-State Required Element

Definition

Indicates which elements are required by the state.

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

Attributes

TIMESTAMP

Data Type: String **minInclusive:** 1950-01-01T00:00:00-00:00 **maxInclusive:** 2050-01-01T00:00:00-00:00

Pattern

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

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

This element was created to document elements required by the state. The TIMESTAMP attribute describes the active date of the element.

dCustomConfiguration

dCustomConfiguration.01 - Custom Data Element Title

Definition

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

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

Attributes

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

Version 3 Changes Implemented

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

dCustomConfiguration.02 - Custom Definition

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	0	255

Data Element Comment

dCustomConfiguration.03 - Custom Data Type

Definition

The data type of the custom element.

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

Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other (Not Listed)
9902009	Text/String
9902011	Boolean

Data Element Comment

dCustomConfiguration.04 - Custom Data Element Recurrence

Definition

Indication if the data element will accept multiple values.

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

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Version 3 Changes Implemented

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

dCustomConfiguration.05 - Custom Data Element Usage

Definition

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

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

Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

Data Element Comment

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

Version 3 Changes Implemented

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

dCustomConfiguration.06 - Custom Data Element Potential Values

Definition

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

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

Attributes

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

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

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

Version 3 Changes Implemented

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

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

Definition

NOT Values (NV) associated with the custom element

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

Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

Data Element Comment

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

Definition

Pertinent Negative Values (PN) associated with the custom element

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

Code List

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

Data Element Comment

dAgency

dAgency.01 - EMS Agency Unique State ID

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

dAgency.02 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

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

dAgency.03 - EMS Agency Name

Definition

The formal name of the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

dAgency.04 - EMS Agency State

Definition

The state/territory which assigned the EMS agency number.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern
[0-9]{2}

Data Element Comment

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

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

dAgency.05 - EMS Agency Service Area States

Definition

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

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

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

Element added to document all of the states in which the EMS agency provides services. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state. GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_04	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Pattern
[0-9]{5}

Data Element Comment

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

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

dAgency.07 - EMS Agency Census Tracts

Definition

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

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

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Pattern
[0-9]{11}

Data Element Comment

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

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

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

Census Tract Data Website (files and descriptions): http://www.census.gov/geo/www/2010census/tract_rel/tract_rel.html

dAgency.08 - EMS Agency Service Area ZIP Codes

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

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

Data Element Comment

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

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

dAgency.09 - Primary Type of Service

Definition

The primary service type provided by the agency.

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_05	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

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

dAgency.11 - Level of Service

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_07	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

The Level of Service is associated with the specific EMS Agency Number (dAgency.02) for the EMS Agency. For example a BLS licensed ambulance service (EMT-Basic) with EMT-Intermediate or EMT-Paramedic on staff, the appropriate level of service is "EMT-Basic". This is because the care provided to patients is limited to BLS skills.

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

dAgency.12 - Organization Status

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_09	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
1016001	Mixed
1016003	Non-Volunteer
1016005	Volunteer

Data Element Comment

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

dAgency.13 - Organizational Type

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_08	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

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

dAgency.14 - EMS Agency Organizational Tax Status

Definition

The EMS Agencies business/corporate organizational tax status

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
1018001	For Profit
1018003	Other (e.g., Government)
1018005	Not For Profit

Data Element Comment

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

dAgency.15 - Statistical Calendar Year

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_10	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	1900	2050

Data Element Comment

Added Calendar Year to the definition to remove confusion noted in draft comments. Will allow multiple entry to allow data to be stored on several years. This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02) and elements dAgency.16 through dAgency.22

dAgency.16 - Total Primary Service Area Size

Definition

The total square miles in the agency's service area.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_12	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

dAgency.17 - Total Service Area Population

Definition

The total population in the agency's service area based if possible on year 2010 census data.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_13	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

dAgency.18 - 911 EMS Call Center Volume per Year

Definition

The number of 911 calls received by the call center during the last calendar year

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_14	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

Version 3 Changes Implemented

Name Clarified with "Call Center"

dAgency.19 - EMS Dispatch Volume per Year

Definition

The number of EMS dispatches during the last calendar year

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_15	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

dAgency.20 - EMS Patient Transport Volume per Year

Definition

The number of EMS transports per year based on last calendar year.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_16	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

dAgency.21 - EMS Patient Contact Volume per Year

Definition

The number of EMS patient contacts per year based on last calendar year.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_17	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

dAgency.25 - National Provider Identifier

Definition

The National Provider Identifier issued by CMS.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_21	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

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

Constraints

Data Type	length
string	10

Data Element Comment

Required only for billing agencies

Only EMS Agencies billing for service will have an NPI number. CMS (Centers for Medicare and Medicaid Services) NPI Registry lookup: https://npiregistry.cms.hhs.gov/NPPESRegistry/NPIRegistryHome.do

dAgency.26 - Fire Department ID Number

Definition

The state assigned Fire Department ID Number for EMS Agency(s) operating within a Fire Department.

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

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	20

Data Element Comment

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

Version 3 Changes Implemented

Added to better associate Fire and EMS operational identifiers.

dConfiguration

dConfiguration.01 - State Associated with the Certification/Licensure Levels

Definition

The state associated with the state certification/licensure levels.

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

Associated with the state (dAgency.01 - EMS Agency State).

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

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.02 - State Certification/ Licensure Levels

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
9911001	2009 Advanced Emergency Medical Technician (AEMT)
9911003	2009 Emergency Medical Responder (EMR)
9911005	2009 Emergency Medical Technician (EMT)
9911007	2009 Paramedic
9911009	EMT-Basic
9911011	EMT-Intermediate
9911013	EMT-Paramedic
9911015	First Responder
9911019	Other
9911021	Physician
9911023	Critical Care Paramedic
9911025	Community Paramedicine
9911027	Nurse Practitioner
9911029	Physician Assistant
9911031	Licensed Practical Nurse (LPN)
9911033	Registered Nurse

Data Element Comment

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

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.03 - Procedures Permitted by the State

Definition

A list of all of the procedures permitted by the EMS Agency's licensing state.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Data Type	maxInclusive	minInclusive
integer	1000000000	100000

Data Element Comment

This data element should capture all of the procedures permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01). This is related to the EMS Agency's procedures (dConfiguration.07) which have been implemented within the EMS System.

State EMS systems which have regulatory authority to determine the procedures statewide may identify SNOMEDCT procedure codes based on medical direction and their own need.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

The EMS agency should submit “Not Applicable” and “Nil” to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.04 - Medications Permitted by the State

Definition

A list of all of the medications permitted by the state to be used by each EMS state certification/licensure level.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

This data element should capture all of the medications permitted by the state for any/all levels of EMS personnel in the state. This should be stored as an RxNorm (RXCUI) Code. This is associated with the EMS Agency State (dAgency.01).

The EMS agency should submit “Not Applicable” and “Nil” to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

Version 3 Changes Implemented

State EMS systems which have regulatory authority to identify medications to be administered within the state may identify specific RxNorm codes based on medical direction and their own need.

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

RxNorm
Website - http://uts.nlm.nih.gov

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

dConfiguration.05 - Protocols Permitted by the State

Definition

A list of all of the protocols permitted by the state.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

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

Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation

9914079 Injury-Bites and Envenomations-Land
9914081 Injury-Bites and Envenomations-Marine
9914083 Injury-Bleeding/ Hemorrhage Control
9914085 Injury-Burns-Thermal
9914087 Injury-Cardiac Arrest
9914089 Injury-Crush Syndrome
9914091 Injury-Diving Emergencies
9914093 Injury-Drowning/Near Drowning
9914095 Injury-Electrical Injuries
9914097 Injury-Extremity
9914099 Injury-Eye
9914101 Injury-Head
9914103 Injury-Impaled Object
9914105 Injury-Multisystem
9914107 Injury-Spinal Cord
9914109 Medical-Abdominal Pain
9914111 Medical-Allergic Reaction/Anaphylaxis
9914113 Medical-Altered Mental Status
9914115 Medical-Bradycardia
9914117 Medical-Cardiac Chest Pain
9914119 Medical-Diarrhea
9914121 Medical-Hyperglycemia
9914123 Medical-Hypertension
9914125 Medical-Hypoglycemia/Diabetic Emergency
9914127 Medical-Hypotension/Shock (Non-Trauma)
9914129 Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131 Medical-Nausea/Vomiting
9914133 Medical-Newborn/ Neonatal Resuscitation
9914135 Medical-Overdose/Poisoning/Toxic Ingestion
9914137 Medical-Pulmonary Edema/CHF
9914139 Medical-Respiratory Distress/Asthma/COPD/Croup/Reactive Airway
9914141 Medical-Seizure
9914143 Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145 Medical-Stroke/TIA
9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149 Medical-Syncope
9914151 Medical-Ventricular Tachycardia (With Pulse)
9914153 Not Done
9914155 OB/GYN-Childbirth/Labor/Delivery
9914157 OB/GYN-Eclampsia
9914159 OB/GYN-Gynecologic Emergencies
9914161 OB/GYN-Pregnancy Related Emergencies
9914163 OB/GYN-Post-partum Hemorrhage
9914165 Other
9914167 Exposure-Carbon Monoxide
9914169 Cardiac Arrest-Do Not Resuscitate
9914171 Cardiac Arrest-Special Resuscitation Orders
9914173 Exposure-Smoke Inhalation
9914175 General-Community Paramedicine / Mobile Integrated Healthcare
9914177 General-Exception Protocol
9914179 General-Extended Care Guidelines
9914181 General-Interfacility Transfers
9914183 General-Law Enforcement - Blood for Legal Purposes
9914185 General-Law Enforcement - Assist with Law Enforcement Activity
9914187 General-Neglect or Abuse Suspected
9914189 General-Refusal of Care
9914191 Injury-Mass/Multiple Casualties
9914193 Injury-Thoracic
9914195 Medical-Adrenal Insufficiency
9914197 Medical-Apparent Life Threatening Event (ALTE)
9914199 Medical-Tachycardia

Data Element Comment

This data element should capture all of the protocols permitted by the state for any/all levels of EMS personnel in the state.
This is associated with the EMS Agency State (dAgency.01).
States can add additional protocols to the list but the additional state protocols must map to these uniform codes.
The list is defined by the NASEMSO State Medical Directors.
The EMS agency should submit “Not Applicable” and “Nil” to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

Version 3 Changes Implemented

Added to better identify states with statewide protocols and define state EMS capability and care.

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

Definition

EMS certification levels which are permitted to perform the procedure listed in dConfiguration.07.

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_05	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

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

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

dConfiguration.07 - EMS Agency Procedures

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_04	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Data Type	maxInclusive	minInclusive
integer	1000000000	100000

Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities. Each procedure is associated with the EMS professional certification levels permitted to perform the procedure. EMS Agencies may identify additional SNOMEDCT procedure codes based on medical direction and their own need. If an agency resides in a state with statewide approved procedures, they should be listed/implemented here.
Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html
SNOMEDCT Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html Product: Product - UMLS Metathesaurus

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

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_07	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

Data Element Comment

Using each certification level within the agency, indicate the approved medications allowed utilizing dConfiguration.09 (EMS Agency Medications).

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

dConfiguration.09 - EMS Agency Medications

Definition

A list of all medications the agency has implemented and have available for use.

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_06	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

The medication list is stored as the RxNorm (RXCUI) Code. This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.
List of medications based on RxNorm (RXCUI) code. Reference the NEMSIS Suggested Lists at:
http://nemsis.org/v3/resources.html
RxNorm Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html Product - RxNorm Full Monthly Release

dConfiguration.10 - EMS Agency Protocols

Definition

A list of all of the EMS field protocols that the agency has in place and available for use.

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_08	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control

9914085 Injury-Burns-Thermal
9914087 Injury-Cardiac Arrest
9914089 Injury-Crush Syndrome
9914091 Injury-Diving Emergencies
9914093 Injury-Drowning/Near Drowning
9914095 Injury-Electrical Injuries
9914097 Injury-Extremity
9914099 Injury-Eye
9914101 Injury-Head
9914103 Injury-Impaled Object
9914105 Injury-Multisystem
9914107 Injury-Spinal Cord
9914109 Medical-Abdominal Pain
9914111 Medical-Allergic Reaction/Anaphylaxis
9914113 Medical-Altered Mental Status
9914115 Medical-Bradycardia
9914117 Medical-Cardiac Chest Pain
9914119 Medical-Diarrhea
9914121 Medical-Hyperglycemia
9914123 Medical-Hypertension
9914125 Medical-Hypoglycemia/Diabetic Emergency
9914127 Medical-Hypotension/Shock (Non-Trauma)
9914129 Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131 Medical-Nausea/Vomiting
9914133 Medical-Newborn/ Neonatal Resuscitation
9914135 General-Overdose/Poisoning/Toxic Ingestion
9914137 Medical-Pulmonary Edema/CHF
9914139 Medical-Respiratory Distress/Asthma/COPD/ Reactive Airway
9914141 Medical-Seizure
9914143 Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145 Medical-Stroke/TIA
9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149 Medical-Syncope
9914151 Medical-Ventricular Tachycardia (With Pulse)
9914153 Not Done
9914155 OB/GYN-Childbirth/Labor/Delivery
9914157 OB/GYN-Eclampsia
9914159 OB/GYN-Gynecologic Emergencies
9914161 OB/GYN-Pregnancy Related Emergencies
9914163 OB/GYN-Post-partum Hemorrhage
9914165 Other
9914167 Exposure-Carbon Monoxide
9914169 Cardiac Arrest-Do Not Resuscitate
9914171 Cardiac Arrest-Special Resuscitation Orders
9914173 Exposure-Smoke Inhalation
9914175 General-Community Paramedicine / Mobile Integrated Healthcare
9914177 General-Exception Protocol
9914179 General-Extended Care Guidelines
9914181 General-Interfacility Transfers
9914183 General-Law Enforcement - Blood for Legal Purposes
9914185 General-Law Enforcement - Assist with Law Enforcement Activity
9914187 General-Neglect or Abuse Suspected
9914189 General-Refusal of Care
9914191 Injury-Mass/Multiple Casualties
9914193 Injury-Thoracic
9914195 Medical-Adrenal Insufficiency
9914197 Medical-Apparent Life Threatening Event (ALTE)
9914199 Medical-Tachycardia
9914201 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203 Injury-Conducted Electrical Weapon (e.g., Taser)
9914205 Injury-Facial Trauma
9914207 Injury-General Trauma Management
9914209 Injury-Lightning/Lightning Strike
9914211 Injury-SCUBA Injury/Accidents
9914213 Injury-Topical Chemical Burn
9914215 Medical-Beta Blocker Poisoning/Overdose
9914217 Medical-Calcium Channel Blocker Poisoning/Overdose
9914219 Medical-Opioid Poisoning/Overdose
9914221 Medical-Respiratory Distress-Bronchiolitis
9914223 Medical-Respiratory Distress-Croup
9914225 Medical-Stimulant Poisoning/Overdose

Data Element Comment

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

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

The list is defined by the NASEMSO State Medical Directors.

dConfiguration.11 - EMS Agency Specialty Service Capability

Definition

Special training or services provided by the EMS Agency and available to the EMS service area/community.

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

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

dConfiguration.12 - Billing Status

Definition

Indication of whether the EMS agency routinely bills for any segment of the patient population.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_10	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
1213001	No
1213003	Yes, 100% of the EMS Agency's Service Area
1213005	Yes, Less than 100% of the EMS Agency's Service Area

Data Element Comment

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

dConfiguration.15 - Patient Monitoring Capability(s)

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

dConfiguration.16 - Crew Call Sign

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_02	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : M

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

dVehicle

dVehicle.01 - Unit/Vehicle Number

Definition

The unique ID number for the unit which is specific for each vehicle. This ID number may be the state's vehicle's permit number.

National Element	No	Pertinent Negatives (PN)	No
State Element	Optional	NOT Values	Yes
Version 2 Element	D06_01	Is Nillable	Yes
AZ-PIERS Usage	Optional	Recurrence	0 : 1

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	1	25

Data Element Comment

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

dFacility

dFacility.01 - Type of Facility

Definition

The type of facility (healthcare or other) that the EMS agency transports patients to or from.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_15	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Code List

Code	Description
1701001	Assisted Living Facility
1701003	Clinic
1701005	Hospital
1701007	Nursing Home
1701009	Other (Not Listed)
1701011	Urgent Care
1701013 =	Rehabilitation Facility
1701015 =	Mental Health Facility
1701017 =	Dialysis Center

Data Element Comment

dFacility.02 - Facility Name

Definition

The name of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_11	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

dFacility.03 - Facility Location Code

Definition

The code of the facility as assigned by the state or the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_12	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

The information contained within this element could be used to populate eScene.10 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code) via a drop down list created at either the EMS Agency or State level.

dCustomResults

dCustomResults.01 - Custom Data Element Result

Definition

The actual value or values chosen (if values listed in dCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element

National Element	Mandatory	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
AZ-PIERS Usage	As needed	Recurrence	1 : M

Attributes

NOT Values (NV)

Pertinent Negatives (PN)

NV

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

PN

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

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

Version 3 Changes Implemented

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

dCustomResults.02 - Custom Element ID Referenced

Definition

References the CustomElementID attribute for eCustomConfiguration.CustomGroup

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

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

dCustomResults.03 - CorrelationID of DemographicReport Element or Group

Definition

References the CorrelationID attribute of an element or group in the DemographicReport section

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
AZ-PIERS Usage	As needed	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

eState

eState.01 - State Required Element

Definition

Indicates which elements are required by the state

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

Attributes

TIMESTAMP

Data Type: String **minInclusive:** 1950-01-01T00:00:00-00:00 **maxInclusive:** 2050-01-01T00:00:00-00:00

Pattern

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

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

This element was created to document elements required by the state. The TIMESTAMP attribute describes the active date of the element.

eCustomConfiguration

eCustomConfiguration.01 - Custom Data Element Title

Definition

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

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

Attributes

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035).
Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

Version 3 Changes Implemented

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

eCustomConfiguration.02 - Custom Definition

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	0	255

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

eCustomConfiguration.03 - Custom Data Type

Definition

The data type of the custom element.

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

Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other (Not Listed)
9902009	Text/String
9902011	Boolean

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

eCustomConfiguration.04 - Custom Data Element Recurrence

Definition

Indication if the data element will accept multiple values.

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

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

Version 3 Changes Implemented

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

eCustomConfiguration.05 - Custom Data Element Usage

Definition

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

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

Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

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

Version 3 Changes Implemented

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

eCustomConfiguration.06 - Custom Data Element Potential Values

Definition

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

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

Attributes

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

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

Constraints

Data Type	minLength	maxLength
string	1	100

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

Version 3 Changes Implemented

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

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

Definition

NOT Values (NV) associated with the custom element

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

Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

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

Definition

Pertinent Negative Values (PN) associated with the custom element

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

Code List

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

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.08 may be required for all State required custom Elements.

eCustomConfiguration.09 - Custom Element Grouping ID

Definition

ID for how custom elements are grouped

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

Constraints

Data Type	minLength	maxLength
string	0	255

Data Element Comment

*Required if needed to supply data one a State required custom Element. (Ex: itExam.002, it Disposition.032, itDisposition.035). Not all of eCustomConfiguration.01-eCustomConfiguration.09 may be required for all State required custom Elements.

eRecord

eRecord.01 - Patient Care Report Number

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	3	32

Data Element Comment

eRecord.02 - Software Creator

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

eRecord.03 - Software Name

Definition

The name of the application used to create this record.

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

eRecord.04 - Software Version

Definition

The version of the application used to create this record.

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

eResponse

eResponse.01 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

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

eResponse.02 - EMS Agency Name

Definition

EMS Agency Name

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

eResponse.03 - Incident Number

Definition

The incident number assigned by the 911 Dispatch System

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	3	50

Data Element Comment

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

eResponse.04 - EMS Response Number

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	3	50

Data Element Comment

eResponse.05 - Type of Service Requested

Definition

The type of service or category of service requested of the EMS Agency responding for this specific EMS event

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_04	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

“Interfacility Transfer” has been changed to ”Interfacility Transport”. “Public Assistance/Other Not Listed” added for EMS expanded scope events such as elderly assistance, injury prevention, public education, immunization programs, etc.

eResponse.07 - Primary Role of the Unit

Definition

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

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_05	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
2207003	Ground Transport
2207005	Non-Transport Administrative (e.g., Supervisor)
2207007	Non-Transport Assistance
2207009	Non-Transport Rescue
2207011	Air Transport-Helicopter
2207013	Air Transport-Fixed Wing

Data Element Comment

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

eResponse.08 - Type of Dispatch Delay

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Optional	NOT Values	Yes
Version 2 Element	E02_06	Is Nillable	Yes
AZ-PIERS Usage	Optional	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
2208001	Caller (Uncooperative)
2208003	Diversion/Failure (of previous unit)
2208005	High Call Volume
2208007	Language Barrier
2208009	Location (Inability to Obtain)
2208011	No EMS Vehicles (Units) Available
2208013	None/No Delay
2208015	Other (Not Listed)
2208017	Technical Failure (Computer, Phone etc.)

Data Element Comment

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

eResponse.09 - Type of Response Delay

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

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

eResponse.10 - Type of Scene Delay

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_08	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
2210001	Awaiting Air Unit
2210003	Awaiting Ground Unit
2210005	Crowd
2210007	Directions/Unable to Locate
2210009	Distance
2210011	Extrication
2210013	HazMat
2210015	Language Barrier
2210017	None/No Delay
2210019	Other (Not Listed)
2210021	Patient Access
2210023	Safety-Crew/Staging
2210025	Safety-Patient
2210027	Staff Delay
2210029	Traffic
2210031	Triage/Multiple Patients
2210033	Vehicle Crash Involving this Unit
2210035	Vehicle Failure of this Unit
2210037	Weather
2210039	Mechanical Issue-Unit, Equipment, etc.

Data Element Comment

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

eResponse.11 - Type of Transport Delay

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_09	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
2211001	Crowd
2211003	Directions/Unable to Locate
2211005	Distance
2211007	Diversion
2211009	HazMat
2211011	None/No Delay
2211013	Other (Not Listed)
2211015	Rendezvous Transport Unavailable
2211017	Route Obstruction (e.g., Train)
2211019	Safety
2211021	Staff Delay
2211023	Traffic
2211025	Vehicle Crash Involving this Unit
2211027	Vehicle Failure of this Unit
2211029	Weather
2211031	Patient Condition Change (e.g., Unit Stopped)

Data Element Comment

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

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

eResponse.12 - Type of Turn-Around Delay

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_10	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Response

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
2212001	Clean-up
2212003	Decontamination
2212005	Distance
2212007	Documentation
2212009	ED Overcrowding / Transfer of Care
2212011	Equipment Failure
2212013	Equipment/Supply Replenishment
2212015	None/No Delay
2212017	Other (Not Listed)
2212019	Rendezvous Transport Unavailable
2212021	Route Obstruction (e.g., Train)
2212023	Staff Delay
2212025	Traffic
2212027	Vehicle Crash of this Unit
2212029	Vehicle Failure of this Unit
2212031	Weather
2212033	EMS Crew Accompanies Patient for Facility Procedure

Data Element Comment

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

If a patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the patient arrived at the destination (eTimes.10) until the time the unit is back in service (eTimes.13) or unit back at the home location (eTimes15) [whichever is the greater of the two times].

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

eResponse.13 - EMS Vehicle (Unit) Number

Definition

The unique physical vehicle number of the responding unit.

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

Constraints

Data Type	minLength	maxLength
string	1	25

Data Element Comment

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

eResponse.14 - EMS Unit Call Sign

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

eResponse.15 - Level of Care of This Unit

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

Added to identify the level of care (license level) the EMS unit/crew can provide regardless of patient need, based on this unit's capabilities.

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

eResponse.23 - Response Mode to Scene

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

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

eResponse.24 - Additional Response Mode Descriptors

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

eDispatch

eDispatch.01 - Complaint Reported by Dispatch

Definition

The complaint dispatch reported to the responding unit.

National Element	Mandatory	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E03_01	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

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

Data Element Comment

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

eDispatch.02 - EMD Performed

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

eCrew

eCrew.02 - Crew Member Level

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Code List

Code	Description
2402001	2009 Advanced Emergency Medical Technician (AEMT)
2402003	2009 Emergency Medical Responder (EMR)
2402005	2009 Emergency Medical Technician (EMT)
2402007	2009 Paramedic
2402009	First Responder
2402011	EMT-Basic
2402013	EMT-Intermediate
2402015	EMT-Paramedic
2402019	Other Healthcare Professional
2402021	Other Non-Healthcare Professional
2402023	Physician
2402025	Respiratory Therapist
2402027	Student
2402029	Critical Care Paramedic
2402031	Community Paramedicine
9925037	Nurse Practitioner
9925039	Physician Assistant
9925041	LPN (licensed practical nurse)
9925043	Registered Nurse

Data Element Comment

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

eCrew.03 - Crew Member Response Role

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
2403001	Driver/Pilot-Response
2403003	Driver/Pilot-Transport
2403005	Other (Not Listed)
2403007	Other Patient Caregiver-At Scene
2403009	Other Patient Caregiver-Transport
2403011	Primary Patient Caregiver-At Scene
2403013	Primary Patient Caregiver-Transport

Data Element Comment

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

eTimes

eTimes.01 - PSAP Call Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).
This time may not be available to all services.

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

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

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

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

eTimes.02 - Dispatch Notified Date/Time

Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E05_03	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Constraints

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

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

Data Element Comment

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

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

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

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

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

eTimes.03 - Unit Notified by Dispatch Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

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

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

Data Element Comment

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

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

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

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

eTimes.05 - Unit En Route Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eTimes.06 - Unit Arrived on Scene Date/Time

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_06	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eTimes.07 - Arrived at Patient Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eTimes.09 - Unit Left Scene Date/Time

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_09	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

Definition

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

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

Constraints

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

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

Data Element Comment

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

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

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

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

eTimes.11 - Patient Arrived at Destination Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

eTimes.13 - Unit Back in Service Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Response

Constraints

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

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

Data Element Comment

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

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

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

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

eTimes.14 - Unit Canceled Date/Time

Definition

The date/time the unit was canceled.

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

Associated Performance Measure Initiatives

Response

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

ePatient

ePatient.01 - EMS Patient ID

Definition

The unique ID for the patient within the Agency

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

ePatient.02 - Last Name

Definition

The patient's last (family) name

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

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	1	60

Data Element Comment

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

ePatient.03 - First Name

Definition

The patient's first (given) name

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

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

ePatient.04 - Middle Initial/Name

Definition

The patient's middle name, if any

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePatient.05 - Patient's Home Address

Definition

Patient's address of residence

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

Attributes

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

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

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

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

ePatient.06 - Patient's Home City

Definition

The patient's primary city or township of residence

National Element	No
State Element	Yes
Version 2 Element	E06_05
AZ-PIERS Usage	Required

Pertinent Negatives (PN)	No
NOT Values	No
Is Nillable	No
Recurrence	0 : 1

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place"" and "Military" code as additional options.
Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.
GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePatient.07 - Patient's Home County

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}

Data Element Comment

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

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

ePatient.08 - Patient's Home State

Definition

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

National Element	Yes
State Element	Yes
Version 2 Element	E06_07
AZ-PIERS Usage	Required

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{2}

Data Element Comment

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

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

ePatient.09 - Patient's Home ZIP Code

Definition

The patient's ZIP code of residence.

National Element	Yes
State Element	Yes
Version 2 Element	E06_08
AZ-PIERS Usage	Required

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

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

ePatient.10 - Patient's Home Country

Definition

The country of residence of the patient.

National Element	No
State Element	Optional
Version 2 Element	E06_09
AZ-PIERS Usage	Optional

Pertinent Negatives (PN)	No
NOT Values	No
Is Nillable	No
Recurrence	0 : 1

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

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

Optional except when Patient's Home Country is not U.S.
Used to inform validation rules to accept blank city, state, zip

ePatient.12 - Social Security Number

Definition

The patient's social security number

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

Constraints

Data Type	maxInclusive	minInclusive
integer	999999999	000000000

Data Element Comment

May be entered as 000000000 if not aquired

ePatient.13 - Gender

Definition

The Patient's Gender

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_11	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

ePatient.14 - Race

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_12	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

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

ePatient.15 - Age

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_14	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
integer	1	120

Data Element Comment

ePatient.16 - Age Units

Definition

The unit used to define the patient's age

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

ePatient.17 - Date of Birth

Definition

The patient's date of birth

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

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused
8801023 - Unable to Complete

Constraints

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

Data Element Comment

ePatient.20 - State Issuing Driver's License

Definition

The state that issued the drivers license

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

Constraints

Data Type	length
string	2

Data Element Comment

Stored as the ANSI State Code.

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

ePatient.21 - Driver's License Number

Definition

The patient's drivers license number

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

Constraints

Data Type	minLength	maxLength
string	1	30

Data Element Comment

ePayment

ePayment.01 - Primary Method of Payment

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Data Element Comment

Added to assist in billing documentation. Associated with ePayment.02: Physician Certification Statement.
DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

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

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

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

ePayment.50 - CMS Service Level

Definition

The CMS service level for this EMS encounter.

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

Associated Performance Measure Initiatives

Airway Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

ePayment.51 - EMS Condition Code

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

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

Data Element Comment

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

ePayment.52 - CMS Transportation Indicator

Definition

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

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

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

Name changed from Condition Code Modifier to CMS Transportation Indicator

Version 3 Changes Implemented

Name changed from Condition Code Modifier to CMS Transportation Indicator

eScene

eScene.01 - First EMS Unit on Scene

Definition

Documentation that this EMS Unit was the first EMS Unit for the EMS Agency on the Scene

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

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

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

Definition

Other EMS agency names that were at the scene, if any

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	25

Data Element Comment

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

eScene.04 - Type of Other Service at Scene

Definition

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

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

Code List

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

Data Element Comment

Associated with each Other Service in eScene.02

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

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest STEMI Trauma

Constraints

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

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

Data Element Comment

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

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

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

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

eScene.06 - Number of Patients at Scene

Definition

Indicator of how many total patients were at the scene

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

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
2707001	Multiple
2707003	None
2707005	Single

Data Element Comment

eScene.07 - Mass Casualty Incident

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

eScene.08 - Triage Classification for MCI Patient

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

Examples of triage systems include START and SALT.

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

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

eScene.09 - Incident Location Type

Definition

The kind of location where the incident happened

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_07	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

Y92\.[0-9]{1,3}

Code List

See Data Dictionary Supplementary Code Index, available at: http://azdhs.gov/bems/data/PIERS.htm

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eScene.10 - Incident Facility Code

Definition

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

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

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

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

eScene.11 - Scene GPS Location

Definition

The GPS coordinates associated with the Scene.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern

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

Data Element Comment

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

eScene.12 - Scene US National Grid Coordinates

Definition

The US National Grid Coordinates for the Scene.

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

Constraints

Pattern
[1][0-9][R,S,T,U][ABCDEFGHJKLMNPQRSTUVWXYZ][ABCDEFGHJKLMNPQRSTUV][0-9]{8}

Data Element Comment

Standard found at www.fgdc.gov/usng

eScene.13 - Incident Facility or Location Name

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	2	100

Data Element Comment

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

eScene.14 - Mile Post or Major Roadway

Definition

The mile post or major roadway associated with the incident locations

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

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

7701005 – Not Reporting

Constraints

Data Type	maxLength	minLength
string	35	1

Data Element Comment

eScene.15 - Incident Street Address

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

7701005 – Not Reporting

StreetAddress2

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

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

eScene.17 - Incident City

Definition

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

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

Attributes

NOT Values (NV)

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

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.
Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.
GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eScene.18 - Incident State

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{2}

Data Element Comment

Based on the ANSI State Code.

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

eScene.19 - Incident ZIP Code

Definition

The ZIP code of the incident location

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_15	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

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

eScene.21 - Incident County

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}

Data Element Comment

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

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

eScene.22 - Incident Country

Definition

The country of the incident location.

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

Constraints

Data Type	length
string	2

Data Element Comment

Based on the ISO Country Code.

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

Version 3 Changes Implemented

Added for international compatibility.

eScene.23 - Incident Census Tract

Definition

The census tract in which the incident occurred.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Constraints

Pattern
[0-9]{11}

Data Element Comment

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

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

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

Census Tract Data Website (files and descriptions): http://www.census.gov/geo/www/2010census/tract_rel/tract_rel.html

Version 3 Changes Implemented

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

eSituation

eSituation.01 - Date/Time of Symptom Onset

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Version 3 Changes Implemented

Added to better define the EMS patient event.

eSituation.02 - Possible Injury

Definition

Indication whether or not there was an injury

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_04	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9922001	No
9922003	Unknown
9922005	Yes

Data Element Comment

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

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eSituation.04 - Complaint

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	1	255

Data Element Comment

eSituation.05 - Duration of Complaint

Definition

The duration of the complaint

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minInclusive	maxInclusive
integer	1	365

Data Element Comment

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

eSituation.06 - Time Units of Duration of Complaint

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Code List

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

Data Element Comment

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

eSituation.07 - Chief Complaint Anatomic Location

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

eSituation.08 - Chief Complaint Organ System

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

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

eSituation.09 - Primary Symptom

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

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

Code list is represented in ICD-10-CM Diagnoses Codes. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eSituation.10 - Other Associated Symptoms

Definition

Other symptoms identified by the patient or observed by EMS personnel

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_14	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

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

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eSituation.11 - Provider's Primary Impression

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_15	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eSituation.12 - Provider's Secondary Impressions

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_16	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

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

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eSituation.13 - Initial Patient Acuity

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at
http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf

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

eSituation.17 - Patient Activity

Definition

The activity the patient was involved in at the time the patient experienced the onset of symptoms or experienced an injury.

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

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

Pattern
Y93\.[A-Za-z0-9]{1,4}

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eSituation.18 - Date/Time Last Known Well

Definition

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

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. For injury or trauma related events, this is the date and time the patient was injured.

Version 3 Changes Implemented

Added to better define the EMS patient event.

eInjury

eInjury.01 - Cause of Injury

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Constraints

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

Data Element Comment

Suggested code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eInjury.02 - Mechanism of Injury

Definition

The mechanism of the event which caused the injury

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_03	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : M

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

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

CorrelationID

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

Code List

Code	Description
2902001	Blunt
2902003	Burn
2902005	Other
2902007	Penetrating

Data Element Comment

eInjury.03 - Trauma Center Criteria

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

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

Code List

Code	Description
2903001	Amputation proximal to wrist or ankle
2903003	Crushed, degloved, mangled, or pulseless extremity
2903005	Chest wall instability or deformity (e.g., flail chest)
2903007	Glasgow Coma Score <=13
2903009	Open or depressed skull fracture
2903011	Paralysis
2903013	Pelvic fractures
2903015	All penetrating injuries to head, neck, torso, and extremities proximal to elbow or knee
2903017	Respiratory Rate <10 or >29 breaths per minute (<20 in infants aged <1 year) or need for ventilator support
2903019	Systolic Blood Pressure <90 mmHg
2903021	Two or more proximal long-bone fractures

Data Element Comment

2011 Guidelines for the Field Triage of Injured Patients - value choices for Steps 1 and 2. For falls, one story is equal to 10 feet.

Version 3 Changes Implemented

Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients.
Website: http://www.cdc.gov/FieldTriage/

eInjury.04 - Vehicular, Pedestrian, or Other Injury Risk Factor

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
2904001	Auto v. Pedestrian/Bicyclist Thrown, Run Over, or > 20 MPH Impact
2904003	Fall Adults: > 20 ft. (one story is equal to 10 ft.)
2904005	Fall Children: > 10 ft. or 2-3 times the height of the child
2904007	Crash Death in Same Passenger Compartment
2904009	Crash Ejection (partial or complete) from vehicle
2904011	Crash Intrusion, including roof: > 12 in. occupant site; > 18 in. any site
2904013	Crash Vehicle Telemetry Data (AACN) Consistent with High Risk of Injury
2904015	Motorcycle Crash > 20 MPH
2904017	SBP < 110 for age > 65
2904019	Anticoagulants and Bleeding Disorders
2904021	Pregnancy > 20 weeks
2904023	EMS Provider Judgment
2904025	Burn, without other trauma
2904027	Burn, with trauma mechanism

Data Element Comment

Assesses mechanism of injury and evidence of high-energy impact (Step 3) AND Assess special patient or system considerations (Step 4) based on CDC 2011 Guidelines for the Field Triage of Injured Patients Step 3 and 4. Website: http://www.cdc.gov/FieldTriage/.

Version 3 Changes Implemented

Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients.
Website: http://www.cdc.gov/FieldTriage/

eInjury.06 - Location of Patient in Vehicle

Definition

The seat row location of the vehicle at the time of the crash with the front seat numbered as 1

National Element	No	Pertinent Negatives (PN)	No
State Element	Optional	NOT Values	No
Version 2 Element	E10_06	Is Nillable	No
AZ-PIERS Usage	Optional	Recurrence	0 : 1

Code List

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

Data Element Comment

MMUCC P6 data element

eInjury.07 - Use of Occupant Safety Equipment

Definition

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

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_08	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : M

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

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

CorrelationID

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

Code List

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

Data Element Comment

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

eInjury.08 - Airbag Deployment

Definition

Indication of Airbag Deployment

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E10_09	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : M

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

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

eArrest

eArrest.01 - Cardiac Arrest

Definition

Indication of the presence of a cardiac arrest at any time during this EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria. If the patient has a history of cardiac arrest do not document Cardiac Arrest (eArrest.01) with "Yes, Prior to EMS Arrival" or "Yes, After EMS Arrival" during this encounter.

eArrest.02 - Cardiac Arrest Etiology

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

eArrest.03 - Resuscitation Attempted By EMS

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

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

Code List

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

Data Element Comment

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

eArrest.04 - Arrest Witnessed By

Definition

Indication of who the cardiac arrest was witnessed by

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_04	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

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

Code List

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

Data Element Comment

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

eArrest.05 - CPR Care Provided Prior to EMS Arrival

Definition

Documentation of the CPR provided prior to EMS arrival

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

eArrest.06 - Who Provided CPR Prior to EMS Arrival

Definition

Documentation of who performed CPR prior to this EMS unit's arrival.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

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

eArrest.07 - AED Use Prior to EMS Arrival

Definition

Documentation of AED use Prior to EMS Arrival

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

eArrest.08 - Who Used AED Prior to EMS Arrival

Definition

Documentation of who used the AED prior to this EMS unit's arrival.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

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

eArrest.09 - Type of CPR Provided

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

CorrelationID

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

Code List

Code	Description
3009001	Compressions-Continuous
3009003	Compressions-External Band Type Device
3009005	Compressions-External Plunger Type Device
3009007	Compressions-External Thumper Type Device
3009009	Compressions-Intermittent with Ventilation
3009011	Compressions-Other Device
3009013	Ventilation-Bag Valve Mask
3009015	Ventilation-Impedance Threshold Device
3009017	Ventilation-Mouth to Mouth
3009019	Ventilation-Pocket Mask

Data Element Comment

Added to capture special CPR techniques.

eArrest.11 - First Monitored Arrest Rhythm of the Patient

Definition

Documentation of what the first monitored arrest rhythm which was noted

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_05	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

eArrest.12 - Any Return of Spontaneous Circulation

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_06	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

This element needs to be documented when the patient has been in cardiac arrest and transported to a healthcare facility to show the change in patient condition, if any. Any ROSC is defined as any brief (approximately >30 seconds) restoration of spontaneous circulation that provides evidence of more than an occasional gasp, occasional fleeting palpable pulse, or arterial waveform.

eArrest.14 - Date/Time of Cardiac Arrest

Definition

The date/time of the cardiac arrest (if not known, please estimate).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

Changed from estimated time prior to EMS arrival to date/time of cardiac arrest.

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

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

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

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

eArrest.15 - Date/Time Resuscitation Discontinued

Definition

The date/time resuscitation was discontinued.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_09	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

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

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eArrest.16 - Reason CPR/Resuscitation Discontinued

Definition

The reason that CPR or the resuscitation efforts were discontinued.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_10	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3016001	DNR
3016003	Medical Control Order
3016005	Obvious Signs of Death
3016007	Physically Unable to Perform

eArrest.17 - Cardiac Rhythm on Arrival at Destination

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_11	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901031	Other (Not Listed)
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation
9901069	Ventricular Tachycardia (With Pulse)
9901071	Ventricular Tachycardia (Pulseless)

Data Element Comment

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

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

eArrest.18 - End of EMS Cardiac Arrest Event

Definition

The patient's outcome at the end of the EMS event.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 Not Recorded

Code List

Code	Description
3018001	Expired in ED
3018003	Expired in the Field
3018005	Ongoing Resuscitation in ED
3018007	ROSC in the Field
3018009	ROSC in the ED
3018011	Ongoing Resuscitation by Other EMS

Data Element Comment

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

Version 3 Changes Implemented

Added to better identify the outcome of EMS cardiac arrest patients.

eArrest.19 – Date/Time of Initial CPR

Definition

The initial date and time that CPR was started by anyone.

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

Constraints

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

Pattern

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

Data Element Comment

eHistory

eHistory.01 - Barriers to Patient Care

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
3101001	Cultural, Custom, Religious
3101003	Developmentally Impaired
3101005	Hearing Impaired
3101007	Language
3101009	None Noted
3101011	Obesity
3101013	Physical Barrier (Unable to Access Patient)
3101015	Physically Impaired
3101017	Physically Restrained
3101019	Psychologically Impaired
3101021	Sight Impaired
3101023	Speech Impaired
3101025	Unattended or Unsupervised (including minors)
3101027	Unconscious
3101029	Uncooperative
3101031	State of Emotional Distress

Data Element Comment

eHistory.06 - Medication Allergies

Definition

The patient's medication allergies

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_08	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : M

Attributes

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

Pertinent Negatives (PN)
8801013 - No Known Drug Allergy
8801019 - Refused
8801023 - Unable to Complete
8801021 - Unresponsive

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

CodeType
9924001 - ICD10
9924003 - RxNorm

Constraints

Pattern
(Z88\.[0-9])|([a-zA-Z0-9]{2,7})

Data Element Comment

The list of medication allergies is based on RxNorm (RXCUI) Codes. In addition, a specific list of ICD-10 CM codes can be used for medication groups.

Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

Code list is represented in two separate UMLS datasets:
1) ICD-10 Codes.
2) RxNorm

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

eHistory.08 - Medical/Surgical History

Definition

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

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Optional	NOT Values	Yes
Version 2 Element	E12_10	Is Nillable	Yes
AZ-PIERS Usage	Optional	Recurrence	0 : M

Attributes

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

Pertinent Negatives (PN)
8801015 - None Reported
8801019 - Refused
8801021 - Unresponsive
8801023 - Unable to Complete

CorrelationID
Data Type: string
minLength: 0
maxLength: 255

Constraints

Pattern
([A-QRSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,3})?) | [0-9A-HJ-NP-Z]{3,7}

Data Element Comment

The Medical/Surgical History pattern has been extended to include ICD-10-CM: Diagnosis Codes and ICD-10-PCS: Procedural Health Intervention Codes. ICD-10-CM: Diagnosis Codes. Website - http://uts.nlm.nih.gov Product - UMLS Metathesaurus Please reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. There are no decimals in ICD-10-PCS.

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

eHistory.12 - Current Medications

Definition

The medications the patient currently takes

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_14	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

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

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

RxNorm
Website - http://uts.nlm.nih.gov

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

eHistory.17 - Alcohol/Drug Use Indicators

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_19	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

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

CorrelationID

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

Code List

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

Data Element Comment

eNarrative

eNarrative.01 - Patient Care Report Narrative

Definition

The narrative of the patient care report (PCR).

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E13_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	1	10000

Data Element Comment

eVitals

eVitals.01 - Date/Time Vital Signs Taken

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

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

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_03	Is Nillable	Yes
AZ-PIERS Usage	Recommended	Recurrence	1 : M

Associated Performance Measure Initiatives

Cardiac Arrest STEMI

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

CorrelationID

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

Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901031	Other (Not Listed)
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm

Data Element Comment

eVitals.04 - ECG Type

Definition

The type of ECG associated with the cardiac rhythm.

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

Associated Performance Measure Initiatives

STEMI

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

Version 3 Changes Implemented

Added to better document ECG results.

eVitals.05 - Method of ECG Interpretation

Definition

The method of ECG interpretation.

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

Associated Performance Measure Initiatives

STEMI

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

Version 3 Changes Implemented

Added to better document ECG results.

eVitals.06 - SBP (Systolic Blood Pressure)

Definition

The patient's systolic blood pressure.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_04	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

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

Constraints

Data Type	minInclusive	maxInclusive
integer	0	500

Data Element Comment

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

eVitals.07 - DBP (Diastolic Blood Pressure)

Definition

The patient's diastolic blood pressure.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_05	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

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

Constraints

Pattern

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

Data Element Comment

Diastolic blood pressure pattern allows for the following values:
1) A number 0 through 500

eVitals.08 - Method of Blood Pressure Measurement

Definition

Indication of method of blood pressure measurement.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Optional	NOT Values	Yes
Version 2 Element	E14_06	Is Nillable	Yes
AZ-PIERS Usage	Optional	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

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

Data Element Comment

eVitals.10 - Heart Rate

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_07	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

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

Constraints

Data Type	minInclusive	maxInclusive
integer	0	500

Data Element Comment

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

eVitals.12 - Pulse Oximetry

Definition

The patient's oxygen saturation.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_09	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

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

Constraints

Data Type	minInclusive	maxInclusive
integer	0	100

Data Element Comment

eVitals.14 - Respiratory Rate

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_11	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

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

Constraints

Data Type	minInclusive	maxInclusive
integer	0	300

Data Element Comment

eVitals.15 - Respiratory Effort

Definition

The patient's respiratory effort.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E14_12	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Code List

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

Data Element Comment

eVitals.16 – End Tidal Carbon Dioxide (ETCO2)

Definition

The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg).

National Element	Yes
State Element	Yes
Version 2 Element	E14_13
AZ-PIERS Usage	Required

Pertinent Negatives (PN)	Yes
NOT Values	Yes
Is Nillable	Yes
Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	200

Data Element Comment

eVitals.18 - Blood Glucose Level

Definition

The patient's blood glucose level.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_14	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Pediatric Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	2000

Data Element Comment

For glucometers with "High" and "Low" readings, report "600" for "High" and "20" for "Low".

eVitals.19 - Glasgow Coma Score-Eye

Definition

The patient's Glasgow Coma Score Eye opening.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_15	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Code List

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

Data Element Comment

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

eVitals.20 - Glasgow Coma Score-Verbal

Definition

The patient's Glasgow Coma Score Verbal.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_16	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Code List

Code	Description
1	No verbal/vocal response (All Age Groups)
2	Incomprehensible sounds (>2 Years); Inconsolable, agitated
3	Inappropriate words (>2 Years); Inconsistently consolable, moaning
4	Confused (>2 Years); Cries but is consolable, inappropriate interactions
5	Oriented (>2 Years); Smiles, oriented to sounds, follows objects, interacts

Data Element Comment

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

eVitals.21 - Glasgow Coma Score-Motor

Definition

The patient's Glasgow Coma Score Motor

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_17	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Code List

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

Data Element Comment

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

eVitals.22 - Glasgow Coma Score-Qualifier

Definition

Documentation of factors which make the GCS score more meaningful.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_18	Is Nillable	Yes
AZ-PIERS Usage	Optional	Recurrence	1 : M

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

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

Data Element Comment

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

eVitals.23 - Total Glasgow Coma Score

Definition

The patient's total Glasgow Coma Score.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_19	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	3	15

Data Element Comment

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

eVitals.26 - Level of Responsiveness (AVPU)

Definition

The patient's highest level of responsiveness.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_22	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3326001	Alert
3326003	Verbal
3326005	Painful
3326007	Unresponsive

Data Element Comment

Definition changed to indicate highest level of responsiveness.

eVitals.27 - Pain Scale Score

Definition

The patient's indication of pain from a scale of 0-10.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_23	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Pediatric STEMI Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	10

Data Element Comment

The Pain Score can be obtained from several pain measurement tools or pain scale types (eVitals.28). The pain scale type used should have a numeric value associated with each diagram as appropriate. If the pain scale type utilizes multiple indicators/categories the total should be calculated and entered for the pain score associated with the patient assessment.

eVitals.28 - Pain Scale Type

Definition

The type of pain scale used.

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

Attributes

NOT Values (NV)

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

Code List

Code	Description
3328001	FLACC (Face, Legs, Activity, Cry, Consolability)
3328003	Numeric (0-10)
3328005	Other (Not Listed)
3328007	Wong-Baker (FACES)

Data Element Comment

Version 3 Changes Implemented

Added to better document the patient's pain level.

eVitals.29 - Stroke Scale Score

Definition

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

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_24	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused

8801023 - Unable to Complete

Code List

Code	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

Data Element Comment

eVitals.30 - Stroke Scale Type

Definition

The type of stroke pain scale used.

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

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3330001	Cincinnati
3330003	Los Angeles
3330005	Massachusetts
3330007	Miami Emergency Neurologic Deficit (MEND)
3330009	NIH
3330011	Other Stroke Scale Type
3330013	F.A.S.T. Exam

Data Element Comment

Version 3 Changes Implemented

Added to include additional detail on the stroke scale used.

eExam

eExam.01 - Estimated Body Weight in Kilograms

Definition

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

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E16_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Pediatric

Attributes

NOT Values (NV)

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

Pertinent Negatives (PN)

8801023 - Unable to Complete

Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	4	1	0.1	999.9

Data Element Comment

eExam.03 - Date/Time of Assessment

Definition

The date/time of the assessment

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E16_03	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Stroke Cardiac Arrest

Constraints

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

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

Data Element Comment

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

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

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

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

eExam.20 - Neurological Assessment

Definition

The assessment findings of the patient's neurological examination.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	No
Version 2 Element	E16_24	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : M

Associated Performance Measure Initiatives

Cardiac Arrest Stroke

Attributes

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
3520001	Aphagia
3520003	Aphasia
3520005	Cerebellar Function-Abnormal
3520007	Cerebellar Function-Normal
3520009	Decerebrate Posturing
3520011	Decorticate Posturing
3520013	Gait-Abnormal
3520015	Gait-Normal
3520017	Hemiplegia-Left
3520019	Hemiplegia-Right
3520021	Normal Baseline for Patient
3520023	Not Done
3520025	Seizures
3520027	Speech Normal
3520029	Speech Slurring
3520031	Strength-Asymmetric
3520033	Strength-Normal
3520035	Strength-Symmetric
3520037	Tremors
3520039	Weakness-Facial Droop-Left
3520041	Weakness-Facial Droop-Right
3520043	Weakness-Left Sided
3520045	Weakness-Right Sided
~~3520047~~	~~Reported Stroke Symptoms Resolved Prior to EMS Arrival~~
~~3520049~~	~~Reported Stroke Symptoms Resolved in EMS Presence~~
3520051	Arm Drift-Left
3520053	Arm Drift-Right

Data Element Comment

Element eExam.20 - Neurological Assessment represents Version 2.2.1 element E16_24 Neurological Assessment. The element value choices have been expanded.

(3520047) Reported Stroke Symptoms Resolved Prior to EMS Arrival & (3520049) Reported Stroke Symptoms Resolved in EMS Presence have been remove and a new data element/field has been added eExam.21 – Stroke/CVA Symptoms Resolved with values of “No” , “Yes – Resolved Prior to EMS Arrival”, and “Yes – Resolved in EMS Presence” to better document suspect stroke information.

eExam.21 – Stroke/CVA Symptoms Resolved

Definition

Indication if the Stroke/CVA Symptoms resolved and when

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

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)

770100 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801023 – Unable to Complete

Code List

Code	Description
3521001	No
3521003	Yes-Resolved Prior to EMS Arrival
3520049	Yes-Resolved in EMS Presence

Data Element Comment

itExam.002 – Stemi Triage Criteria

Definition

Whether or not the patient met Stemi triage criteria

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	IT12_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

STEMI

Attributes

Code List

Code	Description
itExam.002.100	No
itExam.002.101	Yes

Data Element Comment

eProtocols

eProtocols.01 - Protocols Used

Definition

The protocol used by EMS personnel to direct the clinical care of the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E17_01	Is Nillable	Yes
AZ-PIERS Usage	Recommended	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control

9914085	Injury-Burns-Thermal
9914087	Injury-Cardiac Arrest
9914089	Injury-Crush Syndrome
9914091	Injury-Diving Emergencies
9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099	Injury-Eye
9914101	Injury-Head
9914103	Injury-Impaled Object
9914105	Injury-Multisystem
9914107	Injury-Spinal Cord
9914109	Medical-Abdominal Pain
9914111	Medical-Allergic Reaction/Anaphylaxis
9914113	Medical-Altered Mental Status
9914115	Medical-Bradycardia
9914117	Medical-Cardiac Chest Pain
9914119	Medical-Diarrhea
9914121	Medical-Hyperglycemia
9914123	Medical-Hypertension
9914125	Medical-Hypoglycemia/Diabetic Emergency
9914127	Medical-Hypotension/Shock (Non-Trauma)
9914129	Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/ Reactive Airway
9914141	Medical-Seizure
9914143	Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145	Medical-Stroke/TIA
9914147	Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159	OB/GYN-Gynecologic Emergencies
9914161	OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173	Exposure-Smoke Inhalation
9914175	General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected
9914189	General-Refusal of Care
9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203	Injury-Conducted Electrical Weapon (e.g., Taser)
9914205	Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219	Medical-Opioid Poisoning/Overdose
9914221	Medical-Respiratory Distress-Bronchiolitis
9914223	Medical-Respiratory Distress-Croup
9914225	Medical-Stimulant Poisoning/Overdose

Data Element Comment

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN.

There is a new data element EProtocols.02 to indicate whether the protocol is Adult, Pediatric, or General (both).

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes. The protocol code list should be derived from dConfiguration.05 and/or dConfiguration.10

eMedications

eMedications.01 - Date/Time Medication Administered

Definition

The date/time medication administered to the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eMedications.02 - Medication Administered Prior to this Unit's EMS Care

Definition

Indicates that the medication administration which is documented was administered prior to this EMS units care

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

eMedications.03 - Medication Given

Definition

The medication given to the patient

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_03	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801001 - Contraindication Noted
8801003 - Denied By Order
8801007 - Medication Allergy
8801009 - Medication Already Taken
8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

RxNorm
Website - http://uts.nlm.nih.gov

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

eMedications.04 - Medication Administered Route

Definition

The route medication was administered to the patient

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E18_04	Is Nillable	No
AZ-PIERS Usage	Required	Recurrence	0 : 1

Code List

Code	Description
3704001	Endotracheal tube
3704003	Gastrostomy tube
3704005	Inhalation
3704007	Intraarterial
3704009	Intramuscular
3704011	Intranasal
3704013	Intraocular
3704015	Intraosseous
3704017	Intravenous
3704019	Nasal
3704021	Nasal prongs
3704023	Nasogastric
3704025	Nasotracheal Tube
3704027	Ophthalmic
3704029	Oral
3704031	Other/miscellaneous
3704033	Otic
9927061	Portacath
3704035	Re-breather mask
3704037	Rectal
3704039	Subcutaneous
3704041	Sublingual
3704043	Topical
3704045	Tracheostomy
3704047	Transdermal
3704049	Urethral
3704051	Ventimask
3704053	Wound

Data Element Comment

This medication route list represents a sub-group of values from the Data Elements for Emergency Department Systems (DEEDS), pertaining to prehospital care.

DEEDS Version 1.0 was utilized for this list: http://www.cdc.gov/ncipc/pub-res/pdf/deeds.pdf. The list can be found on page 152 of 274 of the PDF document in Section 5, 5.13 Current Therapeutic Medication Route.

eMedications.05 - Medication Dosage

Definition

The dose or amount of the medication given to the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_05	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	totalDigits	fractionDigits
decimal	9	3

Data Element Comment

eMedications.06 - Medication Dosage Units

Definition

The unit of medication dosage given to patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_06	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3706001	Grams (gms)
3706003	Inches (in)
3706005	International Units (IU)
3706007	Keep Vein Open (kvo)
3706009	Liters (l)
3706011	Liters Per Minute (l/min [fluid])
3706013	Metered Dose (MDI)
3706015	Micrograms (mcg)
3706017	Micrograms per Kilogram per Minute (mcg/kg/min)
3706019	Milliequivalents (mEq)
3706021	Milligrams (mg)
3706023	Milligrams Per Kilogram Per Minute (mg/kg/min)
3706025	Milliliters (ml)
3706027	Milliliters Per Hour (ml/hr)
3706029	Other
3706031	Centimeters (cm)
3706033	Drops (gtts)
3706035	Liters Per Minutes (LPM [gas])
3706037	Micrograms per Minute (mcg/min)
3706039	Milligrams per Kilogram (mg/kg)
3706041	Milligrams per Minutes (mg/min)
3706043	Puffs
3706045	Units per Hour (units/hr)
3706047	Micrograms per Kilogram (mcg/kg)
3706049	Units
3706051	Units per Kilogram per Hour (units/kg/hr)
3706053	Units per Kilogram (units/kg)

Data Element Comment

eMedications.07 - Response to Medication

Definition

The patient's response to the medication

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_07	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Data Element Comment

eMedications.08 - Medication Complication

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_08	Is Nillable	Yes
AZ-PIERS Usage	Optional	Recurrence	1 : M

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
3708001	Altered Mental Status
3708003	Apnea
3708005	Bleeding
3708007	Bradycardia
3708009	Bradypnea
3708011	Diarrhea
3708013	Extravasation
3708015	Hypertension
3708017	Hyperthermia
3708019	Hypotension
3708021	Hypothermia
3708023	Hypoxia
3708025	Injury
3708029	Nausea
3708031	None
3708033	Other (Not Listed)
3708035	Respiratory Distress
3708037	Tachycardia
3708039	Tachypnea
3708041	Vomiting
3708043	Itching
3708045	Urticaria

Data Element Comment

eProcedures

eProcedures.01 - Date/Time Procedure

Definition

The date/time the procedure was performed on the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_01	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care

Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS units care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

eProcedures.03 - Procedure

Definition

The procedure performed on the patient.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_03	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable
7701003 - Not Recorded

Pertinent Negatives (PN)

8801001 - Contraindication Noted
8801003 - Denied By Order
8801019 - Refused
8801023 - Unable to Complete

Constraints

Data Type	maxInclusive	minInclusive
integer	1000000000	100000

Data Element Comment

Procedures which are recorded as a Vital Sign do not have to be documented in the Procedure Section.
Code list is represented in SNOMEDCT. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

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

eProcedures.05 - Number of Procedure Attempts

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_05	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
integer	1	10

Data Element Comment

eProcedures.06 - Procedure Successful

Definition

Indicates that this individual procedure attempt which was performed on the patient was successful.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_06	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

eProcedures.08 - Response to Procedure

Definition

The patient's response to the procedure

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_08	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Data Element Comment

eAirway

eAirway.01 - Indications for Invasive Airway

Definition

The clinical indication for performing invasive airway management.

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

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

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

CorrelationID

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

Code List

Code	Description
4001001	Adequate Airway Reflexes/Effort, Potential for Compromise
4001003	Airway Reflex Compromised
4001005	Apnea or Agonal Respirations
4001007	Illness Involving Airway
4001009	Injury Involving Airway
4001011	Other (Not Listed)
4001013	Ventilatory Effort Compromised

Data Element Comment

Version 3 Changes Implemented

Added to better document airway management.

eAirway.04 - Airway Device Placement Confirmed Method

Definition

The method used to confirm the airway device placement.

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

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

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

Code List

Code	Description
4004001	Auscultation
4004003	Bulb/Syringe Aspiration
4004005	Colorimetric ETCO2
4004007	Condensation in Tube
4004009	Digital (Numeric) ETCO2
4004011	Direct Re-Visualization of Tube in Place
4004013	Endotracheal Tube Whistle (BAAM, etc.)
4004015	Other (Not Listed)
4004017	Visualization of Vocal Cords
4004019	Waveform ETCO2

Data Element Comment

If the invasive airway is confirmed via multiple methods each method should be documented individually by time, method, and type of individual.

Version 3 Changes Implemented

Added to better document airway management.

eAirway.08 - Airway Complications Encountered

Definition

The airway management complications encountered during the patient care episode.

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

Associated Performance Measure Initiatives

Airway

Attributes

NOT Values (NV)

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

CorrelationID

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

Code List

Code	Description
4008001	Adverse Event from Facilitating Drugs
4008003	Bradycardia (<50)
4008005	Cardiac Arrest
4008007	Esophageal Intubation-Delayed Detection (After Tube Secured)
4008009	Esophageal Intubation-Detected in Emergency Department
4008011	Failed Intubation Effort
4008013	Injury or Trauma to Patient from Airway Management Effort
4008015	Other (Not Listed)
4008017	Oxygen Desaturation (<90%)
4008019	Patient Vomiting/Aspiration
4008021	Tube Dislodged During Transport/Patient Care
4008023	Tube Was Not in Correct Position when EMS Crew/Team Assumed Care of the Patient

Data Element Comment

Moved to Outside of eAirway.ConfirmationGroup

Version 3 Changes Implemented

Added to better document airway management

eDisposition

eDisposition.02 - Destination/Transferred To, Code

Definition

The code of the destination the patient was delivered or transferred to.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_02	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

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

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility.

eDisposition.05 - Destination State

Definition

The state of the destination the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_05	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{2}

Data Element Comment

Based on the ANSI Code. May be auto-populated if list created in dFacility.09 (Facility State).

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

eDisposition.06 - Destination County

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_06	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

[0-9]{5}

Data Element Comment

May be auto-populated if list created in dFacility.11 (Facility County). Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

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

eDisposition.07 - Destination ZIP Code

Definition

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

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_07	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

May be auto-populated if list created in dFacility.10 (Facility ZIP Code).

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

eDisposition.08 - Destination Country

Definition

The country of the destination.

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

Constraints

Data Type	length
string	2

Data Element Comment

May be auto-populated if list created in dFacility.12 (Facility Country).

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

Version 3 Changes Implemented

Added for improved international compatibility.

eDisposition.12 - Incident/Patient Disposition

Definition

Type of disposition treatment and/or transport of the patient by this EMS Unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E20_10	Is Nillable	No
AZ-PIERS Usage	Mandatory	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Code List

Code	Description
4212001	Assist, Agency
4212003	Assist, Public
4212005	Assist, Unit
4212007	Canceled (Prior to Arrival At Scene)
4212009	Canceled on Scene (No Patient Contact)
4212011	Canceled on Scene (No Patient Found)
4212013	Patient Dead at Scene-No Resuscitation Attempted (With Transport)
4212015	Patient Dead at Scene-No Resuscitation Attempted (Without Transport)
4212017	Patient Dead at Scene-Resuscitation Attempted (With Transport)
4212019	Patient Dead at Scene-Resuscitation Attempted (Without Transport)
4212021	Patient Evaluated, No Treatment/Transport Required
4212023	Patient Refused Evaluation/Care (With Transport)
4212025	Patient Refused Evaluation/Care (Without Transport)
4212027	Patient Treated, Released (AMA)
4212029	Patient Treated, Released (per protocol)
4212031	Patient Treated, Transferred Care to Another EMS Unit
4212033	Patient Treated, Transported by this EMS Unit
4212035	Patient Treated, Transported by Law Enforcement
4212037	Patient Treated, Transported by Private Vehicle
4212039	Standby-No Services or Support Provided
4212041	Standby-Public Safety, Fire, or EMS Operational Support Provided
4212043	Transport Non-Patient, Organs, etc.

Data Element Comment

eDisposition.16 - EMS Transport Method

Definition

Transport method by this EMS Unit.

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4216001	Air Medical-Fixed Wing
4216003	Air Medical-Rotor Craft
4216005	Ground-Ambulance
4216007	Ground-ATV or Rescue Vehicle
4216009	Ground-Bariatric
4216011	Ground-Other Not Listed
4216013	Ground-Mass Casualty Bus/Vehicle
4216015	Ground-Wheelchair Van
4216017	Water-Boat

Data Element Comment

Required if the patient is transported by EMS.

Version 3 Changes Implemented

Added to better describe Air and Ground Transport methods.

eDisposition.17 - Transport Mode from Scene

Definition

Indication whether the transport was emergent or non-emergent.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_14	Is Nillable	Yes
AZ-PIERS Usage	Recommended	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4217001	Emergent (Immediate Response)
4217003	Emergent Downgraded to Non-Emergent
4217005	Non-Emergent
4217007	Non-Emergent Upgraded to Emergent

Data Element Comment

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

eDisposition.19 – Final Patient Acuity

Definition

The condition of the patient after care by EMS

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_15	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Data Element Comment

eDisposition.20 - Reason for Choosing Destination

Definition

The reason the unit chose to deliver or transfer the patient to the destination

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_16	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : M

Associated Performance Measure Initiatives

Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

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

CorrelationID
Data Type: string **minLength:** 0 **maxLength:** 255

Code List

Code	Description
4220001	Closest Facility
4220003	Diversion
4220005	Family Choice
4220007	Insurance Status/Requirement
4220009	Law Enforcement Choice
4220011	On-Line/On-Scene Medical Direction
4220013	Other (Not Listed)
4220015	Patient's Choice
4220017	Patient's Physician's Choice
4220019	Protocol
4220021	Regional Specialty Center

Data Element Comment

Required if Patient Transported

eDisposition.21 - Type of Destination

Definition

The type of destination the patient was delivered or transferred to

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_17	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4221001	Home
4221003	Hospital-Emergency Department
4221005	Hospital-Non-Emergency Department Bed
4221007	Medical Office/Clinic
4221009	Morgue/Mortuary
4221011	Nursing Home/Assisted Living Facility
4221013	Other (Not Listed)
4221015	Other EMS Responder (air)
4221017	Other EMS Responder (ground)
4221019	Police/Jail
4221021	Urgent Care
4221023	Freestanding Emergency Department

Data Element Comment

Required if Patient Transported by EMS.

eDisposition.24 - Destination Team Pre-Arrival Alert or Activation

Definition

Activation of the Destination Healthcare Facility Team prior to EMS arrival for acute ill or injured patient.

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

Associated Performance Measure Initiatives

Cardiac Arrest STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
4224001	No
4224003	Yes-Adult Trauma
4224005	Yes-Cardiac Arrest
4224007	Yes-Obstetrics
4224009	Yes-Other
4224011	Yes-Pediatric Trauma
4224013	Yes-STEMI
4224015	Yes-Stroke
4224017	Yes-Trauma (General)

Data Element Comment

Version 3 Changes Implemented

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

eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation

Definition

The Date/Time EMS alerted, notified, or activated the Destination Healthcare Facility prior to EMS arrival. The EMS assessment identified the patient as acutely ill or injured based on exam and possibly specified alert criteria

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

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Constraints

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

Pattern

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

Data Element Comment

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

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

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

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

Version 3 Changes Implemented

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

itDisposition.032 – Received from Agency ID

Definition

The code of the EMS agency from which your agency received the patient.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	IT5_2	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

itDisposition.035 – Transferred to Agency ID

Definition

The code of the EMS agency to which your agency transferred the patient

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	IT5_4	Is Nillable	Yes
AZ-PIERS Usage	Required	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Constraints

Data Type	minLength	maxLength
string	2	50

Data Element Comment

eCustomResults

eCustomResults.01 - Custom Data Element Result

Definition

The actual value or values chosen (if values listed in eCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element

National Element	Mandatory	Pertinent Negatives (PN)	Yes
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
AZ-PIERS Usage	As needed	Recurrence	1 : M

Attributes

NOT Values (NV)

Pertinent Negatives (PN)

NV

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

PN

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

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

Version 3 Changes Implemented

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

eCustomResults.02 - Custom Element ID Referenced

Definition

References the CustomElementID attribute for dCustomConfiguration.CustomGroup

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

Constraints

Data Type	minLength	maxLength
string	1	100000

Data Element Comment

eCustomResults.03 - CorrelationID of PatientCareReport Element or Group

Definition

References the CorrelationID attribute of an element or group in the PatientCareReport section

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
AZ-PIERS Usage	As needed	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	100000

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