

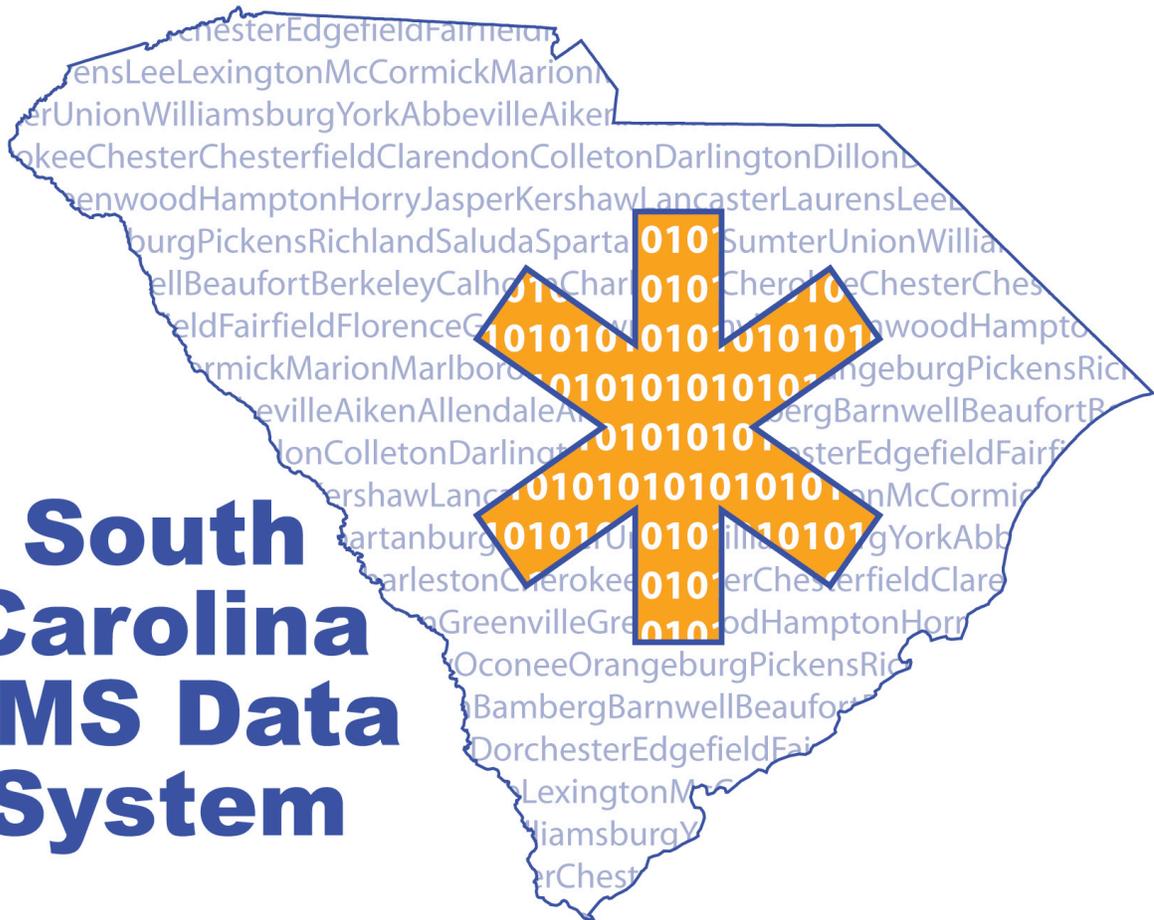
Monday 12th May, 2008

The following updates were made to the data elements required by the state of South Carolina in the SC EMS Data System.

1. Data elements E03_03, E05_12, E14_06, E14_13, and E19_09 were added. They are required for the EMS Toolkits to properly function.
2. A new copy of the NHTSA Version 2.2.1 dataset was used to generate this to correct some data element inconsistencies which have been corrected since the original SC EMS Data Dictionary was generated. This is now current and consistent with the posted NEMSIS data dictionaries.
3. A new table was inserted in the data dictionary to better identify the data elements required by SC
4. All of the Demographic data elements were removed from the data dictionary. They no longer need to be listed in the data dictionary since they will be included in CIS as the baseline configuration for each EMS Agency.

Please be advised that the published data dictionary; [Data Dictionary Based on the NHTSA Version 2.2.1\(2006\) revised 5/12/2008](#) supersedes all others.

South Carolina EMS Data System



www.EMSPIC.org

Data Dictionary Based on the NHTSA Version 2.2.1(2006)

Funded by
National Highway Traffic Safety Administration (NHTSA)
EMS Division

www.NEMESIS.org

NHTSA Uniform PreHospital EMS Dataset Version 2.2.1

National EMS Information Agency Project (NEMESIS)

www.nemesis.org

In 1994, Version 1 of the National Highway Traffic Safety Administration's Uniform PreHospital EMS Dataset was created through a consensus based national data conference. The NHTSA Version 1 EMS dataset has been acknowledged as the national standard for the EMS industry. The Version 2.2.1 dataset was also created through a national consensus process to update and revise this standard.

The NHTSA EMS Uniform PreHospital Dataset, Version 2.2.1 is composed of three separate components. A Demographic Dataset provides a standardized set of definitions describing an EMS System. An EMS Dataset provides a standardized set of definitions describing an EMS event. The third component of the Version 2.2.1 standard is an XML format and definition created to promote the movement of the Version 2.2.1 data elements between data systems.

Any implementation of the NHTSA Version 2.2.1 dataset must include the use of the Demographic dataset, EMS dataset, and XML standard. This document provides over 400 definitions which can be implemented by an EMS system. The National EMS Information System Initiative (NEMESIS) serves to provide technical assistance for the implementation of the dataset. National data elements are defined which should be collected by a National EMS Database but additional data elements should be considered for use at the state and local levels depending on each state or local EMS systems need. The goal of NEMESIS is to establish an EMS data system at the local, state, and national levels. Please see www.nemesis.org for more information.

Information provided in this document includes the following:

- * Name of the Data Element
- * Definition of the Data Element
- * Data Type of the Data Element (many data elements have comments provided to assist in the implementation of a database schema and the NHTSA Version 2 XML standard)
- * How to deal with missing or incomplete information (See Missing Data or Null Values below)
- * The Variables associated with each Data Element
- * What Data Elements are associated with the Data Element (for example Date/Time Medication Administered is associated with each Medication Given Data Element)
- * Whether the Data Element is part of the Data Elements to be collected in the National EMS Database (NDB)
- * Whether the Data Element is part of the medical record information (Patient Care Report) or is a quality management Data Element to be used internally by the EMS system and protected by Peer Review.
- * What Reports are possible through the use of the Data Element
- * Who is responsible for collecting the Data Element
- * How the Data Element is related to other National Data Tools such as NHTSA Version 1, NFIRS, and Utstein

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E01_01	Patient Care Report Number	✓	X
E01_02	Software Creator	✓	X
E01_03	Software Name	✓	X
E01_04	Software Version	✓	X
E02_01	EMS Agency Number	✓	X
E02_02	Incident Number	✓	X
E02_03	EMS Unit (Vehicle) Response Number	✓	X
E02_04	Type of Service Requested	✓	X
E02_05	Primary Role of the Unit	✓	X
E02_06	Type of Dispatch Delay	✓	X
E02_07	Type of Response Delay	✓	X
E02_08	Type of Scene Delay	✓	X
E02_09	Type of Transport Delay	✓	X
E02_10	Type of Turn-Around Delay	✓	X
E02_11	EMS Unit/Vehicle Number		X
E02_12	EMS Unit Call Sign (Radio Number)	✓	X
E02_13	Vehicle Dispatch Location		
E02_14	Vehicle Dispatch Zone		
E02_15	Vehicle Dispatch GPS Location		
E02_16	Beginning Odometer of Responding Vehicle		X
E02_17	On-Scene Odometer of Responding Vehicle		X
E02_18	Patient Destination Odometer of Responding Vehicle		X
E02_19	Ending Odometer Reading of Responding Vehicle		X
E02_20	Response Mode to Scene	✓	X
E03_01	Complaint Reported by Dispatch	✓	X
E03_02	EMD Performed	✓	X
E03_03	EMD Card Number		X
E04_01	Crew Member ID		X
E04_02	Crew Member Role		X
E04_03	Crew Member Level		X
E05_01	Incident or Onset Date/Time		X
E05_02	PSAP Call Date/Time	✓	X
E05_03	Dispatch Notified Date/Time		X
E05_04	Unit Notified by Dispatch Date/Time	✓	X
E05_05	Unit En Route Date/Time	✓	X
E05_06	Unit Arrived on Scene Date/Time	✓	X
E05_07	Arrived at Patient Date/Time	✓	X
E05_08	Transfer of Patient Care Date/Time		X
E05_09	Unit Left Scene Date/Time	✓	X

South Carolina State EMS Dataset

Data Element (Red = NEMESIS National EMS Database Elements)		National Database	SC
E05_10	Patient Arrived at Destination Date/Time	✓	X
E05_11	Unit Back in Service Date/Time	✓	X
E05_12	Unit Cancelled Date/Time		X
E05_13	Unit Back at Home Location Date/Time	✓	X
E06_01	Last Name		X
E06_02	First Name		X
E06_03	Middle Initial/Name		X
E06_04	Patient's Home Address		X
E06_05	Patient's Home City		X
E06_06	Patient's Home County		X
E06_07	Patient's Home State		X
E06_08	Patient's Home Zip Code	✓	X
E06_09	Patient's Home Country		
E06_10	Social Security Number		
E06_11	Gender	✓	X
E06_12	Race	✓	X
E06_13	Ethnicity	✓	X
E06_14	Age	✓	X
E06_15	Age Units	✓	X
E06_16	Date of Birth		X
E06_17	Primary or Home Telephone Number		
E06_18	State Issuing Driver's License		
E06_19	Driver's License Number		
E07_01	Primary Method of Payment	✓	X
E07_02	Certificate of Medical Necessity		
E07_03	Insurance Company ID/Name		X
E07_04	Insurance Company Billing Priority		
E07_05	Insurance Company Address		
E07_06	Insurance Company City		
E07_07	Insurance Company State		
E07_08	Insurance Company Zip Code		
E07_09	Insurance Group ID/Name		
E07_10	Insurance Policy ID Number		
E07_11	Last Name of the Insured		
E07_12	First Name of the Insured		
E07_13	Middle Initial/Name of the Insured		
E07_14	Relationship to the Insured		
E07_15	Work-Related		X
E07_16	Patient's Occupational Industry		X

South Carolina State EMS Dataset

Data Element (Red = NEMESIS National EMS Database Elements)		National Database	SC
E07_17	Patient's Occupation		
E07_18	Closest Relative/Guardian Last Name		
E07_19	First Name of the Closest Relative/ Guardian		
E07_20	Middle Initial/Name of the Closest Relative/ Guardian		
E07_21	Closest Relative/ Guardian Street Address		
E07_22	Closest Relative/ Guardian City		
E07_23	Closest Relative/ Guardian State		
E07_24	Closest Relative/ Guardian Zip Code		
E07_25	Closest Relative/ Guardian Phone Number		
E07_26	Closest Relative/ Guardian Relationship		
E07_27	Patient's Employer		
E07_28	Patient's Employer's Address		
E07_29	Patient's Employer's City		
E07_30	Patient's Employer's State		
E07_31	Patient's Employer's Zip Code		
E07_32	Patient's Work Telephone Number		
E07_33	Response Urgency		X
E07_34	CMS Service Level	✓	X
E07_35	Condition Code Number	✓	X
E07_36	ICD-9 Code for the Condition Code Number		X
E07_37	Air Ambulance Modifier for Condition Code Number		X
E08_01	Other EMS Agencies at Scene		X
E08_02	Other Services at Scene		X
E08_03	Estimated Date/Time Initial Responder Arrived on Scene		X
E08_04	Date/Time Initial Responder Arrived on Scene		X
E08_05	Number of Patients at Scene	✓	X
E08_06	Mass Casualty Incident	✓	X
E08_07	Incident Location Type	✓	X
E08_08	Incident Facility Code		
E08_09	Scene Zone Number		
E08_10	Scene GPS Location		
E08_11	Incident Address		X
E08_12	Incident City		X
E08_13	Incident County		X
E08_14	Incident State		X
E08_15	Incident ZIP Code	✓	X
E09_01	Prior Aid	✓	X
E09_02	Prior Aid Performed by	✓	X
E09_03	Outcome of the Prior Aid	✓	X

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E09_04	Possible Injury	✓	X
E09_05	Chief Complaint		X
E09_06	Duration of Chief Complaint		X
E09_07	Time Units of Duration of Chief Complaint		X
E09_08	Secondary Complaint Narrative		X
E09_09	Duration of Secondary Complaint		X
E09_10	Time Units of Duration of Secondary Complaint		X
E09_11	Chief Complaint Anatomic Location	✓	X
E09_12	Chief Complaint Organ System	✓	X
E09_13	Primary Symptom	✓	X
E09_14	Other Associated Symptoms	✓	X
E09_15	Providers Primary Impression	✓	X
E09_16	Provider's Secondary Impression	✓	X
E10_01	Cause of Injury	✓	X
E10_02	Intent of the Injury		X
E10_03	Mechanism of Injury		X
E10_04	Vehicular Injury Indicators		X
E10_05	Area of the Vehicle impacted by the collision		X
E10_06	Seat Row Location of Patient in Vehicle		X
E10_07	Position of Patient in the Seat of the Vehicle		X
E10_08	Use of Occupant Safety Equipment		X
E10_09	Airbag Deployment		X
E10_10	Height of Fall		X
E11_01	Cardiac Arrest	✓	X
E11_02	Cardiac Arrest Etiology	✓	X
E11_03	Resuscitation Attempted	✓	X
E11_04	Arrest Witnessed by		X
E11_05	First Monitored Rhythm of the Patient		X
E11_06	Any Return of Spontaneous Circulation		X
E11_07	Neurological Outcome at Hospital Discharge		
E11_08	Estimated Time of Arrest Prior to EMS Arrival		X
E11_09	Date/Time Resuscitation Discontinued		X
E11_10	Reason CPR Discontinued		X
E11_11	Cardiac Rhythm on Arrival at Destination		X
E12_01	Barriers to Patient Care	✓	X
E12_02	Sending Facility Medical Record Number		X
E12_03	Destination Medical Record Number		X
E12_04	First Name of Patient's Primary Practitioner		
E12_05	Middle Name of Patient's Primary Practitioner		

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E12_06	Last Name of Patient's Primary Practitioner		
E12_07	Advanced Directives		X
E12_08	Medication Allergies		X
E12_09	Environmental/Food Allergies		X
E12_10	Medical/Surgical History		
E12_11	Medical History Obtained From		
E12_12	Immunization History		
E12_13	Immunization Date		
E12_14	Current Medications		X
E12_15	Current Medication Dose		X
E12_16	Current Medication Dosage Unit		X
E12_17	Current Medication Administration Route		
E12_18	Presence of Emergency Information Form		
E12_19	Alcohol/Drug Use Indicators	✓	X
E12_20	Pregnancy		
E13_01	Run Report Narrative		X
E14_01	Date/Time Vital Signs Taken		X
E14_02	Obtained Prior to this Units EMS Care		X
E14_03	Cardiac Rhythm		X
E14_04	SBP (Systolic Blood Pressure)		X
E14_05	DBP (Diastolic Blood Pressure)		X
E14_06	Method of Blood Pressure Measurement		X
E14_07	Pulse Rate		X
E14_08	Electronic Monitor Rate		X
E14_09	Pulse Oximetry		X
E14_10	Pulse Rhythm		X
E14_11	Respiratory Rate		X
E14_12	Respiratory Effort		X
E14_13	Carbon Dioxide		X
E14_14	Blood Glucose Level		X
E14_15	Glasgow Coma Score-Eye		X
E14_16	Glasgow Coma Score-Verbal		X
E14_17	Glasgow Coma Score-Motor		X
E14_18	Glasgow Coma Score-Qualifier		X
E14_19	Total Glasgow Coma Score		X
E14_20	Temperature		X
E14_21	Temperature Method		X
E14_22	Level of Responsiveness		X
E14_23	Pain Scale		X

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E14_24	Stroke Scale		X
E14_25	Thrombolytic Screen		X
E14_26	APGAR		X
E14_27	Revised Trauma Score		X
E14_28	Pediatric Trauma Score		X
E15_01	NHTSA Injury Matrix External/Skin		
E15_02	NHTSA Injury Matrix Head		
E15_03	NHTSA Injury Matrix Face		
E15_04	NHTSA Injury Matrix Neck		
E15_05	NHTSA Injury Matrix Thorax		
E15_06	NHTSA Injury Matrix Abdomen		
E15_07	NHTSA Injury Matrix Spine		
E15_08	NHTSA Injury Matrix Upper Extremities		
E15_09	NHTSA Injury Matrix Pelvis		
E15_10	NHTSA Injury Matrix Lower Extremities		
E15_11	NHTSA Injury Matrix Unspecified		
E16_01	Estimated Body Weight		X
E16_02	Broselow/Luten Color		
E16_03	Date/Time of Assessment		
E16_04	Skin Assessment		X
E16_05	Head/Face Assessment		X
E16_06	Neck Assessment		X
E16_07	Chest/Lungs Assessment		X
E16_08	Heart Assessment		X
E16_09	Abdomen Left Upper Assessment		X
E16_10	Abdomen Left Lower Assessment		X
E16_11	Abdomen Right Upper Assessment		X
E16_12	Abdomen Right Lower Assessment		X
E16_13	GU Assessment		X
E16_14	Back Cervical Assessment		X
E16_15	Back Thoracic Assessment		X
E16_16	Back Lumbar/Sacral Assessment		X
E16_17	Extremities-Right Upper Assessment		X
E16_18	Extremities-Right Lower Assessment		X
E16_19	Extremities-Left Upper Assessment		X
E16_20	Extremities-Left Lower Assessment		X
E16_21	Eyes-Left Assessment		X
E16_22	Eyes-Right Assessment		X
E16_23	Mental Status Assessment		X

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E16_24	Neurological Assessment		X
E17_01	Protocols Used		X
E18_01	Date/Time Medication Administered		X
E18_02	Medication Administered Prior to this Units EMS Care		X
E18_03	Medication Given	✓	X
E18_04	Medication Administered Route		X
E18_05	Medication Dosage		X
E18_06	Medication Dosage Units		X
E18_07	Response to Medication		X
E18_08	Medication Complication	✓	X
E18_09	Medication Crew Member ID		X
E18_10	Medication Authorization		
E18_11	Medication Authorizing Physician		X
E19_01	Date/Time Procedure Performed Successfully		X
E19_02	Procedure Performed Prior to this Units EMS Care		X
E19_03	Procedure	✓	X
E19_04	Size of Procedure Equipment		X
E19_05	Number of Procedure Attempts	✓	X
E19_06	Procedure Successful	✓	X
E19_07	Procedure Complication	✓	X
E19_08	Response to Procedure		X
E19_09	Procedure Crew Members ID		X
E19_10	Procedure Authorization		
E19_11	Procedure Authorizing Physician		X
E19_12	Successful IV Site		X
E19_13	Tube Confirmation		X
E19_14	Destination Confirmation of Tube Placement		X
E20_01	Destination/Transferred To, Name		X
E20_02	Destination/Transferred To, Code		X
E20_03	Destination Street Address		X
E20_04	Destination City		X
E20_05	Destination State		X
E20_06	Destination County		X
E20_07	Destination Zip Code	✓	X
E20_08	Destination GPS Location		
E20_09	Destination Zone Number		
E20_10	Incident/Patient Disposition	✓	X
E20_11	How Patient Was Moved to Ambulance		X
E20_12	Position of Patient During Transport		X

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E20_13	How Patient Was Transported From Ambulance		X
E20_14	Transport Mode from Scene	✓	X
E20_15	Condition of Patient at Destination		X
E20_16	Reason for Choosing Destination	✓	X
E20_17	Type of Destination	✓	X
E21_01	Event Date/Time		
E21_02	Medical Device Event Name		
E21_03	Waveform Graphic Type		
E21_04	Waveform Graphic		
E21_05	AED, Pacing, or CO2 Mode		X
E21_06	ECG Lead		X
E21_07	ECG Interpretation		X
E21_08	Type of Shock		
E21_09	Shock or Pacing Energy		X
E21_10	Total Number of Shocks Delivered		X
E21_11	Pacing Rate		X
E21_12	Device Heart Rate		X
E21_13	Device Pulse Rate		
E21_14	Device Systolic Blood Pressure		
E21_15	Device Diastolic Blood Pressure		
E21_16	Device Respiratory Rate		
E21_17	Device Pulse Oximetry		
E21_18	Device CO2 or etCO2		
E21_19	Device CO2, etCO2, or Invasive Pressure Monitor Units		
E21_20	Device Invasive Pressure Mean		
E22_01	Emergency Department Disposition	✓	X
E22_02	Hospital Disposition	✓	X
E22_03	Law Enforcement/Crash Report Number		
E22_04	Trauma Registry ID		X
E22_05	Fire Incident Report Number		
E22_06	Patient ID Band/Tag Number		X
E23_01	Review Requested		
E23_02	Potential Registry Candidate		
E23_03	Personal Protective Equipment Used		X
E23_04	Suspected Intentional, or Unintentional Disaster		X
E23_05	Suspected Contact with Blood/Body Fluids, EMS Injury/Death		X
E23_06	Type of Suspected Blood/Body Fluid Exposure, Injury, or Death		X
E23_07	Personnel Exposed		X
E23_08	Required Reportable Conditions		X

South Carolina State EMS Dataset

Data Element (Red = NEMSIS National EMS Database Elements)		National Database	SC
E23_09	Research Survey Field		
E23_10	Who Generated this Report?		X
E23_11	Research Survey Field Title		

Common EMS Values

COMMON NULL VALUES

E00

Data [combo] single-choice

Definition

These values are to be used in each of the Demographic and EMS Data Elements described in this document which have been defined to accept the E00 Null Values. Please include these variables in the implementation of the NHTSA Version 2 Dataset.

Field Values

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

Additional Information

- For any collection of data to be of value and reliably represent what was intended, a strong commitment must be made to ensure the correct documentation of incomplete data. The described data integrity method must be followed with the NHTSA dataset. For data elements being electronically stored in a database or moved from one database to another using XML, the indicated values should be applied when a data element is empty or contains a null value.
- Not Applicable: (Code -25) = At the time of an EMS patient care report documentation, information requested was “Not Applicable” to the EMS or patient event. This indicates that it is unnecessary to document mechanism or injury related information on a patient who was not traumatized
- Not Available: (Code -5) = At the time of an EMS patient care report documentation, information was “Not Available” to EMS personnel. This documents that needed information did exist but the EMS personnel was unsuccessful in their attempt to obtain it
- Not Known: (Code -10) = At the time of an EMS patient care report documentation, information was “Not Known” to patient, family, and EMS personnel. This documents that there was an attempt to obtain information but it was unknown by all parties involved
- Not Recorded: (Code -20) = If an EMS documentation or information system has an empty field or nothing is recorded in any data element of the NHTSA dataset, code “-20” should be inserted into the database and/or XML for that data element indicating that the EMS Patient Care Report did not have a value for that specific data element when the EMS event or patient encounter was documented
- Not Reporting: (Code -15) = If an EMS documentation or information system is not using any of the "National" data elements of the NHTSA dataset, code “-15” should be inserted into the database and/or XML for that data element.

Record Information

PATIENT CARE REPORT NUMBER

E01_01

Data [text]

National Element

Definition

The unique number automatically assigned by the EMS agency for each patient care report (PCR). This is a unique number to the EMS agency for all of time.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>PatientCareReportNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	32

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

- A component of the EMS Medical Record: Patient Care Report
- Agency number (E02_01), agency state (D01_03), unit call sign (E02_12), patient number (E01_01) and date (E05_04) combine to create a unique identifier

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 23 Patient Care Record Number

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Number; Unique Number

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareCreatedBy*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

SOFTWARE NAME

E01_03

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareName*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

SOFTWARE VERSION

E01_04

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareVersion*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

Unit/ Agency Information

EMS AGENCY NUMBER

E02_01

Data [text]

National Element

Definition

The state-assigned provider number of the responding agency

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

- A component of the EMS Medical Record: Patient Care Report
- Agency number (E02_01), agency state (D01_03), unit call sign (E02_12), patient number (E01_01) and date (E05_04) combine to create a unique identifier
- Allows data to be sorted by the EMS Agency
- Important for grouping and comparing EMS Agencies in Benchmarking and Quality Management
- When linked to D01_02 provides the Agency name on the EMS Medical Record: Patient Care Report

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

- NFIRS 5.0 EMS Module; Title: FDID; State assigned Fire Department ID number

INCIDENT NUMBER

E02_02

Data [text]

Definition

The incident number assigned by the 911 Dispatch System

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 21 Incident Number

References to Other Databases

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

EMS UNIT (VEHICLE) RESPONSE NUMBER

E02_03

Data [text]

Definition

The internal EMS response number which is unique for each EMS unit's (vehicles) response to an incident within an agency.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EMSUnitResponseNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in XSD	No	Minimum Constraint	1
		Maximum Constraint	15

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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References in NHTSA Version 1

Essential Element 22 Response Number

TYPE OF SERVICE REQUESTED

E02_04

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfServiceRequested*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

30 911 Response (Scene)

35 Intercept

40 Interfacility Transfer

45 Medical Transport

50 Mutual Aid

55 Standby

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 20 Service Type

PRIMARY ROLE OF THE UNIT

E02_05

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PrimaryRollOfTheUnit*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

60 Non-Transport

65 Rescue

70 Supervisor

75 Transport

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

TYPE OF DISPATCH DELAY

E02_06

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfDispatchDelay*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

80 Caller (Uncooperative)

85 High Call Volume

90 Language Barrier

95 Location (Inability to Obtain)

100 No Units Available

105 None

110 Other

115 Scene Safety (Not Secure for EMS)

120 Technical Failure (Computer, Phone etc.)

Uses

- Allows data to describe the status of Dispatch issues

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

TYPE OF RESPONSE DELAY

E02_07

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfResponseDelay*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

130 Directions

140 Diversion

150 None

160 Safety

170 Traffic

180 Vehicle Failure

-20 Not Recorded

-10 Not Known

125 Crowd

135 Distance

145 HazMat

155 Other

165 Staff Delay

175 Vehicle Crash

185 Weather

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

TYPE OF SCENE DELAY

E02_08

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfSceneDelay*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

TYPE OF TRANSPORT DELAY

E02_09

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfTransportDelay*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

270 Directions

280 Diversion

290 None

300 Safety

310 Traffic

320 Vehicle Failure

-20 Not Recorded

-10 Not Known

265 Crowd

275 Distance

285 HazMat

295 Other

305 Staff Delay

315 Vehicle Crash

325 Weather

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

TYPE OF TURN-AROUND DELAY

E02_10

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfTurnAroundDelay*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

330 Clean-up

335 Decontamination

340 Documentation

345 ED Overcrowding

350 Equipment Failure

355 Equipment Replenishment

360 None

365 Other

370 Staff Delay

375 Vehicle Failure

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

EMS UNIT/VEHICLE NUMBER

E02_11

Data [combo] single-choice

Definition

The unique physical vehicle number of the responding unit

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>EMSUnitNumber</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in XSD No	Minimum Constraint 2 Maximum Constraint 30

Field Values

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

Additional Information

- List box created from EMS Unit/Vehicle Number (D06_01)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data at the vehicle level to better describe EMS vehicle usage and possibly maintenance
- Important for grouping or comparing data by Response Vehicle which also allows data to be sorted by location in many agencies

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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References in NHTSA Version 1

Essential Element 24 Agency/Unit Number

EMS UNIT CALL SIGN (RADIO NUMBER)

E02_12

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *EMSUnitCallSign*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 15

Field Values

Additional Information

- List box created from Unit Call Sign (D04_02)
- Not Nullable. A unique value must be provided to create a unique record ID within a database

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

BEGINNING ODOMETER READING OF RESPONDING VEHICLE

E02_16

Data [number]

Definition

The mileage (odometer reading) of the vehicle at the beginning of the call (when the wheels begin moving)

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *OdometerReading*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 1,000,000

Field Values

Additional Information

- Number recorded with one digit to the right of decimal

Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

ON-SCENE ODOMETER READING OF RESPONDING VEHICLE

E02_17

Data [number]

Definition

The mileage (odometer reading) of the vehicle when it arrives at the patient

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *OdometerReading*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 1,000,000

Field Values

Additional Information

- Number recorded with one digit to the right of decimal

Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

PATIENT DESTINATION ODOMETER READING OF RESPONDING VEHICLE

E02_18

Data [number]

Definition

The mileage (odometer reading) of the vehicle when it arrives at the patient's destination

XSD Data Type	<i>xs:decimal</i>	XSD Domain (Simple Type)	<i>OdometerReading</i>
Multiple Entry Configuration	No	Accepts Null Values	No
Required in XSD	No	Minimum Constraint	0
		Maximum Constraint	1,000,000

Field Values

Additional Information

- Number recorded with one digit to the right of decimal

Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

ENDING ODOMETER READING OF RESPONDING VEHICLE

E02_19

Data [number]

Definition

The ending mileage (odometer reading) of the vehicle (at time back in service)

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *OdometerReading*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 1,000,000

Field Values

Additional Information

- Number recorded with one digit to the right of decimal

Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

RESPONSE MODE TO SCENE

E02_20

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ResponseModeToScene*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

380 Initial Lights and Sirens, Downgraded to No Lights or Sirens

385 Initial No Lights or Sirens, Upgraded to Lights and Sirens

390 Lights and Sirens

395 No Lights or Sirens

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 19 Lights and Sirens to Scene

Unit/ Call Information

COMPLAINT REPORTED BY DISPATCH

E03_01

Data [combo] single-choice

National Element

Definition

The complaint dispatch reported to the responding unit.

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	400 Abdominal Pain
405 Allergies	410 Animal Bite
415 Assault	420 Back Pain
425 Breathing Problem	430 Burns
435 CO Poisoning/Hazmat	440 Cardiac Arrest
445 Chest Pain	450 Choking
455 Convulsions/Seizure	460 Diabetic Problem
465 Drowning	470 Electrocutation
475 Eye Problem	480 Fall Victim
485 Headache	490 Heart Problems
495 Heat/Cold Exposure	500 Hemorrhage/Laceration
505 Industrial Accident/Inaccessible Incident/Other Entrapments (non-vehicle)	510 Ingestion/Poisoning
515 Pregnancy/Childbirth	520 Psychiatric Problem
525 Sick Person	530 Stab/Gunshot Wound
535 Stroke/CVA	540 Traffic Accident
545 Traumatic Injury	550 Unconscious/Fainting
555 Unknown Problem Man Down	560 Transfer/Interfacility/Palliative Care
565 MCI (Mass Casualty Incident)	

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

NHTSA EMD Data Elements Chief Complaint Types

EMD PERFORMED

E03_02

Data [combo] single-choice

National Element

Definition

Indication of whether EMD was performed for this EMS event.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EMDPerformed*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

570 Yes, With Pre-Arrival Instructions

575 Yes, Without Pre-Arrival Instructions

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

EMD CARD NUMBER

E03_03

Data [text]

Definition

The EMD card number reported by dispatch, consisting of the card number, dispatch level, and dispatch mode

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>EMDCardNumber</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in XSD No	Minimum Constraint 1 Maximum Constraint 10

Field Values

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

Additional Information

- The alpha-numeric value (grouped or concatenated) associated with the EMD card number, followed by the Dispatch Level, followed by the Dispatch Mode

Uses

- Provides important data associated with the telephone triage and categorization of the EMS event
- Used for evaluating and comparing dispatch and on-scene evaluations

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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Unit/ Personnel Information

CREW MEMBER ID

E04_01

Data [text]

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *CrewMemberID*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 15

XSD Structure: E04_01, E04_02, E04_03 are all members of the E04 Unit Personnel Information structure

Field Values

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

Additional Information

- A multiple entry configuration to allow all crew members to be entered
- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/ Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, D08_02, and D08_03 for easy data entry

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E04_02 Crew Member Role	E04_03 Crew Member Level

References in NHTSA Version 1

Essential	Element 26	Crew Member One Number
Essential	Element 27	Crew Member Two Number
Desirable	Element 28	Crew Member Three Number

CREW MEMBER ROLE

E04_02

Data [combo] single-choice

Definition

The role of the crew member during transport of this call.

- Driver is defined as the driver during the time of patient transport or during the response if there was not transport required.
- Primary Patient Care Giver is defined as the individual responsible for the patient care during the transport of the patient, or if no transport, the individual responsible for the assessment and treatment of the patient on scene.
- Secondary Patient Care Giver is defined as the individual assisting the Primary Patient Care Giver.
- Third Patient Care Giver is defined as the individual assisting in the Primary and Secondary Patient Care Givers.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CrewMemberRole*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD No

XSD Structure: E04_01, E04_02, E04_03 are all members of the E04 Unit Personnel Information structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

580 Driver

585 Primary Patient Caregiver

590 Secondary Patient Caregiver

595 Third Patient Caregiver

600 Other

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E04_01 Crew Member ID

E04_03 Crew Member Level

CREW MEMBER LEVEL

E04_03

Data [combo] single-choice

Definition

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

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

Required in XSD No

XSD Structure: E04_01, E04_02, E04_03 are all members of the E04 Unit Personnel Information structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	635 Student
640 Other Healthcare Professional	645 Other Non-Healthcare Professional
6090 EMT-Basic	6100 EMT-Intermediate
6110 EMT-Paramedic	6111 Nurse
6112 Physician	6120 First Responder

Additional Information

- Could be auto-filled using Crew Member ID (E04_01) and connecting to State/ Licensure ID Number (D07_02) to obtain Personnel's Highest Level of Certification/ Licensure for Agency (D07_05)
- This list can be edited by each state to account for additional certification/ licensure levels as defined in (D04_01) and Personnel's Highest Level of Certification/ Licensure for the Agency (D07_05)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E04_01 Crew Member ID	E04_02 Crew Member Role

References in NHTSA Version 1

Essential	Element 29	Crew Member One Type
Essential	Element 30	Crew Member Two Type
Desirable	Element 31	Crew Member Three Type

References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Highest Level of Provider on Scene by Fire Department, Pick-List: First Responder = 1, EMT-B (Basic) = 2, EMT-I (Intermediate) = 3, EMT-P (Paramedic) = 4, Other Health Care Provider, Include Doctors, Nurses = O, No Care Provided = N
- **NFIRS 5.0** EMS Module; Title: Initial Level of FD Provider; Pick-List: First Responder = 1, EMT-B (Basic) = 2, EMT-I (Intermediate) = 3, EMT-P (Paramedic) = 4, Other Health Care Provider, Includes Doctors, Nurses, etc. = O, No Training = N

Times

INCIDENT OR ONSET DATE/TIME

E05_01

Data [date/time]

Definition

The date/time the injury occurred, or the date/time the symptoms or problem started

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD No

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

Field Values

Additional Information

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

Uses

- Important to identify when the clinical event started to better analyze EMS resource utilization and outcomes
- Provides descriptive information on the use of the EMS agency

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 06 Onset Date

Desirable Element 07 Onset Time

References to Other Databases

- NFIRS 5.0 Basic Module 1; Title: Incident Date; Date Field defined as YYYYMMDD or blank

PSAP CALL DATE/TIME

E05_02

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 08 Date Incident Reported

Essential Element 09 Time Incident Reported

References to Other Databases

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

DISPATCH NOTIFIED DATE/TIME

E05_03

Data [date/time]

Definition

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

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 10 Time Dispatch Notified

UNIT NOTIFIED BY DISPATCH DATE/TIME

E05_04

Data [date/time]

National Element

Definition

The date the responding unit was notified by dispatch

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- Not Nullable. A unique value must be provided to create a unique record ID within a database

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 11 Date Unit Notified

Essential Element 12 Time Unit Notified

UNIT EN ROUTE DATE/TIME

E05_05

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 13 Time Unit Responding

UNIT ARRIVED ON SCENE DATE/TIME

E05_06

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 14 Time of Arrival at Scene

ARRIVED AT PATIENT DATE/TIME

E05_07

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

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

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 15 Time of Arrival at Patient

References to Other Databases

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

TRANSFER OF PATIENT CARE DATE/TIME

E05_08

Data [date/time]

Definition

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

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

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

UNIT LEFT SCENE DATE/TIME

E05_09

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 16 Time Unit Left Scene

PATIENT ARRIVED AT DESTINATION DATE/TIME

E05_10

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 17 Time of Arrival at Destination

UNIT BACK IN SERVICE DATE/TIME

E05_11

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 18 Time Back in Service

UNIT CANCELLED DATE/TIME

E05_12

Data [date/time]

Definition

The date/time if the unit's call was cancelled

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

Field Values

Additional Information

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

Uses

- Allows for reports to be generated better evaluating EMS response and usage patterns

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

UNIT BACK AT HOME LOCATION DATE/TIME

E05_13

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

Patient

LAST NAME

E06_01

Data [text]

Definition

The patient's last (family) name

XSD Data Type *xs:string*

XSD Domain (Simple Type) *LastName*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 20

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_02 First Name

E06_03 Middle Initial/Name

References in NHTSA Version 1

Essential Element 32 Patient Name

FIRST NAME

E06_02

Data [text]

Definition

The patient's first (given) name

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *FirstName*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 20
XSD Structure: E06_01, E06_02, and E06_03 are all members of the E06_01_0 Patient Name Structure

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_01 Last Name	E06_03 Middle Initial/Name

References in NHTSA Version 1

Essential Element 32 Patient Name

MIDDLE INITIAL/NAME

E06_03

Data [text]

Definition

The patient's middle name, if any

XSD Data Type *xs:string*

XSD Domain (Simple Type) *MiddleInitialName*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 1

Maximum Constraint 20

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_02 First Name

References in NHTSA Version 1

Essential Element 32 Patient Name

PATIENT'S HOME ADDRESS

E06_04

Data [text]

Definition

The patient's home mailing or street address

XSD Data Type *xs:string*

XSD Domain (Simple Type) *StreetAddress*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

XSD Structure: E06_04, E06_05, E06_06, E06_07, E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_07 Patient's Home State

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 33 Patient Street Address

PATIENT'S HOME CITY

E06_05

Data [combo] single-choice

Definition

The patient's home city or township or residence

XSD Data Type *xs:string*

XSD Domain (Simple Type) *City*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

XSD Structure: E06_04, E06_05, E06_07, E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_06 Patient's Home County

E06_07 Patient's Home State

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 34 City of Residence

PATIENT'S HOME COUNTY

E06_06

Data [combo] single-choice

Definition

The patient's home county or parish or residence

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_01 Last Name	E06_04 Patient's Home Address
E06_05 Patient's Home City	E06_07 Patient's Home State
E06_08 Patient's Home Zip Code	

References in NHTSA Version 1

Desirable Element 35 County of Residence

PATIENT'S HOME STATE

E06_07

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 3

XSD Structure: E06_04, E06_05, E06_06, E06_07, E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Patient's Home Zip (E06_08)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 36 State of Residence

PATIENT'S HOME ZIP CODE

E06_08

Data [text]

National Element

Definition

The patient's home ZIP code of residence

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 10

XSD Structure: E06_04, E06_05, E06_07, E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- Can be stored as a 5 or 9 digit code

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_07 Patient's Home State

References in NHTSA Version 1

Essential Element 37 Zip Code of Residence

GENDER

E06_11

Data [combo] single-choice

National Element

Definition

The patient's gender

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Gender*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

650 Male

655 Female

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 42 Gender

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Gender; Pick-List: Male = 1, Female = 2

RACE

E06_12

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Race*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

660 American Indian or Alaska Native

665 Asian

670 Black or African American

675 Native Hawaiian or Other Pacific Islander

680 White

685 Other Race

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

References to Other Databases

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

ETHNICITY

E06_13

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Ethnicity*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

690 Hispanic or Latino

695 Not Hispanic or Latino

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

References to Other Databases

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

AGE

E06_14

Data [number]

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Age*

Multiple Entry Configuration No

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

Required in XSD Yes

Minimum Constraint 1

Maximum Constraint 120

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

Field Values

Additional Information

- Could be calculated from Date of Birth (E06_16)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E06_01 Last Name

E06_15 Age Units

References in NHTSA Version 1

Desirable Element 41 Age

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Age; The age of the patient or best approximation. If less than one year then enter the number of months.

AGE UNITS

E06_15

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *AgeUnits*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

700 Hours

705 Days

710 Months

715 Years

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_14 Age

References in NHTSA Version 1

Desirable Element 41 Age

DATE OF BIRTH

E06_16

Data [date]

Definition

The patient's date of birth

XSD Data Type *xs:date*

XSD Domain (Simple Type) *DateOfBirth*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 1,890 **Maximum Constraint** 2,030

Field Values

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 40 Date of Birth

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date of Birth; The date of birth of the patient in MMDDYYYY format.

Billing

PRIMARY METHOD OF PAYMENT

E07_01

Data [combo] single-choice

National Element

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	720 Insurance
725 Medicaid	730 Medicare
735 Not Billed (for any reason)	740 Other Government
745 Self Pay	750 Workers Compensation

Uses

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

Data Collector

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

Other Associated Elements

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

Data [text]

Definition

The ID number of the patient's insurance company

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

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

Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) E07_03, E07_05, E07_06, E07_07, E07_08, E07_09, E07_10, E07_11, E07_12, E07_13, E07_14 are all members of E03 Insurance Structure. (2) E07_05, E07_06, E07_07, and E07_08 are all members of E07_05_0 Insurance Company Address Structure. (3) E07_11, E07_12, E07_13 are all members of E07_11_0 Insured Name Structure

Field Values

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

Additional Information

- Multiple entry configuration required to allow more than one insurance company

Uses

- Key component of an EMS Medical Record for billing

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_01 Last Name	E07_04 Insurance Company Billing Priority
E07_05 Insurance Company Address	E07_06 Insurance Company City
E07_07 Insurance Company State	E07_08 Insurance Company Zip Code
E07_09 Insurance Group ID/Name	E07_10 Insurance Policy ID Number
E07_11 Last Name of the Insured	E07_12 First Name of the Insured
E07_13 Middle Initial/Name of the Insured	E07_14 Relationship to the Insured

WORK-RELATED

E07_15

Data [combo] single-choice

Definition

Indication of whether or not the injury is work related.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Additional Information

- If work related this data point is associated with Patient's Occupational Industry (E07_16) and Patient's Occupation (E07_17)

Uses

- Can be used to better describe injuries along with the Injury specific data
- Key component of an EMS Medical Record for billing

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

PATIENT'S OCCUPATIONAL INDUSTRY

E07_16

Data [combo] single-choice

Definition

The occupational industry of the patient's work

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PatientsOccupationalIndustry*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

790 Construction

795 Finance, Insurance, and Real Estate

800 Government

805 Manufacturing

810 Mining

815 Retail Trade

820 Services

825 Transportation and Public Utilities

830 Wholesale Trade

Additional Information

- Recorded if Work Related (E07_15) also with Patient's Occupation (E07_17)
- US Bureau of Labor Statistics Industry Classification

Uses

- Can be used to better describe injuries along with the Injury specific data
- Key component of an EMS Medical Record for billing

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

RESPONSE URGENCY

E07_33

Data [combo] single-choice

Definition

The urgency in which the EMS agency began to mobilize resources.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ResponseUrgency*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

980 Immediate

985 Non-Immediate

Uses

- Key component of an EMS Medical Record for contact information associated with billing

Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

CMS SERVICE LEVEL

E07_34

Data [combo] single-choice

National Element

Definition

The CMS service level for this EMS encounter.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CMSServiceLevel*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

990 BLS

995 BLS, Emergency

1000 ALS, Level 1

1005 ALS, Level 1 Emergency

1010 ALS, Level 2

1015 Paramedic Intercept

1020 Specialty Care Transport

1025 Fixed Wing (Airplane)

1030 Rotary Wing (Helicopter)

Uses

- Allows data to be quantified and described based on the CMS Service Level
- Allows data to be sorted based on the CMS Service Level
- Important for EMS billing

Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

CONDITION CODE NUMBER

E07_35

Data [combo] multiple-choice

National Element

Definition

The condition codes are used to better describe the service and patient care delivery by an EMS service. Please consult CMS documentation for detailed descriptions of these condition codes and their use.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ConditionCodeNumber*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: E07_35, E07_36 are members of E07_35_0 Condition Codes Structure

Field Values

- | | |
|--|---|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 8001 Severe Abdominal Pain (ALS-789.00) |
| 8002 Abdominal Pain (ALS-789.00) | 8003 Abnormal Cardiac Rhythm/Cardiac Dysrhythmia (ALS-427.9) |
| 8004 Abnormal Skin Signs (ALS-780.8) | 8005 Abnormal Vital Signs (ALS-796.4) |
| 8006 Allergic Reaction (ALS-995.0) | 8007 Allergic Reaction (BLS-692.9) |
| 8008 Blood Glucose (ALS-790.21) | 8009 Respiratory Arrest (ALS-799.1) |
| 8010 Difficulty Breathing (ALS-786.05) | 8011 Cardiac Arrest-Resuscitation in Progress (ALS-427.5) |
| 8012 Chest Pain (non-traumatic) (ALS-786.50) | 8013 Choking Episode (ALS-784.9) |
| 8014 Cold Exposure (ALS-991.6) | 8015 Cold Exposure (BLS-991.9) |
| 8016 Altered Level of Consciousness (non-traumatic) (ALS-780.01) | 8017 Convulsions/Seizures (ALS-780.39) |
| 8018 Eye Symptoms (non-traumatic) (BLS-379.90) | 8019 Non Traumatic Headache (ALS-437.9) |
| 8020 Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1) | 8021 Cardiac Symptoms other than Chest Pain (atypical pain) (ALS-536.2) |
| 8022 Heat Exposure (ALS-992.5) | 8023 Heat Exposure (BLS-992.2) |
| 8024 Hemorrhage (ALS-459.0) | 8025 Infectious Diseases requiring Isolation/Public Health Risk (BLS-038.9) |
| 8026 Hazmat Exposure (ALS-987.9) | 8027 Medical Device Failure (ALS-996.0) |
| 8028 Medical Device Failure (BLS-996.3) | 8029 Neurologic Distress (ALS-436.0) |
| 8030 Pain (Severe) (ALS-780.99) | 8031 Back Pain (non-traumatic possible cardiac or vascular) (ALS-724.5) |
| 8032 Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9) | 8033 Poisons (all routes) (ALS-977.9) |
| 8034 Alcohol Intoxication or Drug Overdose (BLS-305.0) | 8035 Severe Alcohol Intoxication (ALS-977.3) |
| 8036 Post-Operative Procedure Complications (BLS-998.9) | 8037 Pregnancy Complication/Childbirth/Labor (ALS-650.0) |
| 8038 Psychiatric/Behavioral (abnormal mental status) (ALS-292.9) | 8039 Psychiatric/Behavioral (threat to self or others) (BLS-298.9) |
| 8040 Sick Person-Fever (BLS-036.9) | 8041 Severe Dehydration (ALS-787.01) |
| 8042 Unconscious/Syncope/Dizziness (ALS-780.02) | 8043 Major Trauma (ALS-959.8) |
| 8044 Other Trauma (need for monitor or airway) (ALS-518.5) | 8045 Other Trauma (major bleeding) (ALS-958.2) |
| 8046 Other Trauma (fracture/dislocation) (BLS-829.0) | 8047 Other Trauma (penetrating extremity) (BLS-880.0) |
| 8048 Other Trauma (amputation digits) (BLS-886.0) | 8049 Other Trauma (amputation other) (ALS-887.4) |
| 8050 Other Trauma (suspected internal injuries) (ALS-869.0) | 8051 Burns-Major (ALS-949.3) |
| 8052 Burns-Minor (BLS-949.2) | 8053 Animal Bites/Sting/Envenomation (ALS-989.5) |
| 8054 Animal Bites/Sting/Envenomation (BLS-879.8) | 8055 Lightning (ALS-994.0) |
| 8056 Electrocution (ALS-994.8) | 8057 Near Drowning (ALS-994.1) |

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- 8058** Eye Injuries (BLS-921.9)
- 8060** Sexual Assault (minor injuries) (BLS-995.8)
- 8062** Advanced Airway Management (ALS-518.81)
- 8064** Chemical Restraint (ALS-293.0)
- 8066** Airway Control/Positioning Required (BLS-786.09)
- 8068** Patient Safety (restraints required) (BLS-298.9)
- 8070** Patient Safety (seclusion required) (BLS-298.8)
- 8072** Special Handling (Isolation) (BLS-041.9)

- 8074** Special Handling (positioning required) (BLS-719.45)

- 8059** Sexual Assault (major injuries) (ALS-995.83)
- 8061** Cardiac/Hemodynamic Monitoring Required (ALS-428.9)
- 8063** IV Meds Required (ALS-No ICD code provided)
- 8065** Suctioning/Oxygen/IV fluids required (BLS-496.0)
- 8067** Third Party Assistance/Attendant Required (BLS-496.0)
- 8069** Patient Safety (monitoring required) (BLS-293.1)
- 8071** Patient Safety (risk of falling off stretcher) (BLS-781.3)
- 8073** Special Handling (orthopedic device required) (BLS-907.2)

Additional Information

- A list of 95 Condition Codes which are mapped to ICD-9 Codes. At this time the Condition Code List is still in draft. The number of the Condition Code should be stored in this field
- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding

Uses

- Allows data to be quantified and described based on the Condition Code
- Allows data to be sorted based on the Condition Code
- Important for EMS billing

Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

Other Associated Elements

- | | | | |
|---------------|--|---------------|----------------------------|
| E00 | Common Null Values | E01_01 | Patient Care Report Number |
| E07_36 | ICD-9 Code for the Condition Code Number | E07_37 | Condition Code Modifier |

ICD-9 CODE FOR THE CONDITION CODE NUMBER

E07_36

Data [text]

Definition

The ICD-9 Code assigned by CMS for the condition code documented in E7.35. Please consult CMS documentation for detailed descriptions of the Condition Codes and their use.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ICD9CodeForConditionCode*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: E07_35, E07_36 are members of E07_35_0 Condition Codes Structure

Field Values

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

Additional Information

- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding
- Should be automatically filled in based on the Condition Code Number (E07_35)

Uses

- Allows data to be quantified and described based on the Condition Code
- Allows data to be sorted based on the Condition Code
- Important for EMS billing

Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E07_35 Condition Code Number	E07_37 Condition Code Modifier

CONDITION CODE MODIFIER

E07_37

Data [combo] multiple-choice

Definition

The CMS Condition Code Modifier is used to better describe the EMS ground or air medical services response and service delivery. Please consult CMS documentation for detailed descriptions of these modifiers and their use.

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1035 A-Interfacility Transport (requires higher level of care)
1036 B-Interfacility Transport (service not available)	1037 C-ALS Response to BLS Patient
1038 D-Medically Necessary Transport (Not Nearest Facility)	1039 E-BLS Transport of ALS Patient
1040 F-Emergency Trauma Dispatch Condition Code (patient is BLS)	1041 Air-A-Long Distance
1042 Air-B-Traffic Precludes Ground Transport	1043 Air-C-Time Precludes Ground Transport
1044 Air-D-Pick up Point not Accessible by Ground Transport	

Additional Information

- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding
- This coding system is character based to match the CMS Modifier Condition Code

Uses

- Allows data to be quantified and described based on the Condition Code
- Allows data to be sorted based on the Condition Code
- Important for EMS billing

Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

Other Associated Elements

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

Scene

OTHER EMS AGENCIES AT SCENE

E08_01

Data [combo] multiple-choice

Definition

Other EMS agencies that were at the scene, if any

XSD Data Type *xs:string*

XSD Domain (Simple Type) *OtherEMSAgenciesAtScene*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- Created from Other Agencies in Area (D01_11). This is the Agency Name, not the EMS Agency Number

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

OTHER SERVICES AT SCENE

E08_02

Data [combo] multiple-choice

Definition

Other services that were at the scene, if any

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1060 EMS Mutual Aid
1065 Fire	1070 Hazmat
1075 Law	1080 Other Health Care Provider
1085 Other	1090 Rescue
1095 Utilities	

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ESTIMATED DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE

E08_03

Data [combo] single-choice

Definition

The date/time differential between the initial responder and the EMS unit arriving on the scene, if applicable.

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1100	>15 minutes
1105	5 - 15 Minutes	1110	<5 Minutes
1115	After EMS		

Additional Information

- EMS Systems can choose to document First Responder Arrival Time either by a time frame (E08_03) or by recording the exact time (E08_04). Systems only need to use one of these two data elements

Uses

- Allows for the evaluation of First Responder services within an EMS Agency
- Used for Quality Management reports associated with service delivery and clinical care/ outcomes

Data Collector

- EMS personnel

Other Associated Elements

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

DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE

E08_04

Data [date/time]

Definition

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

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

Field Values

Additional Information

- EMS Systems can choose to document First Responder Arrival Time either by a time frame (E08_03) or by recording the exact time (E08_04). Systems only need to use one of these two data elements
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

- Allows for the evaluation of First Responder services within an EMS Agency
- Used for Quality Management reports associated with service delivery and clinical care/ outcomes

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

NUMBER OF PATIENTS AT SCENE

E08_05

Data [combo] single-choice

National Element

Definition

Indicator of how many total patients were at the scene

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NumberOfPatientsAtScene*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

1120 None

1125 Single

1130 Multiple

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

MASS CASUALTY INCIDENT

E08_06

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

INCIDENT LOCATION TYPE

E08_07

Data [combo] single-choice

National Element

Definition

The kind of location where the incident happened

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IncidentLocationType*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

1135 Home/Residence

1140 Farm

1145 Mine or Quarry

1150 Industrial Place and Premises

1155 Place of Recreation or Sport

1160 Street or Highway

1165 Public Building (schools, gov. offices)

1170 Trade or service (business, bars, restaurants, etc)

1175 Health Care Facility (clinic, hospital, nursing home)

1180 Residential Institution (Nursing Home, jail/prison)

1185 Lake, River, Ocean

1190 Other Location

Additional Information

- Based on ICD-9

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 05 Location Type

References to Other Databases

- UTSTEIN Title: Location of Arrest: Out of Hospital; Same as NHTSA E-Codes

INCIDENT ADDRESS

E08_11

Data [text]

Definition

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

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 01 Incident Address

Data [combo] single-choice

Definition

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

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

Field Values

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

Additional Information

- 5 digit FIPS Code
- Could be filled in from Incident Zip Code entry (E08_15)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E08_07 Incident Location Type	E08_11 Incident Address
E08_14 Incident State	E08_15 Incident ZIP Code

References in NHTSA Version 1

Essential Element 02 Incident City

INCIDENT COUNTY

E08_13

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *County*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 5

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- Could be filled in from Incident Zip Code entry (E08_15)
- Stored as a 5 digit FIPS code (combining the state and county code) to take into account agencies may serve more than one state and counties are often named the same from state to state
- Stored as a FIPS code

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

References in NHTSA Version 1

Essential Element 03 Incident County

INCIDENT STATE

E08_14

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 3

XSD Structure: E08_11, E08_12, E08_14, E08_15 are all members of E08_11_0 Incident Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Incident Zip Code entry (E08_15)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

E08_11 Incident Address

E08_12 Incident City

E08_15 Incident ZIP Code

References in NHTSA Version 1

Essential Element 04 Incident State

References to Other Databases

- NFIRS 5.0 Basic Module 1; Title: State; 2 digit FIPS; Text Field Size = 2

INCIDENT ZIP CODE

E08_15

Data [text]

National Element

Definition

The ZIP code of the incident location

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 10

XSD Structure: E08_11, E08_12, E08_14, E08_15 are all members of E08_11_0 Incident Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

E08_11 Incident Address

E08_12 Incident City

E08_14 Incident State

Situation

PRIOR AID

E09_01

Data [combo] multiple-choice

National Element

Definition

Any care which was provided to the patient prior to the arrival of this unit.

XSD Data Type *xs:string*

XSD Domain (Simple Type) *PriorAid*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 30

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- List created from Procedures (D04_04) and Medications (D04_06)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the specific prior aid received or not received by the patient
- Allows data to describe aid which was provided prior to EMS arrival
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 58 Time of First CPR

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Cardiac Arrest; Pick-List: Pre-Arrival Arrest = 1, Post-Arrival Arrest = 2;
- **NFIRS 5.0** EMS Module; Title: Pre-Arrival Details; Pick-List: Witnessed = 1, Bystander CPR = 2
- **UTSTEIN** Title: CPR Before EMS and Rhythm Analysis or Defibrillation before EMS; [combo] Yes = Y, No = No, U = Unknown

PRIOR AID PERFORMED BY

E09_02

Data [combo] multiple-choice

National Element

Definition

The type of individual who performed the care prior to the arrival of this unit.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PriorAidPerformedBy*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

1195 EMS Provider

1200 Law Enforcement

1205 Lay Person

1210 Other Healthcare Provider

1215 Patient

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on who provided specific prior aid
- Allows data to describe who performed any aid which was provide prior to EMS arrival to the patient
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

OUTCOME OF THE PRIOR AID

E09_03

Data [combo] single-choice

National Element

Definition

What was the outcome or result of the care performed prior to the arrival of the unit?

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *OutcomeOfPriorAid*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

1220 Improved

1225 Unchanged

1230 Worse

Uses

- Allows data to be sorted based on the perceived outcome which resulted from specific prior aid received by the patient
- Allows data to describe aid which was provided prior to EMS arrival
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

POSSIBLE INJURY

E09_04

Data [combo] single-choice

National Element

Definition

Indicates that the reason for the EMS encounter was related to an injury or traumatic event. This data element provides documentation to classify the EMS Reason for Encounter as either injury or non-injury related based on mechanism and not on actual injury

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

CHIEF COMPLAINT

E09_05

Data [text]

Definition

The statement of the problem by the patient or the history provider in one or two words

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

Field Values

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

Uses

- Allows data to be sorted based on the use of EMS Chief Complaint
- Allows data to describe EMS services delivered based on the EMS patient's chief complaint
- Important for an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 48 Chief Complaint

DURATION OF CHIEF COMPLAINT

E09_06

Data [number]

Definition

The time duration of the chief complaint

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *DurationOfChiefComplaint*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 1

Maximum Constraint 360

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

Field Values

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E09_05 Chief Complaint

E09_07 Time Units of Duration of Chief Complaint

TIME UNITS OF DURATION OF CHIEF COMPLAINT

E09_07

Data [combo] single-choice

Definition

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

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

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

Required in XSD No

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

Field Values

1235 Seconds

1240 Minutes

1245 Hours

1250 Days

1255 Weeks

1260 Months

1265 Years

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E09_05 Chief Complaint

E09_06 Duration of Chief Complaint

SECONDARY COMPLAINT NARRATIVE

E09_08

Data [text]

Definition

The narrative of the patient's secondary complaint

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

Field Values

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

Uses

- Allows data to be sorted based on the use of EMS Chief Complaint
- Allows data to describe EMS services delivered based on the patient's chief complaint
- Important for an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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References in NHTSA Version 1

Desirable Element 48 Chief Complaint

DURATION OF SECONDARY COMPLAINT

E09_09

Data [number]

Definition

The duration of the secondary complaint

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *DurationOfSecondaryComplaint*
Multiple Entry Configuration No **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 360

XSD Structure: E09_09 and E09_10 are members of E09_09_0 Duration of Secondary Complaint Structure

Field Values

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number **E09_08** Secondary Complaint Narrative
E09_10 Time Units of Duration of Secondary Complaint

TIME UNITS OF DURATION OF SECONDARY COMPLAINT

E09_10

Data [combo] single-choice

Definition

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

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

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

Required in XSD No

XSD Structure: E09_09 and E09_10 are members of E09_09_0 Duration of Secondary Complaint Structure

Field Values

1270 Seconds

1275 Minutes

1280 Hours

1285 Days

1290 Weeks

1295 Months

1300 Years

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E09_08 Secondary Complaint Narrative

E09_09 Duration of Secondary Complaint

CHIEF COMPLAINT ANATOMIC LOCATION

E09_11

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ComplaintAnatomicLocation*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

1305 Abdomen

1310 Back

1315 Chest

1320 Extremity-Lower

1325 Extremity-Upper

1330 General/Global

1335 Genitalia

1340 Head

1345 Neck

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

CHIEF COMPLAINT ORGAN SYSTEM

E09_12

Data [combo] single-choice

National Element

Definition

The primary organ system of the patient injured or medically affected. This is to be completed by EMS personnel with a minimum of an EMT-Paramedic level of credentialing.

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

PRIMARY SYMPTOM

E09_13

Data [combo] single-choice

National Element

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1405 Bleeding
1410 Breathing Problem	1415 Change in responsiveness
1420 Choking	1425 Death
1430 Device/Equipment Problem	1435 Diarrhea
1440 Drainage/Discharge	1445 Fever
1450 Malaise	1455 Mass/Lesion
1460 Mental/Psych	1465 Nausea/Vomiting
1470 None	1475 Pain
1480 Palpitations	1485 Rash/Itching
1490 Swelling	1495 Transport Only
1500 Weakness	1505 Wound

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

OTHER ASSOCIATED SYMPTOMS

E09_14

Data [combo] multiple-choice

National Element

Definition

Other symptoms identified by the patient or observed by EMS personnel

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	1510 Bleeding
1515 Breathing Problem	1520 Change in responsiveness
1525 Choking	1530 Death
1535 Device/Equipment Problem	1540 Diarrhea
1545 Drainage/Discharge	1550 Fever
1555 Malaise	1560 Mass/Lesion
1565 Mental/Psych	1570 Nausea/Vomiting
1575 None	1580 Pain
1585 Palpitations	1590 Rash/Itching
1595 Swelling	1600 Transport Only
1605 Weakness	1610 Wound

Additional Information

- This data element is used for Bioterrorism Syndromic Surveillance

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

PROVIDERS PRIMARY IMPRESSION

E09_15

Data [combo] single-choice

National Element

Definition

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

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1615	789.00- Abdominal pain / problems
1620	519.80- Airway obstruction	1625	995.30- Allergic reaction
1630	780.09- Altered level of consciousness	1635	312.90- Behavioral / psychiatric disorder
1640	427.50- Cardiac arrest	1645	427.90- Cardiac rhythm disturbance
1650	786.50- Chest pain / discomfort	1655	250.90- Diabetic symptoms (hypoglycemia)
1660	994.80- Electrocutation	1665	780.60- Hyperthermia
1670	780.90- Hypothermia	1675	785.59- Hypovolemia / shock
1680	987.90- Inhalation injury (toxic gas)	1685	798.99- Obvious death
1690	977.90- Poisoning / drug ingestion	1695	659.90- Pregnancy / OB delivery
1700	786.09- Respiratory distress	1705	799.10- Respiratory arrest
1710	780.30- Seizure	1715	959.90- Sexual assault / rape
1720	987.90- Smoke inhalation	1725	989.50- Stings / venomous bites
1730	436.00- Stroke / CVA	1735	780.20- Syncope / fainting
1740	959.90- Traumatic injury	1745	623.80- Vaginal hemorrhage

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 50 Providers Impression

References to Other Databases

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

PROVIDER'S SECONDARY IMPRESSION

E09_16

Data [combo] single-choice

National Element

Definition

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

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1750	789.00- Abdominal pain / problems
1755	519.80- Airway obstruction	1760	995.30- Allergic reaction
1765	780.09- Altered level of consciousness	1770	312.90- Behavioral / psychiatric disorder
1775	427.50- Cardiac arrest	1780	427.90- Cardiac rhythm disturbance
1785	786.50- Chest pain / discomfort	1790	250.90- Diabetic symptoms (hypoglycemia)
1795	994.80- Electrocutation	1800	780.60- Hyperthermia
1805	780.90- Hypothermia	1810	785.59- Hypovolemia / shock
1815	987.90- Inhalation injury (toxic gas)	1820	798.99- Obvious death
1825	977.90- Poisoning / drug ingestion	1830	659.90- Pregnancy / OB delivery
1835	786.09- Respiratory distress	1840	799.10- Respiratory arrest
1845	780.30- Seizure	1850	959.90- Sexual assault / rape
1855	987.90- Smoke inhalation	1860	989.50- Stings / venomous bites
1865	436.00- Stroke / CVA	1870	780.20- Syncope / fainting
1875	959.90- Traumatic injury	1880	623.80- Vaginal hemorrhage

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 50 Providers Impression

Situation/ Trauma

CAUSE OF INJURY

E10_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CauseOfInjury*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 49 Cause of Injury

References to Other Databases

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

Assault = 35, Venomous Sting = 36, Water Transport = 37, Other Cause of Injury/Illness = 00, Unknown Cause of Injury/Illness = UU

INTENT OF THE INJURY

E10_02

Data [combo] single-choice

Definition

The intent of the individual inflicting the injury

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IntentOfInjury*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

2020 Intentional, Other (Assaulted)

2025 Intentional, Self

2030 Unintentional

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 54 Injury Intent

References to Other Databases

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

MECHANISM OF INJURY

E10_03

Data [combo] multiple-choice

Definition

The mechanism of the event which caused the injury.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *MechanismOfInjury*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

2035 Blunt

2040 Burn

2045 Other

2050 Penetrating

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

VEHICULAR INJURY INDICATORS

E10_04

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

AREA OF THE VEHICLE IMPACTED BY THE COLLISION

E10_05

Data [combo] multiple-choice

Definition

The area or location of impact on the vehicle

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

Field Values

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

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

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

SEAT ROW LOCATION OF PATIENT IN VEHICLE

E10_06

Data [text]

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *SeatRowLocation*
Multiple Entry Configuration No **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 50
XSD Structure: E10_06 and E10_07 are members of E10_06_0 Position of Patient Structure

Field Values

- If a value of 50 is passed, the location is designated "Cargo Area"

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"
- Could be configured as a single choice combo box
- Numbered to take into account large vehicles such as buses or vans (1 = Front) or (Cargo Area = 50)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number **E10_07** Position of Patient in the Seat of the Vehicle

POSITION OF PATIENT IN THE SEAT OF THE VEHICLE

E10_07

Data [combo] single-choice

Definition

The position of the patient in seat of the vehicle at the time of the crash

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

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

Required in XSD No

XSD Structure: E10_06 and E10_07 are members of E10_06_0 Position of Patient Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2145 Driver
2150 Left (non-driver)	2155 Middle
2160 Other	2165 Right

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E10_06 Seat Row Location of Patient in Vehicle

USE OF OCCUPANT SAFETY EQUIPMENT

E10_08

Data [combo] multiple-choice

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2170 Child Restraint
2175 Eye Protection	2180 Helmet Worn
2185 Lap Belt	2187 None
2190 Other	2195 Personal Floatation Device
2200 Protective Clothing	2205 Protective Non-Clothing Gear
2210 Shoulder Belt	

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 55 Safety Equipment

References to Other Databases

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

AIRBAG DEPLOYMENT

E10_09

Data [combo] multiple-choice

Definition

Indication of Airbag deployment during the motor vehicle crash.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *AirbagDeployment*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

2215 No Airbag Present

2220 No Airbag Deployed

2225 Airbag Deployed Front

2230 Airbag Deployed Side

2235 Airbag Deployed Other (knee, airbelt, etc.)

Additional Information

- Complete only if Possible Injury (E09_04) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 55 Safety Equipment

References to Other Databases

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

HEIGHT OF FALL

E10_10

Data [number]

Definition

The distance in feet the patient fell, measured from the lowest point of the patient to the ground.

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

Situation/ CPR

CARDIAC ARREST

E11_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CardiacArrest*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

2240 Yes, Prior to EMS Arrival

2245 Yes, After EMS Arrival

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

CARDIAC ARREST ETIOLOGY

E11_02

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CardiacArrestEtiology*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

2250 Presumed Cardiac

2255 Trauma

2260 Drowning

2265 Respiratory

2270 Electrocutation

2275 Other

Additional Information

- Complete only if Cardiac Arrest (E11_01) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

RESUSCITATION ATTEMPTED

E11_03

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

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

Additional Information

- Complete only if Cardiac Arrest (E11_01) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

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

ARREST WITNESSED BY

E11_04

Data [combo] single-choice

Definition

Indication of who the cardiac arrest was witnessed by

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ArrestWitnessedBy*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

2310 Witnessed by Healthcare Provider

2315 Witnessed by Lay Person

2320 Not Witnessed

Additional Information

- Complete only if Cardiac Arrest (E11_01) is "Yes"

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the Witnessed or Un-Witnessed Arrest which is a known key element associated with Cardiac Arrest Outcome
- Allows data to describe aid which was provided prior to EMS arrival
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 62 Witness of Cardiac Arrest

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Pre-Arrival Details; Pick-List: Witnessed = 1, Bystander CPR = 2
- UTSTEIN Title: Arrest Witnessed/Monitored; [combo] Lay Person = L, Healthcare Provider = H

FIRST MONITORED RHYTHM OF THE PATIENT

E11_05

Data [combo] single-choice

Definition

Documentation of what the first monitored rhythm which was noted

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

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

ANY RETURN OF SPONTANEOUS CIRCULATION

E11_06

Data [combo] single-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 64 Return of Spontaneous Circulation

References to Other Databases

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

ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL

E11_08

Data [combo] single-choice

Definition

The length of time the patient was down (estimated) before the responding unit arrived at the patient

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2390 >20 Minutes
2395 15-20 Minutes	2400 10-15 Minutes
2405 8-10 Minutes	2410 6-8 Minutes
2415 4-6 Minutes	2420 2-4 Minutes
2425 0-2 Minutes	

Additional Information

- Complete only if Cardiac Arrest (E11_01) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

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

DATE/TIME RESUSCITATION DISCONTINUED

E11_09

Data [date/time]

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

Additional Information

- Complete only if Cardiac Arrest (E11_01) is “Yes”
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 60 Time CPR Discontinued

REASON CPR DISCONTINUED

E11_10

Data [combo] single-choice

Definition

The reason that CPR or the resuscitation efforts were discontinued.

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

Field Values

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

Additional Information

- Complete only if Cardiac Arrest (E11_01) is "Yes"

Uses

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

Data Collector

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

Other Associated Elements

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

CARDIAC RHYTHM ON ARRIVAL AT DESTINATION

E11_11

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

- Complete only if Cardiac Arrest (E11_01) is "Yes"
- This data point could be completed by documentation of the final rhythm in the Vital Signs Section (E14) with the appropriate time

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 67 Rhythm at Destination

Medical History

BARRIERS TO PATIENT CARE

E12_01

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

References to Other Databases

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

SENDING FACILITY MEDICAL RECORD NUMBER

E12_02

Data [text]

Definition

The medical record number of the medical facility who is transferring care to EMS

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>SendingFacilityRecordNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

Field Values

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

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to connect information between two hospitals
- Used to link EMS data to hospital data

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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DESTINATION MEDICAL RECORD NUMBER

E12_03

Data [text]

Definition

The patient's medical record number at the patient's receiving facility

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>DestinationMedicalRecordNumber</i>
Multiple Entry Configuration	No	Accepts Null Values	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

Field Values

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

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to connect information between two hospitals
- Used to link EMS data to hospital data

Data Collector

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

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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ADVANCED DIRECTIVES

E12_07

Data [combo] multiple-choice

Definition

The presence of a valid for of living will of document directing end of life or healthcare treatment decisions

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *AdvanceDirectives*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

2645 State/EMS DNR Form

2650 Other Healthcare DNR Form

2655 Living Will

2660 Family/Guardian request DNR (but no documentation)

2665 Other

2670 None

Additional Information

- DNR = Do Not Resuscitate

Uses

- Can be used to describe the EMS population and adjust EMS resources as needed
- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

MEDICATION ALLERGIES

E12_08

Data [combo] multiple-choice

Definition

The patient's medication allergies

XSD Data Type *xs:string*

XSD Domain (Simple Type) *MedicationAllergies*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- A Drug List should be created to serve as a list box which can contain any generic or trade name of a drug approved by the FDA
- Alternatively, the drugs may be entered as a multiple entry text configuration

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

ENVIRONMENTAL/FOOD ALLERGIES

E12_09

Data [combo] multiple-choice

Definition

The patient's known allergies to food or environmental agents.

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2675 Insect Sting
2680 Food Allergy	2685 Latex
2690 Chemical	2695 Other
2700 None	

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

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

CURRENT MEDICATIONS

E12_14

Data [combo or text] multiple-choice

Definition

The medications the patient currently takes

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

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

Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) E12_14, E12_15, E12_16, and E12_17 are all members of E12_14_0 Current Medications Structure. (2) E12_15 and E12_16 are members of E12_15_0 Current Medication Dose Structure

Field Values

Additional Information

- A Drug List should be created to serve as a listbox which can contain any generic or trade name of a drug approved by the FDA
- Alternatively, the drugs may be entered as a multiple entry text configuration
- The Drug List should also include "None"

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E12_15 Current Medication Dose

E12_16 Current Medication Dosage Unit

E12_17 Current Medication Administration Route

CURRENT MEDICATION DOSE

E12_15

Data [number]

Definition

The numeric dose or amount of the patient's current medication

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *CurrentMedicationDose*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 1,000,000

XSD Structure: (1) E12_14, E12_15, E12_16, and E12_17 are all members of E12_14_0 Current Medications Structure. (2) E12_15 and E12_16 are members of E12_15_0 Current Medication Dose Structure

Field Values

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E12_14 Current Medications

E12_16 Current Medication Dosage Unit

E12_17 Current Medication Administration Route

CURRENT MEDICATION DOSAGE UNIT

E12_16

Data [combo] single-choice

Definition

The dosage unit of the patient's current medication

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

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

Required in XSD No

XSD Structure: (1) E12_14, E12_15, E12_16, and E12_17 are all members of E12_14_0 Current Medications Structure. (2) E12_15 and E12_16 are members of E12_15_0 Current Medication Dose Structure

Field Values

2785 GMS	2790 Inches
2795 IU	2800 KVO (TKO)
2805 L/MIN	2810 LITERS
2815 LPM	2820 MCG
2825 MCG/KG/MIN	2830 MEQ
2835 MG	2840 MG/KG/MIN
2845 ML	2850 ML/HR
2855 Other	2860 Puffs

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number	E12_14 Current Medications
E12_15 Current Medication Dose	E12_17 Current Medication Administration Route

References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

ALCOHOL/DRUG USE INDICATORS

E12_19

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2985 Smell of Alcohol on Breath
2990 Patient Admits to Alcohol Use	2995 Patient Admits to Drug Use
3000 Alcohol and/or Drug Paraphernalia at Scene	3001 None

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 57 Suspected Alcohol/Drug Use

References to Other Databases

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

Narrative

RUN REPORT NARRATIVE

E13_01

Data [text]

Definition

The narrative of the run report

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>RunReportNarrative</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in XSD No	Minimum Constraint 2 Maximum Constraint 4,000

Field Values

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

Additional Information

- Large capacity text field such as a “memo” or equivalent

Uses

- Part of an EMS Medical Record

Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

Other Associated Elements

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

Assessment/ Vital Signs

DATE/TIME VITAL SIGNS TAKEN

E14_01

Data [date/time]

Definition

Date/Time Vital Signs Taken

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

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

Required in XSD No **Minimum Constraint** 1,990 **Maximum Constraint** 2,030

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

Field Values

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- Multiple Entry Configuration to allow multiple sets of Vital Signs

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

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

OBTAINED PRIOR TO THIS UNITS EMS CARE

E14_02

Data [combo] single-choice

Definition

Indicates that the information which is documented was obtained prior to the EMS unit's care creting this patient care report

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

Required in XSD No

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

Field Values

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

Additional Information

- If E14_02 is "Yes", the Date/Time Vital Signs Taken (E14_01) is not required

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E14_01 Date/Time Vital Signs Taken	

Data [combo] multiple-choice

Definition

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

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

Required in XSD No

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Desirable Element 66 Initial Cardiac Rhythm

SBP (SYSTOLIC BLOOD PRESSURE)

E14_04

Data [number]

Definition

The patient's systolic blood pressure

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *SBP*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 400

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

Field Values

Additional Information

- Could be collected from Device Systolic Blood Pressure (E21_14)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_05 DBP (Diastolic Blood Pressure)

E14_06 Method of Blood Pressure Measurement

References in NHTSA Version 1

Essential Element 70 Systolic Blood Pressure

DBP (DIASTOLIC BLOOD PRESSURE)

E14_05

Data [number]

Definition

The patient's diastolic blood pressure

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *DBP*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 300

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_04 SBP (Systolic Blood Pressure)

E14_06 Method of Blood Pressure Measurement

References in NHTSA Version 1

Essential Element 71 Diastolic Blood Pressure

METHOD OF BLOOD PRESSURE MEASUREMENT

E14_06

Data [combo] single-choice

Definition

Indication of method of blood pressure procedure.

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

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

Required in XSD No

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

Field Values

3150 Arterial Line

3160 Manual Cuff

3170 Venous Line

3155 Automated Cuff

3165 Palpated Cuff

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_04 SBP (Systolic Blood Pressure)

E14_01 Date/Time Vital Signs Taken

E14_05 DBP (Diastolic Blood Pressure)

PULSE RATE

E14_07

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PulseRate*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 500

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

Field Values

Additional Information

- Could be collected from Device Pulse Rate (E21_13)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Essential Element 65 Pulse Rate

References to Other Databases

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

ELECTRONIC MONITOR RATE

E14_08

Data [number]

Definition

The patient's heart rate as recorded by an electronic monitoring device (ECG, pulse oximetry, etc.)

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ElectricMonitorRate*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 500

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

Field Values

Additional Information

- Could be collected from Device Heart Rate (E21_12)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

PULSE OXIMETRY

E14_09

Data [number]

Definition

The patient's oxygen saturation

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PulseOximetry*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

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

Field Values

Additional Information

- Could be collected from Device Pulse Oximetry (E21_17)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

PULSE RHYTHM

E14_10

Data [combo] single-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PulseRhythm*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD No

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

3175 Regular

3180 Irregular

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

RESPIRATORY RATE

E14_11

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *RespiratoryRate*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

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

Field Values

Additional Information

- Could be collected from Device Respiratory Rate (E21_16)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Essential Element 68 Respiratory Rate

RESPIRATORY EFFORT

E14_12

Data [text]

Definition

The patient's respiratory effort

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

Required in XSD No

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3185	Normal
3190	Labored	3195	Fatigued
3200	Absent	3205	Not Assessed

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Desirable Element 69 Respiratory Effort

CARBON DIOXIDE

E14_13

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) CO2

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

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

Field Values

Additional Information

- Could be collected from Device CO2 or ETCO2 (E21_18)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

BLOOD GLUCOSE LEVEL

E14_14

Data [number]

Definition

The patient's blood glucose level

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *BloodGlucoseLevel*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 2,000

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

Field Values

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

GLASGOW COMA SCORE-EYE

E14_15

Data [number]

Definition

The patient's Glasgow Coma Score Eye opening

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *GCSEye*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 1

Maximum Constraint 4

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

- For All Age Groups: 1 = Does Not Open Eyes
- For All Age Groups: 2 = Opens Eyes to painful stimulation
- For All Age Groups: 3 = Opens Eyes to verbal stimulation
- For All Age Groups: 4 = Opens Eyes spontaneously

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_16 Glasgow Coma Score-Verbal

E14_17 Glasgow Coma Score-Motor

E14_18 Glasgow Coma Score-Qualifier

E14_19 Total Glasgow Coma Score

References in NHTSA Version 1

Essential Element 73 Glasgow Eye Opening Component

GLASGOW COMA SCORE-VERBAL

E14_16

Data [number]

Definition

The patient's Glasgow Coma Score Verbal

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *GCSVerbal*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 1

Maximum Constraint 5

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

- Patients 0-23 months: 1 = None
- Patients 0-23 months: 2 = Persistent cry
- Patients 0-23 months: 3 = Inappropriate cry
- Patients 0-23 months: 4 = Cries, inconsolable
- Patients 0-23 months: 5 = Smiles, coos, cries appropriately
- Patients 2-5 years: 1 = None
- Patients 2-5 years: 2 = Grunts
- Patients 2-5 years: 3 = Cries and/or screams
- Patients 2-5 years: 4 = Inappropriate words
- Patients 2-5 years: 5 = Appropriate words
- Patients >5 years: 1 = None
- Patients >5 years: 2 = Non-specified sounds
- Patients >5 years: 3 = Inappropriate words
- Patients >5 years: 4 = Confused conversation or
- Patients >5 years: 5 = Oriented and appropriate speech

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_15 Glasgow Coma Score-Eye

E14_17 Glasgow Coma Score-Motor

E14_18 Glasgow Coma Score-Qualifier

E14_19 Total Glasgow Coma Score

References in NHTSA Version 1

Essential Element 74a Glasgow Verbal Component For patients >5 years

Essential Element 74b Glasgow Verbal Component For patients 2-5 years

Essential Element 74c Glasgow Verbal Component for patients 0-23 months

GLASGOW COMA SCORE-MOTOR

E14_17

Data [number]

Definition

The patient's Glasgow Coma Score Motor

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *GCSMotor*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 1

Maximum Constraint 6

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

- Patients up to 5 years: 1 = None • Patients >5 years: 1 = None
- Patients up to 5 years: 2 = Extensor posturing in response to painful stimulation • Patients >5 years: 2 = Extensor posturing in response to painful stimulation
- Patients up to 5 years: 3 = Flexor posturing in response to painful stimulation • Patients >5 years: 3 = Flexor posturing in response to painful stimulation
- Patients up to 5 years: 4 = General withdrawal in response to painful stimulation • Patients >5 years: 4 = General withdrawal in response to painful stimulation
- Patients up to 5 years: 5 = Localization of painful stimulation • Patients >5 years: 5 = Localization of painful stimulation
- Patients up to 5 years: 6 = Spontaneous • Patients >5 years: 6 = Obeys commands with appropriate motor responses

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_15 Glasgow Coma Score-Eye

E14_16 Glasgow Coma Score-Verbal

E14_18 Glasgow Coma Score-Qualifier

E14_19 Total Glasgow Coma Score

References in NHTSA Version 1

Essential Element 75a Glasgow Motor Component For patients >5 years

Essential Element 75b Glasgow Motor Component For patients up to 5 years

GLASGOW COMA SCORE-QUALIFIER

E14_18

Data [combo] single-choice

Definition

Documentation of factors which make the GCS score more meaningful.

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

Required in XSD No

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_15, E14_16, E14_17, and E14_18 are all members of E14_15_0 GCS Score Structure

Field Values

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

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E14_01 Date/Time Vital Signs Taken	E14_15 Glasgow Coma Score-Eye
E14_16 Glasgow Coma Score-Verbal	E14_17 Glasgow Coma Score-Motor
E14_19 Total Glasgow Coma Score	

TOTAL GLASGOW COMA SCORE

E14_19

Data [number]

Definition

The patient's total Glasgow Coma Score

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TotalGCS*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 1

Maximum Constraint 15

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

Field Values

Additional Information

- Calculated from Glasgow Coma Score-Eye (E14_15), Glasgow Coma Score-Verbal (E14_16), and Glasgow Coma Score-Motor (E14_17)

Uses

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

Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_15 Glasgow Coma Score-Eye

E14_16 Glasgow Coma Score-Verbal

E14_17 Glasgow Coma Score-Motor

E14_18 Glasgow Coma Score-Qualifier

References in NHTSA Version 1

Desirable Element 76 Glasgow Coma Score (Total)

TEMPERATURE

E14_20

Data [number]

Definition

The patient's body temperature in degrees celsius/centigrade.

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *BodyTemperature*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 50

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_20 and E14_21 are members of E14_20_0 Temperature Structure.

Field Values

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_21 Temperature Method

TEMPERATURE METHOD

E14_21

Data [combo] single-choice

Definition

The method used to obtain the patient's body temperature

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

Required in XSD No

XSD Structure: (1) Each element in section E14 is associated with a E14_01 Date/Time. (2) E14_20 and E14_21 are members of E14_20_0 Temperature Structure.

Field Values

3230 Axillary	3235 Oral
3240 Rectal	3245 Tympanic
3250 Urinary catheter	

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number	E14_01 Date/Time Vital Signs Taken
E14_20 Temperature	

LEVEL OF RESPONSIVENESS

E14_22

Data [combo] single-choice

Definition

The patients level of responsiveness

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3255 Alert
3260 Verbal	3265 Painful
3270 Unresponsive	

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E14_01 Date/Time Vital Signs Taken	

PAIN SCALE

E14_23

Data [number]

Definition

The patient's indication of pain from a scale of 0 –10.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PainScale*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 10

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

Field Values

Additional Information

- Number from 0 to 10

Uses

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

Data Collector

- EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

STROKE SCALE

E14_24

Data [combo] single-choice

Definition

The patient's Los Angeles or Cincinnati Stroke Scale Results

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

Required in XSD No

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E14_01	Date/Time Vital Signs Taken		

THROMBOLYTIC SCREEN

E14_25

Data [combo] single-choice

Definition

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

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

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E14_01 Date/Time Vital Signs Taken	

APGAR

E14_26

Data [number]

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *APGAR*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 10
XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time

Field Values

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

REVISED TRAUMA SCORE

E14_27

Data [number]

Definition

The patient's Revised Trauma Score

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *RTS*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 12

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

Field Values

Additional Information

- Calculated based on 3 components
- Can be auto-calculated from Respiratory Rate (E14_11), Systolic Blood Pressure (E14_04), and Total GCS (E14_19), if all three components are documented at the same Time (E14_01)
- Neurological Component: 4 = Glasgow coma score 13 - 15, 3 = Glasgow coma score 9 - 12, 2 = Glasgow coma score 6 - 8, 1 = Glasgow coma score 4 - 5, 0 = Glasgow coma score 3
- Respiratory Rate Component: 4 = 10 - 29 per minute, 3 = >29 per minute, 2 = 6 - 9 per minute, 1 = 1 - 5 per minute, 0 = None spontaneous
- Systolic Blood Pressure Component: 4 = >89 mm Hg, 3 = 76 - 89 mm Hg, 2 = 50 - 75 mm Hg, 1 = 1 - 49 mm Hg, 0 = No pulse

Uses

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

Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Desirable Element 77 Revised Trauma Score

PEDIATRIC TRAUMA SCORE

E14_28

Data [number]

Definition

The Trauma Score for patients age 12 and under

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PediatricTraumaScore*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint -6

Maximum Constraint 12

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

Field Values

Additional Information

- Age 12 and Under
- Calculated by adding the appropriate response for each of the 5 components below:
- Can be auto-calculated if programming logic is used to confirm all 5 components
- Component Airway: 2 = Normal, 1 = Maintainable, -1 = Un-maintainable or Intubated
- Component CNS: 2 = Awake, 1 = Altered Mental Status/Obtunded, -1 = Coma/Abnormal Flexion
- Component Open Wounds: 2 = None, 1 = Minor, -1 = Major/Penetrating
- Component Size: 2 = >20 kg, 1 = 10 – 20 kg, -1 = <10 kg
- Component Skeletal Injury: 2 = None, 1 = Closed Fracture, -1 = Open/Multiple Fractures
- Component Systolic Blood Pressure: 2 = > 90 mmHg (or palpable pulse at wrist), 1 = 50–90 mmHg (or palpable pulse at groin), -1 = < 50 mmHg (or no pulse palpable)

Uses

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

Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

Assessment/ Injury

Assessment/ Exam

ESTIMATED BODY WEIGHT

E16_01

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EstimatedBodyWeight*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 1

Maximum Constraint 500

Field Values

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

SKIN ASSESSMENT

E16_04

Data [combo] multiple-choice

Definition

The assessment of the patient's skin on examination

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3420 Normal
3425 Not Done	3430 Clammy
3435 Cold	3440 Cyanotic
3445 Jaundiced	3450 Lividity
3455 Mottled	3460 Pale
3465 Warm	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_05 Head/Face Assessment
E16_06 Neck Assessment	E16_07 Chest/Lungs Assessment
E16_08 Heart Assessment	E16_09 Abdomen Left Upper Assessment
E16_10 Abdomen Left Lower Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

References in NHTSA Version 1

Desirable Element 72 Skin Perfusion

HEAD/FACE ASSESSMENT

E16_05

Data [combo] multiple-choice

Definition

The assessment of the patient's face on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3470 Normal
3475 Not Done	3480 Asymmetric Smile or Droop
3485 Drainage	3490 Mass/Lesion
3495 Swelling	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_06 Neck Assessment	E16_07 Chest/Lungs Assessment
E16_08 Heart Assessment	E16_09 Abdomen Left Upper Assessment
E16_10 Abdomen Left Lower Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

NECK ASSESSMENT

E16_06

Data [combo] multiple-choice

Definition

The assessment of the patient's head & neck area on examination

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3500 Normal
3505 Not Done	3510 JVD
3515 Strider	3520 SubQ Air
3525 Tracheal Dev	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_07 Chest/Lungs Assessment
E16_08 Heart Assessment	E16_09 Abdomen Left Upper Assessment
E16_10 Abdomen Left Lower Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

CHEST/LUNGS ASSESSMENT

E16_07

Data [combo] multiple-choice

Definition

The assessment of the patient's chest on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3530	Normal
3535	Not Done	3540	Accessory Muscles
3545	Decreased BS-Left	3550	Decreased BS-Right
3555	Flail Segment-Left	3560	Flail Segment-Right
3565	Increased Effort	3570	Normal BS
3575	Rales	3580	Rhonchi/Wheezing
3585	Tenderness-Left	3590	Tenderness-Right

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_08	Heart Assessment	E16_09	Abdomen Left Upper Assessment
E16_10	Abdomen Left Lower Assessment	E16_11	Abdomen Right Upper Assessment
E16_12	Abdomen Right Lower Assessment	E16_13	GU Assessment
E16_14	Back Cervical Assessment	E16_15	Back Thoracic Assessment
E16_16	Back Lumbar/Sacral Assessment	E16_17	Extremities-Right Upper Assessment
E16_18	Extremities-Right Lower Assessment	E16_19	Extremities-Left Upper Assessment
E16_20	Extremities-Left Lower Assessment	E16_21	Eyes-Left Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

HEART ASSESSMENT

E16_08

Data [combo] multiple-choice

Definition

The assessment of the patient's heart on examination

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3595 Normal
3600 Not Done	3605 Decreased Sounds
3610 Murmur	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_05 Head/Face Assessment
E16_06 Neck Assessment	E16_07 Chest/Lungs Assessment
E16_07 Chest/Lungs Assessment	E16_09 Abdomen Left Upper Assessment
E16_10 Abdomen Left Lower Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

ABDOMEN LEFT UPPER ASSESSMENT

E16_09

Data [combo] multiple-choice

Definition

The assessment of the patient's left upper abdomen on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3615 Normal
3620 Not Done	3625 Distention
3630 Guarding	3635 Mass
3640 Tenderness	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_10 Abdomen Left Lower Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

ABDOMEN LEFT LOWER ASSESSMENT

E16_10

Data [combo] multiple-choice

Definition

The assessment of the patient's left lower abdomen on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3645 Normal
3650 Not Done	3655 Distention
3660 Guarding	3665 Mass
3670 Tenderness	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

ABDOMEN RIGHT UPPER ASSESSMENT

E16_11

Data [combo] multiple-choice

Definition

The assessment of the patient's right upper abdomen on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3675 Normal
3680 Not Done	3685 Distention
3690 Guarding	3695 Mass
3700 Tenderness	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

ABDOMEN RIGHT LOWER ASSESSMENT

E16_12

Data [combo] multiple-choice

Definition

The assessment of the patient's right lower abdomen on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3705 Normal
3710 Not Done	3715 Distention
3720 Guarding	3725 Mass
3730 Tenderness	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

Data [combo] multiple-choice

Definition

The assessment of the patient's GU area on examination

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3735 Normal
3740 Not Done	3745 Crowning
3750 Genital Injury	3755 Tenderness
3760 Unstable	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

BACK CERVICAL ASSESSMENT

E16_14

Data [combo] multiple-choice

Definition

The assessment of the patient's back-cervical on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3765 Normal
3770 Not Done	3775 Pain to ROM
3780 Tender Para-spinous	3785 Tender Spinous Process

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

BACK THORACIC ASSESSMENT

E16_15

Data [combo] multiple-choice

Definition

The assessment of the patient's back-thoracic on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3790 Normal
3795 Not Done	3800 Pain to ROM
3805 Tender Para-spinous	3810 Tender Spinous Process

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

BACK LUMBAR/SACRAL ASSESSMENT

E16_16

Data [combo] multiple-choice

Definition

The assessment of the patient's back-lumbar/sacral on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3815 Normal
3820 Not Done	3825 Pain to ROM
3830 Tender Para-spinous	3835 Tender Spinous Process

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

EXTREMITIES-RIGHT UPPER ASSESSMENT

E16_17

Data [combo] multiple-choice

Definition

The assessment of the patient's right upper extremities on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3840 Normal
3845 Not Done	3850 Abnormal Pulse
3855 Abnormal Sensation	3860 Edema
3865 Tenderness	3870 Weakness

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

EXTREMITIES-RIGHT LOWER ASSESSMENT

E16_18

Data [combo] multiple-choice

Definition

The assessment of the patient's right lower extremities on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3875 Normal
3880 Not Done	3885 Abnormal Pulse
3890 Abnormal Sensation	3895 Edema
3900 Tenderness	3905 Weakness

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

EXTREMITIES-LEFT UPPER ASSESSMENT

E16_19

Data [combo] multiple-choice

Definition

The assessment of the patient's left upper extremities on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3910 Normal
3915 Not Done	3920 Abnormal Pulse
3925 Abnormal Sensation	3930 Edema
3935 Tenderness	3940 Weakness

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment	E16_18 Extremities-Right Lower Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

EXTREMITIES-LEFT LOWER ASSESSMENT

E16_20

Data [combo] multiple-choice

Definition

The assessment of the patient's left lower extremities on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3945 Normal
3950 Not Done	3955 Abnormal Pulse
3960 Abnormal Sensation	3965 Edema
3970 Tenderness	3975 Weakness

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment	E16_18 Extremities-Right Lower Assessment
E16_19 Extremities-Left Upper Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

EYES-LEFT ASSESSMENT

E16_21

Data [combo] multiple-choice

Definition

The assessment of the patient's left eye on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3980	Not Done
3985	2-mm	3990	3-mm
3995	4-mm	4000	5-mm
4005	6-mm	4010	7-mm
4015	Blind	4020	Reactive
4025	Non-Reactive		

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_11	Abdomen Right Upper Assessment	E16_12	Abdomen Right Lower Assessment
E16_13	GU Assessment	E16_14	Back Cervical Assessment
E16_15	Back Thoracic Assessment	E16_16	Back Lumbar/Sacral Assessment
E16_17	Extremities-Right Upper Assessment	E16_18	Extremities-Right Lower Assessment
E16_19	Extremities-Left Upper Assessment	E16_20	Extremities-Left Lower Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

EYES-RIGHT ASSESSMENT

E16_22

Data [combo] multiple-choice

Definition

The assessment of the patient's right eye on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	4030	Not Done
4035	2-mm	4040	3-mm
4045	4-mm	4050	5-mm
4055	6-mm	4060	7-mm
4065	Blind	4070	Reactive
4075	Non-Reactive		

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_11	Abdomen Right Upper Assessment	E16_12	Abdomen Right Lower Assessment
E16_13	GU Assessment	E16_14	Back Cervical Assessment
E16_15	Back Thoracic Assessment	E16_16	Back Lumbar/Sacral Assessment
E16_17	Extremities-Right Upper Assessment	E16_18	Extremities-Right Lower Assessment
E16_19	Extremities-Left Upper Assessment	E16_20	Extremities-Left Lower Assessment
E16_21	Eyes-Left Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

MENTAL STATUS ASSESSMENT

E16_23

Data [combo] multiple-choice

Definition

The assessment of the patient's mental status on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4080 Normal
4085 Not Done	4090 Combative
4095 Confused	4100 Hallucinations
4105 Oriented-Person	4110 Oriented-Place
4115 Oriented-Time	4120 Unresponsive

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment	E16_18 Extremities-Right Lower Assessment
E16_19 Extremities-Left Upper Assessment	E16_20 Extremities-Left Lower Assessment
E16_21 Eyes-Left Assessment	E16_22 Eyes-Right Assessment
E16_24 Neurological Assessment	

NEUROLOGICAL ASSESSMENT

E16_24

Data [combo] multiple-choice

Definition

The assessment of the patient's neurological status on examination

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

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

Required in XSD No

XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4125 Normal
4130 Not Done	4135 Abnormal Gait
4140 Facial Droop	4145 Seizures
4150 Speech Normal	4155 Speech Slurring
4160 Tremors	4165 Weakness-Left Sided
4170 Weakness-Right Sided	

Additional Information

- Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment	E16_18 Extremities-Right Lower Assessment
E16_19 Extremities-Left Upper Assessment	E16_20 Extremities-Left Lower Assessment
E16_21 Eyes-Left Assessment	E16_22 Eyes-Right Assessment
E16_23 Mental Status Assessment	

Intervention

PROTOCOLS USED

E17_01

Data [combo] multiple-choice

Definition

The protocol used by EMS personnel to direct the clinical care of the patient

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>ProtocolsUsed</i>
Multiple Entry Configuration Yes	Accepts Null Values Yes
Required in XSD No	Minimum Constraint 2 Maximum Constraint 30

Field Values

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

Additional Information

- List created from Protocols (D04_08)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Intervention/ Medication

DATE/TIME MEDICATION ADMINISTERED

E18_01

Data [date/time]

Definition

The date/time medication administered to the patient

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

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

Required in XSD No **Minimum Constraint** 1,990 **Maximum Constraint** 2,030

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

Field Values

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number	E18_02 Medication Administered Prior to this Units EMS Care
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_08 Medication Complication
E18_09 Medication Crew Member ID	E18_10 Medication Authorization
E18_11 Medication Authorizing Physician	

MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE

E18_02

Data [combo] single-choice

Definition

Indicates that the medication administration which is documented was administered prior to this EMS unit's care.

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

Required in XSD No

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

Field Values

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

Additional Information

- If E18_02 is "Yes", the Date/Time Medication Administered (E18_01) is not required

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E18_01 Date/Time Medication Administered	E18_03 Medication Given
E18_04 Medication Administered Route	E18_05 Medication Dosage
E18_06 Medication Dosage Units	E18_07 Response to Medication
E18_08 Medication Complication	E18_09 Medication Crew Member ID
E18_10 Medication Authorization	E18_11 Medication Authorizing Physician

MEDICATION GIVEN

E18_03

Data [combo] single-choice

National Element

Definition

The medication given to the patient

XSD Data Type *xs:string*

XSD Domain (Simple Type) *MedicationsGiven*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- List created from Medications (D04_06)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E18_01 Date/Time Medication Administered

E18_02 Medication Administered Prior to this Units EMS Care

E18_04 Medication Administered Route

E18_05 Medication Dosage

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_10 Medication Authorization

E18_11 Medication Authorizing Physician

References in NHTSA Version 1

Essential Element 80 Medication Name

References to Other Databases

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

MEDICATION ADMINISTERED ROUTE

E18_04

Data [combo] single-choice

Definition

The route that the medication was administered to the patient.

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

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

Required in XSD No

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E18_01	Date/Time Medication Administered	E18_02	Medication Administered Prior to this Units EMS Care
E18_03	Medication Given	E18_05	Medication Dosage
E18_06	Medication Dosage Units	E18_07	Response to Medication
E18_08	Medication Complication	E18_09	Medication Crew Member ID
E18_10	Medication Authorization	E18_11	Medication Authorizing Physician

References to Other Databases

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

MEDICATION DOSAGE

E18_05

Data [number]

Definition

The dose or amount of medication given to the patient

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *MedicationDosage*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 1,000,000

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

Field Values

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E18_01 Date/Time Medication Administered

E18_02 Medication Administered Prior to this Units
EMS Care

E18_03 Medication Given

E18_04 Medication Administered Route

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_10 Medication Authorization

E18_11 Medication Authorizing Physician

MEDICATION DOSAGE UNITS

E18_06

Data [combo] single-choice

Definition

The units of medication dosage given to patient

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

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

Required in XSD No

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

Field Values

4295 GMS	4300 Inches
4305 IU	4310 KVO (TKO)
4315 L/MIN	4320 LITERS
4325 LPM	4330 MCG
4335 MCG/KG/MIN	4340 MEQ
4345 MG	4350 MG/KG/MIN
4355 ML	4360 ML/HR
4365 Other	4370 Puffs

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number	E18_01 Date/Time Medication Administered
E18_02 Medication Administered Prior to this Units EMS Care	E18_03 Medication Given
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_07 Response to Medication
E18_08 Medication Complication	E18_09 Medication Crew Member ID
E18_10 Medication Authorization	E18_11 Medication Authorizing Physician

References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

RESPONSE TO MEDICATION

E18_07

Data [combo] single-choice

Definition

The patient's response to the medication.

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

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

Required in XSD No

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E18_01 Date/Time Medication Administered	E18_02 Medication Administered Prior to this Units EMS Care
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_08 Medication Complication	E18_09 Medication Crew Member ID
E18_10 Medication Authorization	E18_11 Medication Authorizing Physician

MEDICATION COMPLICATION

E18_08

Data [combo] multiple-choice

National Element

Definition

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

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

Required in XSD Yes

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E18_01 Date/Time Medication Administered	E18_02 Medication Administered Prior to this Units EMS Care
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_09 Medication Crew Member ID
E18_10 Medication Authorization	E18_11 Medication Authorizing Physician

MEDICATION CREW MEMBER ID

E18_09

Data [text]

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CrewMemberID*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 15
XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

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

Additional Information

- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, D08_02, and D08_03 for easy data entry

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E18_01 Date/Time Medication Administered	E18_02 Medication Administered Prior to this Units EMS Care
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_08 Medication Complication
E18_10 Medication Authorization	E18_11 Medication Authorizing Physician

References in NHTSA Version 1

Essential Element 26 Crew Member One Number
Essential Element 27 Crew Member Two Number
Desirable Element 28 Crew Member Three Number

MEDICATION AUTHORIZING PHYSICIAN

E18_11

Data [text]

Definition

The last name of the authorizing physician ordering the medication administration if the order was provided by any manner other than protocol (standing order) in E18.10

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *LastName*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 20
XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

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

Additional Information

- Associated with Medication Authorization (E18_10) if the value is not "Protocol"

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E18_01 Date/Time Medication Administered	E18_02 Medication Administered Prior to this Units EMS Care
E18_03 Medication Given	E18_04 Medication Administered Route
E18_05 Medication Dosage	E18_06 Medication Dosage Units
E18_07 Response to Medication	E18_08 Medication Complication
E18_09 Medication Crew Member ID	E18_10 Medication Authorization

Intervention/ Procedure

DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

E19_01

Data [date/time]

Definition

The date and time the procedure was performed on the patient

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

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

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E19_02 Procedure Performed Prior to this Units EMS Care

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_05 Number of Procedure Attempts

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

E19_12 Successful IV Site

E19_13 Tube Confirmation

E19_14 Destination Confirmation of Tube Placement

References in NHTSA Version 1

Desirable Element 58 Time of First CPR

Desirable Element 63 Time of First Defibrillatory Shock

PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE

E19_02

Data [combo] single-choice

Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS unit's care.

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

Required in XSD No

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

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

Additional Information

- If E19_02 is "Yes", the Date/Time Medication Administered (E19_01) is not required

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_03 Procedure
E19_04 Size of Procedure Equipment	E19_05 Number of Procedure Attempts
E19_06 Procedure Successful	E19_07 Procedure Complication
E19_08 Response to Procedure	E19_09 Procedure Crew Members ID
E19_10 Procedure Authorization	E19_11 Procedure Authorizing Physician

Data [combo] single-choice

National Element

Definition

The procedure performed on the patient.

XSD Data Type *xs:decimal* **XSD Domain (Simple Type)** *Procedure*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD Yes **Minimum Constraint** 0 **Maximum Constraint** 1,000
 XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

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

Additional Information

- List created from Procedures (D04_04)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_02 Procedure Performed Prior to this Units EMS Care
E19_04 Size of Procedure Equipment	E19_05 Number of Procedure Attempts
E19_06 Procedure Successful	E19_07 Procedure Complication
E19_08 Response to Procedure	E19_09 Procedure Crew Members ID
E19_10 Procedure Authorization	E19_11 Procedure Authorizing Physician

References in NHTSA Version 1

Desirable Element 58 Time of First CPR
 Desirable Element 63 Time of First Defibrillatory Shock

References to Other Databases

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

SIZE OF PROCEDURE EQUIPMENT

E19_04

Data [text]

Definition

The size of equipment used in the procedure on the patient

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *SizeOfProcedureEquipment*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 20
XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

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

Additional Information

- Can be entered as text or configured as a List Box with the specific size associated with each Procedure listed for each EMS Agency (D04_04) in the Demographic Dataset

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_02 Procedure Performed Prior to this Units EMS Care
E19_03 Procedure	E19_05 Number of Procedure Attempts
E19_06 Procedure Successful	E19_07 Procedure Complication
E19_08 Response to Procedure	E19_09 Procedure Crew Members ID
E19_10 Procedure Authorization	E19_11 Procedure Authorizing Physician

References in NHTSA Version 1

Essential Element 78 Procedure or Treatment Name

NUMBER OF PROCEDURE ATTEMPTS

E19_05

Data [number]

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NumberOfProcedureAttempts*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint -25

Maximum Constraint 100

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_02 Procedure Performed Prior to this Units EMS Care

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

PROCEDURE SUCCESSFUL

E19_06

Data [combo] single-choice

National Element

Definition

Indication of whether or not the procedure performed on the patient was successful

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

1 Yes

-20 Not Recorded

-10 Not Known

0 No

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E19_01 Date/Time Procedure Performed Successfully

E19_03 Procedure

E19_05 Number of Procedure Attempts

E19_08 Response to Procedure

E19_10 Procedure Authorization

E01_01 Patient Care Report Number

E19_02 Procedure Performed Prior to this Units EMS Care

E19_04 Size of Procedure Equipment

E19_07 Procedure Complication

E19_09 Procedure Crew Members ID

E19_11 Procedure Authorizing Physician

PROCEDURE COMPLICATION

E19_07

Data [combo] multiple-choice

National Element

Definition

Any complication associated with the performance of the procedure on the patient

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

Required in XSD Yes

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4500 None
4505 Altered Mental Status	4510 Apnea
4515 Bleeding	4520 Bradycardia
4525 Diarrhea	4530 Esophageal Intubation-immediately
4535 Esophageal Intubation-other	4540 Extravasation
4545 Hypertension	4550 Hyperthermia
4555 Hypotension	4560 Hypoxia
4565 Injury	4570 Itching/Urticaria
4575 Nausea	4580 Other
4585 Respiratory Distress	4590 Tachycardia
4595 Vomiting	

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_02 Procedure Performed Prior to this Units EMS Care
E19_03 Procedure	E19_04 Size of Procedure Equipment
E19_05 Number of Procedure Attempts	E19_06 Procedure Successful
E19_08 Response to Procedure	E19_09 Procedure Crew Members ID
E19_10 Procedure Authorization	E19_11 Procedure Authorizing Physician

RESPONSE TO PROCEDURE

E19_08

Data [combo] single-choice

Definition

The patient's response to the procedure

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

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

Required in XSD No

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4600 Improved
4605 Unchanged	4610 Worse

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_02 Procedure Performed Prior to this Units EMS Care
E19_03 Procedure	E19_04 Size of Procedure Equipment
E19_05 Number of Procedure Attempts	E19_06 Procedure Successful
E19_07 Procedure Complication	E19_09 Procedure Crew Members ID
E19_10 Procedure Authorization	E19_11 Procedure Authorizing Physician

Data [text]

Definition

The statewide assigned ID number of the EMS crew member performing the procedure on the patient

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *CrewMemberID*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 15
 XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

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

Additional Information

- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, D08_02, and D08_03 for easy data entry

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_02 Procedure Performed Prior to this Units EMS Care
E19_03 Procedure	E19_04 Size of Procedure Equipment
E19_05 Number of Procedure Attempts	E19_06 Procedure Successful
E19_07 Procedure Complication	E19_08 Response to Procedure
E19_10 Procedure Authorization	E19_11 Procedure Authorizing Physician

References in NHTSA Version 1

Essential	Element 26	Crew Member One Number
Essential	Element 27	Crew Member Two Number
Desirable	Element 28	Crew Member Three Number

PROCEDURE AUTHORIZING PHYSICIAN

E19_11

Data [text]

Definition

The last name of the authorizing physician ordering the procedure, if the order was provided by any manner other than protocol (standing order)

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ProcedureAuthorizingPhysician*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 20
XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

Field Values

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

Additional Information

- Associated with Procedure Authorization (E19_10) if the value is not "Protocol"

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E19_01 Date/Time Procedure Performed Successfully	E19_02 Procedure Performed Prior to this Units EMS Care
E19_03 Procedure	E19_04 Size of Procedure Equipment
E19_05 Number of Procedure Attempts	E19_06 Procedure Successful
E19_07 Procedure Complication	E19_08 Response to Procedure
E19_09 Procedure Crew Members ID	E19_10 Procedure Authorization

SUCCESSFUL IV SITE

E19_12

Data [combo] multiple-choice

Definition

The location of the IV site (if applicable) on the patient

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4635 Antecubital-Left
4640 Antecubital-Right	4645 External Jugular-Left
4650 External Jugular-Right	4655 Femoral-Left IV
4660 Femoral-Left Distal IO	4665 Femoral-Right IV
4670 Femoral-Right IO	4675 Forearm-Left
4680 Forearm-Right	4685 Hand-Left
4690 Hand-Right	4695 Lower Extremity-Left
4700 Lower Extremity-Right	4705 Other
4710 Scalp	4715 Sternal IO
4720 Tibia IO-Left	4725 Tibia IO-Right
4730 Umbilical	

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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TUBE CONFIRMATION

E19_13

Data [combo] multiple-choice

Definition

Endotracheal Tube placement verification at the time the airway procedure was done

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TubeConfirmation*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4735 Auscultation of Bilateral Breath Sounds

4740 Colormetric CO2 Detector Confirmation

4745 Digital CO2 Confirmation

4750 Esophageal Bulb Aspiration confirmation

4755 Negative Auscultation of the Epigastrium

4760 Visualization of the Chest Rising with ventilation

4765 Visualization of Tube Passing Through the Cords

4770 Waveform CO2 Confirmation

Additional Information

- Associated with Procedure (E19_03) if Airway Procedure leads to Intubation

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_03 Procedure

DESTINATION CONFIRMATION OF TUBE PLACEMENT

E19_14

Data [combo] multiple-choice

Definition

Endotracheal Tube location verification on the arrival at the Destination (if applicable)

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4775 Auscultation of Bilateral Breath Sounds
4780 Colormetric CO2 Detector Confirmation	4785 Digital CO2 Confirmation
4790 Esophageal Bulb Aspiration confirmation	4795 Negative Auscultation of the Epigastrium
4800 Visualization of the Chest Rising with ventilation	4805 Visualization of Tube Passing Through the Cords
4810 Waveform CO2 Confirmation	

Additional Information

- Associated with Procedure (E19_03) if Airway Procedure leads to Intubation

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E19_03 Procedure

Disposition

DESTINATION/TRANSFERRED TO, NAME

E20_01

Data [text]

Definition

The destination the patient was delivered or transferred to

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

Field Values

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

Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04_11) and Other Destinations (D04_13)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_02 Destination/Transferred To, Code	

DESTINATION/TRANSFERRED TO, CODE

E20_02

Data [text]

Definition

The code of the destination the patient was delivered or transferred to, if present and available

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

Field Values

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

Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04_12) and Other Destinations (D04_14)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	

DESTINATION STREET ADDRESS

E20_03

Data [text]

Definition

The street address of the destination the patient was delivered or transferred to

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *StreetAddress*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: E20_03, E20_04, E20_05, and E20_07 are all members of E2-_03_0 Destination Address Structure

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	E20_04 Destination City
E20_05 Destination State	E20_07 Destination Zip Code

DESTINATION CITY

E20_04

Data [combo] single-choice

Definition

The city name of the destination the patient was delivered or transferred to

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *City*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: E20_03, E20_04, E20_05, and E20_07 are all members of E2-_03_0 Destination Address Structure

Field Values

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

Additional Information

- 5 digit FIPS Code
- Could be filled in from Destination Zip Code (E20_07)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	E20_03 Destination Street Address
E20_05 Destination State	E20_07 Destination Zip Code

DESTINATION STATE

E20_05

Data [combo] single-choice

Definition

The destination State in which the patient was delivered or transferred to

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *State*
Multiple Entry Configuration No **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 3
XSD Structure: E20_03, E20_04, E20_05, and E20_07 are all members of E2-_03_0 Destination Address Structure

Field Values

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

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Destination Zip Code (E20_07)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	E20_03 Destination Street Address
E20_04 Destination City	E20_07 Destination Zip Code

DESTINATION COUNTY

E20_06

Data [combo] single-choice

Definition

The destination County in which the patient was delivered or transferred to

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>County</i>
Multiple Entry Configuration No	Accepts Null Values Yes
Required in XSD No	Minimum Constraint 2 Maximum Constraint 5

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	

DESTINATION ZIP CODE

E20_07

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 10

XSD Structure: E20_03, E20_04, E20_05, and E20_07 are all members of E2-_03_0 Destination Address Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

- Can be 5 or 9 digit Zip Code

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the destination location
- Allows data to describe patient's geographic destination
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

E20_03 Destination Street Address

E20_04 Destination City

E20_05 Destination State

INCIDENT/PATIENT DISPOSITION

E20_10

Data [combo] single-choice

National Element

Definition

Type of disposition treatment and/or transport of the patient.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IncidentPatientDisposition*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

4815 Cancelled

4820 Dead at Scene

4825 No Patient Found

4830 No Treatment Required

4835 Patient Refused Care

4840 Treated and Released

4845 Treated, Transferred Care

4850 Treated, Transported by EMS

4855 Treated, Transported by Law Enforcement

4860 Treated, Transported by Private Vehicle

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 47 Incident/Patient Disposition

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Disposition; Pick-List: FD Transport to Emergency Care Facility (ECF) = 1, Non-FD Transport = 2, Non-FD Transport with FD Attendant = 3, Non-Emergency Transfer = 4, Other = O, Not Transported under EMS = N

HOW PATIENT WAS MOVED TO AMBULANCE

E20_11

Data [combo] single-choice

Definition

The method the patient was moved to the ambulance from the scene

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *HowPatientWasMovedToAmbulance*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4865 Assisted/Walk

4870 Carry

4875 Stairchair

4880 Stretcher

4885 Other

Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

POSITION OF PATIENT DURING TRANSPORT

E20_12

Data [combo] single-choice

Definition

The position of the patient during transport from the scene

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PositionOfPatientDurningTransport*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4890 Car Seat

4895 Fowlers

4900 Lateral

4905 Prone

4910 Semi-Fowlers

4915 Sitting

4920 Supine

4925 Other

Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

HOW PATIENT WAS TRANSPORTED FROM AMBULANCE

E20_13

Data [combo] single-choice

Definition

The method the patient was moved from the ambulance to the destination

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *HowPatientWasTransportedFromAmbulance*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4930 Assisted/Walk

4935 Carry

4940 Stairchair

4945 Stretcher

4950 Other

Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

TRANSPORT MODE FROM SCENE

E20_14

Data [combo] single-choice

National Element

Definition

Indication whether or not lights and/or sirens were used on the vehicle while leaving scene

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TransportModeFromScene*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4955 Initial Lights and Sirens, Downgraded to No Lights or Sirens

4960 Initial No Lights or Sirens, Upgraded to Lights and Sirens

4965 Lights and Sirens

4970 No Lights or Sirens

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the transportation mode
- Allows data to describe transportation mode used by EMS

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 46 Lights and Sirens used from the Scene

CONDITION OF PATIENT AT DESTINATION

E20_15

Data [combo] single-choice

Definition

The condition of the patient after care by EMS

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4975 Improved
4980 Unchanged	4985 Worse

Uses

- Outcome indicator
- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

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

References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Patient Status; The patient's status when transferred to another agency.; Pick-List: Improved = 1, Remained Same = 2, Worsened = 3

REASON FOR CHOOSING DESTINATION

E20_16

Data [combo] single-choice

National Element

Definition

The reason the unit chose to deliver or transfer the patient to the destination

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ReasonForChoosingDestination*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4990 Closest Facility (none below)
4995 Diversion	5000 Family Choice
5005 Insurance Status	5010 Law Enforcement Choice
5015 On-Line Medical Direction	5020 Other
5025 Patient Choice	5030 Patient's Physicians Choice
5035 Protocol	5040 Specialty Resource Center

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the destination choice
- Allows data to give a reason for choosing the patient's destination which is important to document from a specialty care agency and diversion/overcrowding perspective

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 45 Destination Determination

TYPE OF DESTINATION

E20_17

Data [combo] single-choice

National Element

Definition

The type of destination the patient was delivered or transferred to

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfDestination*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

7270 Home

7280 Hospital

7290 Medical Office/Clinic

7300 Morgue

7320 Nursing Home

7330 Other

7340 Other EMS Responder (air)

7350 Other EMS Responder (ground)

7360 Police/Jail

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted or grouped based on the EMS transports destination type
- Allows data to describe EMS patient's destination type

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

References in NHTSA Version 1

Essential Element 44 Destination/Transferred To

Medical Device Data

AED, PACING, OR CO2 MODE

E21_05

Data [text]

Definition

The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *AEDPacingOrCO2Mode*

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

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

5210 Automated	5215 Manual
5220 Advisory	5225 Demand
5230 Sensing	5235 Mid-Stream
5240 Side-Stream	

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number	E21_01 Event Date/Time
E21_02 Medical Device Event Name	

ECG LEAD

E21_06

Data [text]

Definition

The lead or source which the medical device used to obtain the rhythm (if appropriate for the event)

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

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

5245 I	5250 II
5255 III	5260 AVR
5265 AVL	5270 AVF
5275 V1	5280 V2
5285 V3	5290 V4
5295 V5	5300 V6
5305 Paddle	

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number	E21_01 Event Date/Time
E21_02 Medical Device Event Name	

ECG INTERPRETATION

E21_07

Data [text]

Definition

The interpretation of the rhythm by the device (if appropriate for the event)

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ECGInterpretation*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 2,000
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

SHOCK OR PACING ENERGY

E21_09

Data [number]

Definition

The energy used for the shock or pacing event (if appropriate for the event)

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *ShockOrPacingEnergy*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 1

Maximum Constraint 9,000

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number

E21_01 Event Date/Time

E21_02 Medical Device Event Name

TOTAL NUMBER OF SHOCKS DELIVERED

E21_10

Data [number]

Definition

The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *TotalNumberOfShocks*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 100
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

PACING RATE

E21_11

Data [number]

Definition

The rate the device was calibrated to pace during the event, if appropriate.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PacingRate*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 1,000
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

DEVICE HEART RATE

E21_12

Data [number]

Definition

The heart rate electronically obtained by the device (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PulseRate*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 500
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Electronic Monitor Rate (E14_08)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

Outcome and Linkage

EMERGENCY DEPARTMENT DISPOSITION

E22_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EmergencyDepartmentDisposition*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

5335 Admitted to Hospital Floor

5340 Admitted to Hospital ICU

5345 Death

5350 Not Applicable (Not Transported to ED)

5355 Released

5360 Transferred

Uses

- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

HOSPITAL DISPOSITION

E22_02

Data [combo] single-choice

National Element

Definition

Indication of how the patient was dispositioned from the hospital, if admitted.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *HospitalDisposition*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

5365 Death

5370 Discharged

5375 Transfer to Hospital

5380 Transfer to Nursing Home

5385 Transfer to Other

5390 Transfer to Rehabilitation Facility

Uses

- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

- **UTSTEIN** Title: Survived Event to ED/ICU; Admitted to ED, Admitted to ICU

Data [text]

Definition

The unique number associated with the local or state trauma registry which can be used for linkage at a later date.

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

Field Values

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

Uses

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and Trauma Data for Outcome evaluation

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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PATIENT ID BAND/TAG NUMBER

E22_06

Data [text]

Definition

The unique number associated with a patient ID band agency. This is used by a few states as a universal linkage between healthcare data agencies.

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

Field Values

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

Uses

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and the other components of the healthcare agency

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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Miscellaneous

PERSONAL PROTECTIVE EQUIPMENT USED

E23_03

Data [combo] multiple-choice

Definition

The personal protective equipment which was used by EMS personnel during this EMS patient contact.

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	5435 Eye Protection
5440 Gloves	5445 Level A Suit
5450 Level B Suit	5455 Level C Suit
5460 Mask	5465 Other

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

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

SUSPECTED INTENTIONAL, OR UNINTENTIONAL DISASTER

E23_04

Data [combo] multiple-choice

Definition

Suspicion of the listed multi-casualty or domestic terrorism causes.

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	5470	Biologic Agent
5475	Building Failure	5480	Chemical Agent
5485	Explosive Device	5490	Fire
5495	Hostage Event	5500	Mass Gathering
5505	Nuclear Agent	5510	Radioactive Device
5515	Secondary Destructive Device	5520	Shooting/Sniper
5525	Vehicular	5530	Weather

Uses

- May assist in the tracking and identification of Disaster or Terrorism related events

Data Collector

- EMS personnel

Other Associated Elements

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

SUSPECTED CONTACT WITH BLOOD/BODY FLUIDS OF EMS INJURY OR DEATH

E23_05

Data [combo] single-choice

Definition

Indication of unprotected contact with blood or body fluids

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E23_06 Type of Suspected Blood/Body Fluid Exposure, Injury, or Death

E23_07 Personnel Exposed

TYPE OF SUSPECTED BLOOD/BODY FLUID EXPOSURE, INJURY, OR

E23_06

Data [combo] multiple-choice

Definition

The type of exposure or unprotected contact with blood or body fluids

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	5540	Contact to Broken Skin
5545	Contact to Intact Skin	5550	Contact with Eye
5555	Contact with Mucosal Surface	5560	Inhalation Exposure
5565	Needle Stick with Fluid Injection	5570	Needle Stick without Fluid Injection
5575	Other Physical injury	5580	Death
5585	None		

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E23_05	Suspected Contact with Blood/Body Fluids of EMS Injury or Death	E23_07	Personnel Exposed

PERSONNEL EXPOSED

E23_07

Data [combo] multiple-choice

Definition

The EMS personnel who was/were exposed to unprotected contact with blood or body fluids

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PersonnelExposed*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

5590 This EMS Crew

5595 Non-EMS individual

5600 Other EMS Personnel

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E23_05 Suspected Contact with Blood/Body Fluids of EMS Injury or Death

E23_06 Type of Suspected Blood/Body Fluid Exposure, Injury, or Death

REQUIRED REPORTABLE CONDITIONS

E23_08

Data [combo] single-choice

Definition

The presence of any condition which is reportable based on federal or state regulations.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Uses

- Allows reports to be generated to assist in the required reporting of mandated medical or social conditions
- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

WHO GENERATED THIS REPORT?

E23_10

Data [text]

Definition

The statewide assigned ID number of the EMS crew member which completed this patient care report

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

Field Values

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

Additional Information

- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, D08_02, and D08_03 for easy data entry

Uses

- Important for the Quality Management evaluation
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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