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Introduction

This dataset is composed of specific data elements from the National Highway Traffic Safety (NHTSA) Uniform Prehospital EMS Dataset. The data elements chosen based on their importance for the documentation, evaluation, and management of EMS at the local and state level.

Every EMS System in West Virginia must electronically submit these data elements to the West Virginia Office of Emergency Medical Services as defined in regulation. Please contact the West Virginia Office of Emergency Medical Services for implementation details.

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

Version 1.22 Changes

Change in the contents of Field 23_11 from “Medical Command Call Identification Number” to “Medical Command Run ID Number” to accommodate NEMSIS field limitations.

Version 1.21 Changes

Version 1.21 has:

Change formatting, spelling and table of contents issues.
Documented the already established use of field E02_12 to record the West Virginia assigned vehicle sticker number in place of the Radio Call Sign.

Corrected the naming of the Field E23_11 in the list comparing the NEMSIS Gold, the WV required elements and the National (NEMSIS Silver) data elements.

**Version 1.2 Changes**

Version 1.2 has added the requirement for the reporting of Field E13_01 and E23_11.

Field E23_11 has been added because; by NEMSIS definition, field E23_11 identifies the content of NEMSIS field E23_09 and E23_09 cannot exist without E23_11. As E23_09 will only and always contains the “Medical Command Run Identification Number” when available, field E23_11 should contain the text “Medical Command Run Identification Number” to identify the contents of E23_09.

Field E13_01 has been added because; WVOEMS has determined that it is impossible to appropriately evaluate the appropriate delivery of EMS Services without inclusion of the free formed narrative.
Section I
Comparison of National Emergency Medical Services Information System (NEMSIS) And West Virginia Prehospital Electronic Patient Care Record Items
# Section I Comparison of NEMSSIS and WVPEPCR

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| E08_02 | Other Services at Scene | X |
| E08_03 | Estimated Date/Time Initial Responder Arrived on Scene | X | X |
| E08_04 | Date/Time Initial Responder Arrived on Scene | X |
| E08_05 | Number of Patients at Scene | X | X | X
| E08_06 | Mass Casualty Incident | X | X | X
| E08_07 | Incident Location Type | X | X |
| E08_08 | Incident Facility Code | X | X |
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| E08_10 | Scene GPS Location | X |
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<td>Destination Zip Code</td>
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<td>E20_08</td>
<td>Destination GPS Location</td>
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<td>E20_09</td>
<td>Destination Zone Number</td>
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<tr>
<td>E20_10</td>
<td>Incident/Patient Disposition</td>
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<tr>
<td>E20_11</td>
<td>How Patient Was Moved to Ambulance</td>
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<tr>
<td>E20_12</td>
<td>Position of Patient During Transport</td>
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<tr>
<td>E20_13</td>
<td>How Patient Was Transported From Ambulance</td>
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<td>E20_14</td>
<td>Transport Mode from Scene</td>
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<td>E20_15</td>
<td>Condition of Patient at Destination</td>
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<td>E20_16</td>
<td>Reason for Choosing Destination</td>
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<td>Waveform Graphic Type</td>
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<td>E21_04</td>
<td>Waveform Graphic</td>
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<td>E21_05</td>
<td>AED, Pacing, or CO2 Mode</td>
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<td>E21_06</td>
<td>ECG Lead</td>
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<td>Code</td>
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<td>E21_07</td>
<td>ECG Interpretation</td>
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<td>E21_09</td>
<td>Shock or Pacing Energy</td>
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<td>E21_10</td>
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<td>Fire Incident Report Number</td>
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<td>E22_06</td>
<td>Patient ID Band/Tag Number</td>
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<td>E23_01</td>
<td>Review Requested</td>
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<td>E23_02</td>
<td>Potential Registry Candidate</td>
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<td>Personal Protective Equipment Used</td>
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<td>E23_04</td>
<td>Suspected Intentional, or Unintentional Disaster</td>
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<td>E23_05</td>
<td>Suspected Contact with Blood/Body Fluids, EMS Injury/Death</td>
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<td>----------------------------------------------------------</td>
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<td>E23_07</td>
<td>Personnel Exposed</td>
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<td>E23_08</td>
<td>Required Reportable Conditions</td>
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<td>E23_09</td>
<td>Medical Command Run Identification Number</td>
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<td>E23_10</td>
<td>Who Generated this Report?</td>
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<td>E23_11</td>
<td>Research Survey Field Title</td>
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**NHTSA Uniform Pre-Hospital Emergency Medical Services (EMS) Dataset Version 2.2.1 (2006)**

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E00 COMMON NULL VALUES

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

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.
**E01_01  PATIENT CARE REPORT NUMBER**

**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.

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

**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
**E01_02  SOFTWARE CREATOR**

**Data**  [text]  

**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
E01_03 SOFTWARE NAME

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
**E01_04  SOFTWARE VERSION**

**Data**  
[text]

**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
E02_01 EMS AGENCY NUMBER

Data [text] National Element

Definition
The state-assigned provider number of the responding agency

XSD Data Type xs:string XSD Domain (Simple Type) EMSAgencyNumber
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

Section E02 Unit/ Agency Information
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**E02_02 INCIDENT NUMBER**

**Data**  
[text]

**Definition**  
The incident number assigned by the 911 Dispatch System

- **XSD Data Type**: xs:string  
- **XSD Domain (Simple Type)**: IncidentNumber
- **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
E02_04  TYPE OF SERVICE REQUESTED

Data  [combo] single-choice

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)
40  Interfacility Transfer
50  Mutual Aid
35  Intercept
45  Medical Transport
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
E02_05 PRIMARY ROLE OF THE UNIT

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) PrimaryRoleOfTheUnit
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
**E02_06  TYPE OF DISPATCH DELAY**

**Data**  [combo] multiple-choice

**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  
-15 Not Reporting  
-10 Not Known  
-5 Not Available  
85 High Call Volume  
95 Location (Inability to Obtain)  
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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
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</thead>
</table>

| E01_01 | Patient Care Report Number |

**References in NHTSA Version 1**

Desirable  Element 56  Factors Affecting EMS Delivery of Care
**E02_07  TYPE OF RESPONSE DELAY**

**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**

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<th>Description</th>
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<td>Not Reporting</td>
</tr>
<tr>
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<td>Not Available</td>
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<td>Diversion</td>
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<td>Vehicle Failure</td>
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<td>Other</td>
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<td>165</td>
<td>Staff Delay</td>
</tr>
<tr>
<td>175</td>
<td>Vehicle Crash</td>
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<tr>
<td>185</td>
<td>Weather</td>
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</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
</table>

**References in NHTSA Version 1**

Desirable Element 56 Factors Affecting EMS Delivery of Care
E02_08 TYPE OF SCENE DELAY

Data  [combo] multiple-choice

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

XSD Data Type  xs:integer
XSD Domain (Simple Type)  TypeOfSceneDelay
Accepts Null Values  Yes
Required in XSD  Yes

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
195 Directions
205 Diversion
215 HazMat
225 None
235 Safety
245 Traffic
255 Vehicle Failure
-20 Not Recorded
-10 Not Known
190 Crowd
200 Distance
210 Extrication >20 min.
220 Language Barrier
230 Other
240 Staff Delay
250 Vehicle Crash
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
E02_09 TYPE OF TRANSPORT DELAY

Data [combo] multiple-choice

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
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
E02_10 TYPE OF TURN-AROUND DELAY

Data [combo] multiple-choice

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 -10 Not Known
-15 Not Reporting 330 Clean-up
-5 Not Available 340 Decontamination
335 Decontamination 345 ED Overcrowding
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
E02_12 EMS UNIT Sticker Number

Data [combo] single-choice

Definition
The EMS unit sticker number used by WVOEMS to identify each individual EMS Unit/Vehicle. This number is assigned when the vehicle is first inspected by WVEMS. This number is associated with the vehicle VIN number and will never be changed or assigned to another vehicle.

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
● Relevant Value for Data Element & Patient Care

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

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

Data Collector
● EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements
E01_01 Patient Care Report Number
**E02_16  BEGINNING ODOMETER READING OF RESPONDING VEHICLE**

**Data**

[number]

**Definition**

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

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

**Field Values**

- Relevant Value for Data Element & Patient Care

**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
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
• Relevant Value for Data Element & Patient Car

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
Data [number]

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

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
● Relevant Value for Data Element & Patient Care

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
**E02_20 RESPONSE MODE TO SCENE**

**Data**  
[combo] single-choice  

**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
E03_01  COMPLAINT REPORTED BY DISPATCH

**Data**  
[combo] single-choice  

**National Element**

**Definition**

The complaint dispatch reported to the responding unit.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>ComplaintReportedByDispatch</td>
</tr>
</tbody>
</table>

**Multiple Entry Configuration**  
No

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**Field Values**

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

**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

---

**Section E03  Unit/ Call Information**  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E03_02  EMD PERFORMED**

**Data**  
[combo] single-choice

**National Element**

**Definition**
Indication of whether EMD was performed for this EMS event.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>EMDPerformed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
570 Yes, With Pre-Arrival Instructions

-20 Not Recorded  
-10 Not Known  
0 No  
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
**E03_03  EMD CARD NUMBER**

**Data**  
[text]

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

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

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

**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

---

Section E03  Unit/ Call Information
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E04_01 CREW MEMBER ID**

**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

- Relevant Value for Data Element & Patient Care

**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
E04_02 CREW MEMBER ROLE

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
E04_01 Crew Member ID
E01_01 Patient Care Report Number
E04_03 Crew Member Level

Section E04 Unit/ Personnel Information
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 155
E04_03 CREW MEMBER LEVEL

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

Section E04 Unit/ Personnel Information
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
NHTS (NEMSIS) Page Number 156
E05_02  PSAP CALL DATE/ TIME

Data  [date/time]  

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  
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  
● Relevant Value for Data Element & Patient Care

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
E05_04 UNIT NOTIFIED BY DISPATCH DATE/TIME

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
● Relevant Value for Data Element & Patient Care

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
**E05_05 UNIT EN ROUTE DATE TIME**

**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

**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**

- Relevant Value for Data Element & Patient Care

**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
E05_06 UNIT ARRIVED ON SCENE DATE/ TIME

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 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
● Relevant Value for Data Element & Patient Care

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
E05_07  ARRIVED AT PATIENT DATE/ TIME

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  Accepts Null Values  Yes, but null value is blank or empty
Multiple Entry Configuration  No  Minimum Constraint  1,990
Required in XSD  Yes  Maximum Constraint  2,030

Field Values
● Relevant Value for Data Element & Patient Care

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  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.
**E05_09 UNIT LEFT SCENE DATE/ TIME**

**Data**  
[date/time]

**National Element**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>DateTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>1,990</td>
</tr>
</tbody>
</table>

**Field Values**  
- Relevant Value for Data Element & Patient Care

**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
E05_10  PATIENT ARRIVED AT DESTINATION DATE/ TIME

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
● Relevant Value for Data Element & Patient Care

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
**E05_11 UNIT BACK IN SERVICE DATE/TIME**

**Data** [date/time]  

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

**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**  
- Relevant Value for Data Element & Patient Care

**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

---

*Section E05 Times*  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

*NHTS (NEMSIS) Page Number 168*
E05_12  UNIT CANCELLED DATE/TIME

Data  [date/time]

Definition  The date/time if the unit’s call was cancelled

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

Field Values
● Relevant Value for Data Element & Patient Care

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

Section  E05 Times  NHTS (NEMSIS) Page Number 169
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
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  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
● Relevant Value for Data Element & Patient Care

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
E06_01  LAST NAME

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  ● Relevant Value for Data Element & Patient Care

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

Section E06  Patient
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 172
**E06_02 FIRST NAME**

**Data**  [text]

**Definition**
The patient's first (given) name

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>FirstName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**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
E06_03 MIDDLE INITIAL/ NAME

Data [text]

Definition
The patient's middle name, if any

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>MiddleInitialName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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

Other Associated Elements
- E00 Common Null Values
- E06_01 Last Name
- E01_01 Patient Care Report Number
- E06_02 First Name

References in NHTSA Version 1
Essential Element 32 Patient Name

Section E06 Patient
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

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E06_04 PATIENT'S HOME ADDRESS

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

● Relevant Value for Data Element & Patient Care

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

Section E06 Patient
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

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**E06_05 PATIENT'S HOME CITY**

**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**
- E06_01 Last Name  
- E06_06 Patient's Home County  
- E06_08 Patient's Home Zip Code

**References in NHTSA Version 1**
Desirable Element 34 City of Residence
**E06_06 PATIENT'S HOME COUNTY**

**Data** 
[combo] single-choice

**Definition**
The patient's home county or parish or residence

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

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

**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
- E06_01 Last Name
- E06_05 Patient's Home City
- E06_08 Patient's Home Zip Code
- E01_01 Patient Care Report Number
- E06_04 Patient's Home Address
- E06_07 Patient's Home State

**References in NHTSA Version 1**
Desirable Element 35 County of Residence
E06_07 PATIENT’S HOME STATE

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  ● Relevant Value for Data Element & Patient Care

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
### E06_08 PATIENT'S HOME ZIP CODE

**Data**

<table>
<thead>
<tr>
<th>Data</th>
<th>[text]</th>
</tr>
</thead>
</table>

**National Element**

**Definition**

The patient's home ZIP code of residence

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Zip</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>10</td>
</tr>
</tbody>
</table>

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

**Field Values**

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E06.01</td>
<td>Last Name</td>
</tr>
<tr>
<td>E06_05</td>
<td>Patient's Home City</td>
</tr>
<tr>
<td>E06_07</td>
<td>Patient's Home State</td>
</tr>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
<tr>
<td>E06_04</td>
<td>Patient's Home Address</td>
</tr>
<tr>
<td>E06_06</td>
<td>Patient's Home County</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**

Essential Element 37 Zip Code of Residence
**E06_09 PATIENT’S HOME COUNTRY**

**Data**
[combo] single-choice

**Definition**
The patient’s country of citizenship

**XSD Data Type**  xs:string  **XSD Domain (Simple Type)**  Country
**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 FIPS code
- Relevant Value for Data Element & Patient Care

**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_10 SOCIAL SECURITY NUMBER

Data [number]

Definition
The patient's social security number

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available

-20 Not Recorded
-10 Not Known
● Relevant Value for Data Element & Patient Care

Uses
● Key component 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
E06_01 Last Name

E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable Element 39 Social Security Number
E06_11 GENDER

Data [combo] single-choice

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
**E06_12 RACE**

**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
- 15 Not Reporting
- 5 Not Available
  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
**E06_13 ETHNICITY**

**Data** [combo] single-choice

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

**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
E06_14 AGE

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
● Relevant Value for Data Element & Patient Care

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.
**E06_15 AGE UNITS**

**Data**  
[combo] single-choice  

**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  
-15 Not Reporting  
-5 Not Available  
705 Days  
710 Months

**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  
- E06_14 Age  
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

Desirable Element 41 Age
**E06_16 DATE OF BIRTH**

**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**

- Relevant Value for Data Element & Patient Care

**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.
E06_17  PRIMARY OR HOME TELEPHONE NUMBER

Data  [text]

Definition
The patient's home or primary telephone number

XSD Data Type  xs:string  XSD Domain (Simple Type)  TelephoneNumber
Multiple Entry Configuration  No  Accepts Null Values  Yes
Required in XSD  No  Minimum Constraint  2  Maximum Constraint  10

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  ● Relevant Value for Data Element & Patient Care

Additional Information
● 10 digit telephone number

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

References in NHTSA Version 1
Desirable  Element 38  Telephone Number
E07_01 PRIMARY METHOD OF PAYMENT

Data  [combo] single-choice

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
-15 Not Reporting
-5 Not Available
725 Medicaid
735 Not Billed (for any reason)
745 Self Pay

-20 Not Recorded
-10 Not Known
720 Insurance
730 Medicare
740 Other Government
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

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E07_15  WORK-RELATED

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
-15 Not Reporting
-5 Not Available
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
E06_01  Last Name
E01_01  Patient Care Report Number

Section E07  Billing
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

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PATIENT’S OCCUPATIONAL INDUSTRY

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
E07_17  PATIENT’S OCCUPATION

**Data**  
[combo] single-choice

**Definition**  
The occupation of the patient

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>PatientsOccupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
840 Business and Financial Operations Occupations  
850 Architecture and Engineering Occupations  
860 Community and Social Services Occupations  
870 Education, Training, and Library Occupations  
880 Healthcare Practitioners and Technical Occupations  
890 Protective Service Occupations  
900 Building and Grounds Cleaning and Maintenance Occupations  
910 Sales and Related Occupations  
920 Farming, Fishing and Forestry Occupations  
930 Installation, Maintenance, and Repair Occupations  
940 Transportation and Material Moving Occupations  
835 Management Occupations  
845 Computer and Mathematical Occupations  
855 Life, Physical, and Social Science Occupations  
865 Legal Occupations  
875 Arts, Design, Entertainment, Sports, and Media Occupations  
885 Healthcare Support Occupations  
895 Food Preparation and Serving Related Occupations  
905 Personal Care and Service Occupations  
915 Office and Administrative Support Occupations  
925 Construction and Extraction Occupations  
935 Production Occupations  
945 Military Specific Occupations

**Additional Information**

- Recorded if Work Related (E07_15) also with Patient's Occupational Industry (E07_16)

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

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*Section E07  Billing*  
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E07_34 CMS SERVICE LEVEL

Data [combo] single-choice

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
-15 Not Reporting
-5 Not Available
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
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.

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Condition Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
<td>8001 Severe Abdominal Pain (ALS-789.00)</td>
</tr>
<tr>
<td>-15 Not Reporting</td>
<td>8003 Abnormal Cardiac Rhythm/Cardiac Dysrhythmia (ALS-427.9)</td>
</tr>
<tr>
<td>-5 Not Available</td>
<td>8005 Abnormal Vital Signs (ALS-796.4)</td>
</tr>
<tr>
<td>8002 Abdominal Pain (ALS-789.00)</td>
<td>8007 Allergic Reaction (BLS-692.9)</td>
</tr>
<tr>
<td>8004 Abnormal Skin Signs (ALS-780.8)</td>
<td>8009 Respiratory Arrest (ALS-799.1)</td>
</tr>
<tr>
<td>8006 Allergic Reaction (ALS-995.0)</td>
<td>8011 Cardiac Arrest-Resuscitation in Progress (ALS-427.5)</td>
</tr>
<tr>
<td>8008 Blood Glucose (ALS-790.21)</td>
<td>8013 Choking Episode (ALS-784.9)</td>
</tr>
<tr>
<td>8010 Difficulty Breathing (ALS-786.05)</td>
<td>8015 Cold Exposure (BLS-991.9)</td>
</tr>
<tr>
<td>8012 Chest Pain (non-traumatic) (ALS-786.50)</td>
<td>8017 Convulsions/Seizures (ALS-780.39)</td>
</tr>
<tr>
<td>8014 Cold Exposure (ALS-991.6)</td>
<td>8019 Non Traumatic Headache (ALS-437.9)</td>
</tr>
<tr>
<td>8016 Altered Level of Consciousness (non-traumatic) (ALS-780.01)</td>
<td>8021 Cardiac Symptoms other than Chest Pain (atypical pain) (ALS-536.2)</td>
</tr>
<tr>
<td>8018 Eye Symptoms (non-traumatic) (BLS-379.90)</td>
<td>8023 Heat Exposure (BLS-992.2)</td>
</tr>
<tr>
<td>8020 Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1)</td>
<td>8025 Infectious Diseases requiring Isolation/Public Health Risk (BLS-038.9)</td>
</tr>
<tr>
<td>8022 Heat Exposure (ALS-992.5)</td>
<td>8027 Medical Device Failure (ALS-996.0)</td>
</tr>
<tr>
<td>8024 Hemorrhage (ALS-459.0)</td>
<td>8029 Neurologic Distress (ALS-436.0)</td>
</tr>
<tr>
<td>8026 Hazmat Exposure (ALS-987.9)</td>
<td>8031 Back Pain (non-traumatic possible cardiac or vascular) (ALS-724.5)</td>
</tr>
<tr>
<td>8028 Medical Device Failure (BLS-996.3)</td>
<td>8033 Poisons (all routes) (ALS-977.9)</td>
</tr>
<tr>
<td>8030 Pain (Severe) (ALS-780.99)</td>
<td>8035 Severe Alcohol Intoxication (ALS-977.3)</td>
</tr>
<tr>
<td>8032 Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9)</td>
<td>8037 Pregnancy Complication/Childbirth/Labor (ALS-650.0)</td>
</tr>
<tr>
<td>8034 Alcohol Intoxication or Drug Overdose (BLS-305.0)</td>
<td>8039 Psychiatric/Behavioral (threat to self or others) (BLS-298.9)</td>
</tr>
<tr>
<td>8036 Post-Operative Procedure Complications (BLS-998.9)</td>
<td>8041 Severe Dehydration (ALS-787.01)</td>
</tr>
<tr>
<td>8038 Psychiatric/Behavioral (abnormal mental status) (ALS-292.9)</td>
<td>8043 Major Trauma (ALS-959.8)</td>
</tr>
<tr>
<td>8040 Sick Person-Fever (BLS-036.9)</td>
<td>8045 Other Trauma (major bleeding) (ALS-958.2)</td>
</tr>
<tr>
<td>8042 Unconscious/Syncope/Dizziness (ALS-780.02)</td>
<td>8047 Other Trauma (penetrating extremity) (BLS-880.0)</td>
</tr>
<tr>
<td>8044 Other Trauma (need for monitor or airway) (ALS-518.5)</td>
<td>8049 Other Trauma (amputation other) (ALS-887.4)</td>
</tr>
<tr>
<td>8046 Other Trauma (fracture/dislocation) (BLS-829.0)</td>
<td>8051 Burns-Major (ALS-949.3)</td>
</tr>
<tr>
<td>8048 Other Trauma (amputation digits) (BLS-886.0)</td>
<td>8053 Animal Bites/Sting/Envenomation (ALS-989.5)</td>
</tr>
<tr>
<td>8050 Other Trauma (suspected internal injuries) (ALS-869.0)</td>
<td>8055 Lightning (ALS-994.0)</td>
</tr>
<tr>
<td>8052 Burns-Minor (BLS-949.2)</td>
<td>8057 Near Drowning (ALS-994.1)</td>
</tr>
<tr>
<td>8054 Animal Bites/Sting/Envenomation (ALS-879.8)</td>
<td>8059 Sexual Assault (major injuries) (ALS-995.83)</td>
</tr>
<tr>
<td>8056 Electrocut (ALS-994.8)</td>
<td>8061 Cardiac/Hemodynamic Monitoring Required (ALS-428.9)</td>
</tr>
<tr>
<td>8058 Eye Injuries (BLS-921.9)</td>
<td>8063 IV Meds Required (ALS-No ICD code provided))</td>
</tr>
<tr>
<td>8060 Sexual Assault (minor injuries) (BLS-995.8)</td>
<td>8065 Suctioning/Oxygen/IV fluids required (BLS-496.0)</td>
</tr>
<tr>
<td>8062 Advanced Airway Management (ALS-518.81)</td>
<td>8068 Other (ALS-999.9)</td>
</tr>
<tr>
<td>8064 Chemical Restraint (ALS-293.0)</td>
<td>8069 Other (BLS-000.0)</td>
</tr>
</tbody>
</table>

**Section E07: Billing**

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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)
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
E07_36 ICD-9 Code for the Condition Code Number
E01_01 Patient Care Report Number
E07_37 Condition Code Modifier
E07_37  CONDITION CODE MODIFIER

**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  
-15 Not Reporting  
 - 5 Not Available  
-20 Not Recorded  
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 |
E08_01  OTHER EMS AGENCIES AT SCENE

Data [combo] multiple-choice

Definition
Other EMS agencies that were at the scene, if any

XSD Data Type xs:string  XSD Domain (Simple Type) OtherEMS Agencies At Scene
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  ● Relevant Value for Data Element & Patient Care

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
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)** EstimatedDateTimeInitialResponderOnScene

<table>
<thead>
<tr>
<th>Multiple Entry Configuration</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Field Values</td>
<td></td>
</tr>
<tr>
<td>-25 Not Applicable</td>
<td>-20 Not Recorded</td>
</tr>
<tr>
<td>-15 Not Reporting</td>
<td>-10 Not Known</td>
</tr>
<tr>
<td>-5 Not Available</td>
<td>1100 &gt;15 minutes</td>
</tr>
<tr>
<td>1105 5 - 15 Minutes</td>
<td>1110 &lt;5 Minutes</td>
</tr>
<tr>
<td>1115 After EMS</td>
<td></td>
</tr>
</tbody>
</table>

**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
E08_05  NUMBER OF PATIENTS AT SCENE

Data  [combo] single-choice

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.
**E08_06 MASS CASUALTY INCIDENT**

**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

-15 Not Reporting

-5 Not Available

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
**Definition**

The kind of location where the incident happened

**XSD Data Type**  \( \text{xs:integer} \)  
**XSD Domain (Simple Type)** \( \text{IncidentLocationType} \)  
**Multiple Entry Configuration** No  
**Accepts Null Values** Yes  
**Required in XSD** Yes  

### Field Values

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

### 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
## E08_08 INCIDENT FACILITY CODE

### Data

[text]

### Definition

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>IncidentFacilityCode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>30</td>
</tr>
</tbody>
</table>

### Field Values

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

- Relevant Value for Data Element & Patient Care

### Additional Information

- Could be a editable list box Created from Hospitals Facility Number (D04_12) and Other Destination Facility Number (D04_14)

### Uses

- 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

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E08_07</td>
<td>Incident Location Type</td>
</tr>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
</tbody>
</table>
**E08_11 INCIDENT ADDRESS**

**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.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>StreetAddress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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  
● Relevant Value for Data Element & Patient Care

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
<th>E01_01</th>
<th>Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E08_07</td>
<td>Incident Location Type</td>
<td>E08_12</td>
<td>Incident City</td>
</tr>
<tr>
<td>E08_14</td>
<td>Incident State</td>
<td>E08_15</td>
<td>Incident ZIP Code</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**

Essential Element 01 Incident Address
E08_12 INCIDENT CITY

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
E08_13 INCIDENT COUNTY

**Data**  
[combo] single-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>County</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>5</td>
</tr>
</tbody>
</table>

**Field Values**  
-25 Not Applicable  
-20 Not Recorded  
-15 Not Reporting  
-10 Not Known  
-5 Not Available  
● Relevant Value for Data Element & Patient Care

**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  
E08_07 Incident Location Type

**References in NHTSA Version 1**  
Essential Element 03 Incident County
**E08_14 INCIDENT STATE**

**Data**  
[combo] single-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
- E08_07 Incident Location Type
- E08_12 Incident City
- E01_01 Patient Care Report Number
- E08_11 Incident Address
- 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


**E08_15 INCIDENT ZIP CODE**

**Data**  
[text]

**Definition**  
The ZIP code of the incident location

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

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

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

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

**Other Associated Elements**
- E00 Common Null Values
- E08_07 Incident Location Type
- E08_11 Incident Address
- E08_12 Incident City
- E08_14 Incident State
- E01_01 Patient Care Report Number

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Section E08  
Scene  
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**National Element**

**E09_01  PRIOR AID**

**Data**
[combo] multiple-choice

**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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  

- Relevant Value for Data Element & Patient Care

**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**
- Time of First CPR
- Desirable Element 58

**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
**E09_02 PRIOR AID PERFORMED BY**

**Data**  [combo] multiple-choice

**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
-15 Not Reporting
-5 Not Available
1200 Law Enforcement
1210 Other Healthcare Provider
1195 EMS Provider
1205 Lay Person
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
E09_03  OUTCOME OF THE PRIOR AID

Data  [combo] single-choice

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
-15  Not Reporting
-5  Not Available
1225  Unchanged

-20  Not Recorded
-10  Not Known
1220  Improved
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
**E09_04 POSSIBLE INJURY**

**Data**  [combo] single-choice

**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  
-15 Not Reporting  
-5 Not Available  
-0 Not Known  
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

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Section E09  **Situation**

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111
E09_05  CHIEF COMPLAINT

Data  [text]

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

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

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

● Relevant Value for Data Element & Patient Care

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
E09_06  DURATION OF CHIEF COMPLAINT

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
● Relevant Value for Data Element & Patient Care

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
**E09_07 TIME UNITS OF DURATION OF CHIEF COMPLAINT**

**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

- Relevant Value for Data Element & Patient Care

**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
**E09_08  SECONDARY COMPLAINT NARRATIVE**

**Data**  
[text]

**Definition**  
The narrative of the patient's secondary complaint

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

**Field Values**

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

* Relevant Value for Data Element & Patient Care

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**

Desirable Element 48 Chief Complaint

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*Section E09  Situation*

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**E09_09 DURATION OF SECONDARY COMPLAINT**

**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**

- Relevant Value for Data Element & Patient Care

**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
E09_10  TIME UNITS OF DURATION OF SECONDARY COMPLAINT

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 Yes
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
E08_09  Secondary Complaint Narrative
E09_09  Duration of Secondary Complaint
E09_11 CHIEF COMPLAINT ANATOMIC LOCATION

Data [combo] single-choice

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
-15 Not Reporting
-5 Not Available
1310 Back
1320 Extremity-Lower
1330 General/Global
1340 Head
1305 Abdomen
1315 Chest
1325 Extremity-Upper
1335 Genitalia
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
E09_12 CHIEF COMPLAINT ORGAN SYSTEM

Data [combo] single-choice

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
-15 Not Reporting
-5 Not Available
1355 CNS/Neuro
1365 GI
1375 Musculoskeletal
1385 Psych
1395 Renal

-20 Not Recorded
-10 Not Known
1350 Cardiovascular
1360 Endocrine/Metabolic
1370 Global
1380 OB/Gyn
1390 Pulmonary
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

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# E09_13 PRIMARY SYMPTOM

**Data**  
[combo] single-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>PrimarySymptom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**References in NHTSA Version 1**  
- Essential Element 52 Signs and Symptoms Present
**E09_14 OTHER ASSOCIATED SYMPTOMS**

**Data**  [combo] multiple-choice

**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
-15 Not Reporting
-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
Data [combo] single-choice

**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
1630 780.09- Altered level of consciousness
1640 427.50- Cardiac arrest
1650 786.50- Chest pain / discomfort
1660 994.80- Electrocutation
1670 780.90- Hypothermia
1680 987.90- Inhalation injury (toxic gas)
1690 977.90- Poisoning / drug ingestion
1700 786.09- Respiratory distress
1710 780.30- Seizure
1720 987.90- Smoke inhalation
1730 436.00- Stroke / CVA
1740 959.90- Traumatic injury

**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

**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 Paid = 18, Diabetic Symptom = 19, Do Not Resuscitate = 20, Electrocution = 21, General Illness = 2, Hemorrhaging/Bleeding = 23, Hyperthermia = 24, Hypothermia = 25, Hypovolemia = 26, Inhalation Injury, Toxic Gases = 27, Obvious Death = 28, Overdose/Poisoning = 29, Pregnancy/OB = 30, Respiratory Arrest = 31, Respiratory Distress = 32, Seizure = 33, Sexual Assault = 34, Sting/Bite = 35, Stroke/CVA = 36, Syncope, Fainting = 37, Trauma = 38, Other Impression/Assessment = 00, None/No patient or refused Treatment = NN
E09_16 PROVIDER’S SECONDARY IMPRESSION

Data [combo] single-choice

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
-15 Not Reporting
-5 Not Available
1755 519.80- Airway obstruction
1765 780.09- Altered level of consciousness
1775 427.50- Cardiac arrest
1785 786.50- Chest pain / discomfort
1795 994.80- Electrocution
1805 780.90- Hypothermia
1815 987.90- Inhalation injury (toxic gas)
1825 977.90- Poisoning / drug ingestion
1835 786.09- Respiratory distress
1845 780.30- Seizure
1855 987.90- Smoke inhalation
1865 436.00- Stroke / CVA
1875 959.90- Traumatic injury

-20 Not Recorded
-10 Not Known
1750 789.00- Abdominal pain / problems
1760 995.30- Allergic reaction
1770 312.90- Behavioral / psychiatric disorder
1780 427.90- Cardiac rhythm disturbance
1790 250.90- Diabetic symptoms (hypoglycemia)
1800 780.60- Hyperthermia
1810 785.59- Hypovolemia / shock
1820 798.99- Obvious death
1830 659.90- Pregnancy / OB delivery
1840 799.10- Respiratory arrest
1850 959.90- Sexual assault / rape
1860 989.50- Stings / venomous bites
1870 780.20- Syncope / fainting
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
# E10_01 CAUSE OF INJURY

**Data**  
[combo] single-choice

**National Element**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>CauseOfInjury</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multiple Entry Configuration</strong></td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Required in XSD</strong></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
9500 Aircraft related accident (E84X.0)  
9515 Chemical poisoning (E86X.0)  
9525 Drowning (E910.0)  
9535 Electrocution (non-lightning) (E925.0)  
9545 Excessive Heat (E900.0)  
9555 Fire and Flames (E89X.0)  
9565 Firearm injury (accidental) (E985.0)  
9575 Lightning (E907.0)  
9585 Mechanical Suffocation (E913.0)  
9595 Motor Vehicle traffic accident (E81X.0)  
9605 Non-Motorized Vehicle Accident (E848.0)  
9615 Radiation exposure (E926.0)  
9625 Smoke Inhalation (E89X.2)  
9635 Stabbing/Cutting Assault (E966.0)  
9645 Venemous stings (plants, animals) (E905.0)  

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
</table>

**References in NHTSA Version 1**

<table>
<thead>
<tr>
<th>Essential</th>
<th>Element</th>
<th>Cause of Injury</th>
</tr>
</thead>
</table>

**References to Other Databases**

- NFIRS 5.0  
- EMS Module; Title: Cause of Illness/Injury; The immediate cause or condition responsible for the injury or illness; Pick-List: Chemical Exposure = 10, Drug Poisoning = 11, Fall = 12, Aircraft Related = 13, Bite, Includes Animal Bites = 14, Bicycle Accident = 15, Building Collapse/Construction Accident = 16, Downing = 17, Electrical Shock = 18, Cold = 19, Heat = 20, E explosives - 21, Fire and Flames - 22, Firearm = 23, Fireworks = 25, Lightning = 26, Machinery = 27, Mechanical Suffocation = 28, Motor Vehicle Accident = 29, Motor Vehicle Accident, Pedestrian = 30, Non-Traffic Vehicle (off road) Accident = 31, Physical Assault/Abuse = 32, Scalds/Other Thermal = 33, Smoke Inhalation = 34, Stabbing Assault = 35, Venomous Sting = 36, Water Transport = 37, Other Cause of Injury/Illness = 00, Unknown Cause of Injury/Illness = UU
E10_02  INTENT OF THE INJURY

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
-15  Not Reporting
-5  Not Available
2025  Intentional, Self

-20  Not Recorded
-10  Not Known
2020  Intentional, Other (Assaulted)
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

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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
-15 Not Reporting
-5 Not Available
2040 Burn
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
E10_04  VEHICULAR INJURY INDICATORS

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
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
2055 Dash Deformity
2065 Ejection
2075 Rollover/Roof Deformity
2085 Space Intrusion >1 foot
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

Section E10  Situation/ Trauma
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

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**E10_05 AREA OF THE VEHICLE IMPACTED BY THE COLLISION**

**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
-15 Not Reporting
-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
**E10_06  SEAT ROW LOCATION OF PATIENT IN VEHICLE**

**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**
- Relevant Value for Data Element & Patient Care
  - 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
E10_07  POSITION OF PATIENT IN THE SEAT OF THE VEHICLE
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
**E10_08 USE OF OCCUPANT SAFETY EQUIPMENT**

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

**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**

**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
**E10_09 AIRBAG DEPLOYMENT**

**Data**

[combo] multiple-choice

**Definition**

Indication of Airbag deployment during the motor vehicle crash.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>AirbagDeployment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
2220 No Airbag Deployed
2230 Airbag Deployed Side
2215 No Airbag Present
2225 Airbag Deployed Front
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
**E10_10  HEIGHT OF FALL**

**Data**  
[number]

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

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

**Field Values**  
- Relevant Value for Data Element & Patient Care

**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
E11_01 CARDIAC ARREST

**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
E11_02 CARDIAC ARREST ETIOLOGY

Data [combo] single-choice

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
-15 Not Reporting
-5  Not Available
2255 Trauma
2265 Respiratory
2275 Other
2250 Presumed Cardiac
2260 Drowning
2270 Electrocution

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
E11_03 RESUSCITATION ATTEMPTED

Data [combo] multiple-choice

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
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
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
**E11_04 ARREST WITNESSED BY**

**Data**  
[combo] single-choice

**Definition**  
Indication of who the cardiac arrest was witnessed by

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ArrestWitnessedBy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Required in XSD**  
No

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
2310 Witnessed by Healthcare Provider  
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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
</tbody>
</table>

**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
**E11_05  FIRST MONITORED RHYTHM OF THE PATIENT**

**Data**  
[combo] single-choice

**Definition**  
Documentation of what the first monitored rhythm which was noted

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>FirstMonitoredRhythm</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
2330 Bradycardia
2340 Other
2350 Unknown AED Non-Shockable Rhythm
2360 Ventricular Fibrillation
2325 Asystole
2335 Normal Sinus Rhythm
2345 PEA
2355 Unknown AED Shockable Rhythm
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
**E11_06** ANY RETURN OF SPONTANEOUS CIRCULATION

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
-15 Not Reporting
-5 Not Available

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
E11_08 ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL

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
-15 Not Reporting
-5 Not Available
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
E11_09  DATE/ TIME RESUSCITATION DISCONTINUED

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  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
● Relevant Value for Data Element & Patient Care

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
E11_10 REASON CPR DISCONTINUED

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
**E11_11 CARDIAC RHYTHM ON ARRIVAL AT DESTINATION**

**Data**
[combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>CardiacRythmAtDestination</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
</tbody>
</table>

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

2455 12 Lead ECG-Anterior Ischemia
2465 12 Lead ECG-Lateral Ischemia
2475 Artifact
2485 Atrial Fibrillation/Flutter
2495 AV Block-2nd Degree-Type 1
2505 AV Block-3rd Degree
2515 Left Bundle Branch Block
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
E12_01 BARRIERS TO PATIENT CARE

Data [combo] multiple-choice

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

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E12_02  SENDING FACILITY MEDICAL RECORD NUMBER

Data  [text]

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

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

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  ● Relevant Value for Data Element & Patient Care

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
**E12_03 DESTINATION MEDICAL RECORD NUMBER**

**Data** [text]

**Definition**
The patient’s medical record number at the patient’s receiving facility

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-10 Not Known
-20 Not Recorded
-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
**E12_07 ADVANCED DIRECTIVES**

**Data**  [combo] multiple-choice

**Definition**
The presence of a valid form 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
-15  Not Reporting
-5  Not Available
-20  Not Recorded
-10  Not Known

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

---

Section E12  Medical History
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 296
E12_18 PRESENCE OF EMERGENCY INFORMATION FORM

**Data**
[combo] single-choice

**Definition**
Indication of the presence of the Emergency Information Form associated with patient’s with special healthcare needs.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>YesNoValues</th>
</tr>
</thead>
</table>

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

| Required in XSD | No |

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
1 Yes

-20 Not Recorded
-10 Not Known
0 No

**Uses**
- A component of the EMS Medical Record: Patient Care Report
- Used to identify EMS patient’s who may need special EMS resources within a community
- Used to quickly identify patients during an Emergency or Disaster who may need additional resources or evacuation

**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
E12_19 ALCOHOL/DRUG USE INDICATORS

Data [combo] multiple-choice

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
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
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
**E12_20 PREGNANCY**

**Data**  
[combo] single-choice

**Definition**  
Indication of the possibility by the patient’s history of current pregnancy

**XSD Data Type**  
`xs:integer`

**XSD Domain (Simple Type)**  
`YesNoValues`

**Multiple Entry Configuration**  
No

**Accepts Null Values**  
Yes

**Required in XSD**  
No

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
1 Yes

-20 Not Recorded
-10 Not Known
0 No

**Uses**

- Part of an EMS Medical Record

**Data Collector**

- EMS personnel

**Other Associated Elements**

E00 Common Null Values

E01_01 Patient Care Report Number
**Data**

[text]

**Definition**

The narrative of the run report

**XSD Data Type**  xs:string  
**XSD Domain (Simple Type)**  RunReportNarrative  
**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
E14_01 DATE/ TIME VITAL SIGNS TAKEN

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 is section E14 is associated with a E14_01 Date/Time

Field Values
● Relevant Value for Data Element & Patient Care

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
**E14_02 Obtained Prior To This Unit's EMS Care**

**Data** [combo] single-choice

**Definition**
Indicates that the information which is documented was obtained prior to the EMS unit's care creating 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 an E14_01 Date/Time

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

**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
- E14_01 Date/Time Vital Signs Taken
- E01_01 Patient Care Report Number
**E14_03 CARDIAC RHYTHM**

**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 is section E14 is associated with a E14_01 Date/Time

**Field Values**

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

E14_01  Date/Time Vital Signs Taken

**References in NHTSA Version 1**

Desirable  Element  66  Initial Cardiac Rhythm

---

Section E14  Assessment/ Vital Signs  

NHTS (NEMSIS) Page Number 315

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E14_04  SBP (SYSTOLIC BLOOD PRESSURE)

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 is 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
• Relevant Value for Data Element & Patient Care

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_05  DBP (Diastolic Blood Pressure)
E14_06  Method of Blood Pressure Measurement

References in NHTSA Version 1
Essential  Element  70  Systolic Blood Pressure

Section E14  Assessment/ Vital Signs
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 316
### E14_05  DBP (DIASTOLIC BLOOD PRESSURE)

**Data**  
[number]

**Definition**  
The patient's diastolic blood pressure

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DBP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>300</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure:  
(1) Each element is 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**  
• Relevant Value for Data Element & Patient Care

**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**  
<table>
<thead>
<tr>
<th>E01_01</th>
<th>Patient Care Report Number</th>
<th>E14_01</th>
<th>Date/Time Vital Signs Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>E14_04</td>
<td>SBP (Systolic Blood Pressure)</td>
<td>E14_06</td>
<td>Method of Blood Pressure Measurement</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**  
Essential Element 71  
Diastolic Blood Pressure
**E14_06 METHOD OF BLOOD PRESSURE MEASUREMENT**

**Data**  
[combo] single-choice

**Definition**  
Indication of method of blood pressure procedure.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>MethodOfBloodPressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>No</td>
</tr>
</tbody>
</table>

**Required in XSD**  
No

**XSD Structure:**  
(1) Each element is 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)
E14_07 PULSE RATE

Data [number]

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

XSD Data Type xs:integer
XSD Domain (Simple Type) PulseRate
Multiple Entry Configuration Yes, via structure
Accepts Null Values Yes, but null value is blank or empty
Required in XSD No
Minimum Constraint 0
Maximum Constraint 500
XSD Structure: Each element is section E14 is associated with a E14_01 Date/Time

Field Values
● Relevant Value for Data Element & Patient Care

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
**E14_08 ELECTRONIC MONITOR RATE**

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

**Required in XSD**  No  
**Minimum Constraint**  0  
**Maximum Constraint**  500

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

**Field Values**

- Relevant Value for Data Element & Patient Care

**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
**E14_09 PULSE OXI METRY**

**Data**  
[number]

**Definition**  
The patient's oxygen saturation

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>PulseOximetry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multiple Entry Configuration</strong></td>
<td>Yes, via structure</td>
<td><strong>Accepts Null Values</strong></td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td><strong>Required in XSD</strong></td>
<td>No</td>
<td><strong>Minimum Constraint</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Maximum Constraint</strong></td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**  
● Relevant Value for Data Element & Patient Care

**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
E14_10 PULSE RHYTHM

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 is section E14 is associated with a E14_01 Date/Time

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3180 Irregular

3175 Regular

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

Data Collector
● EMS personnel

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

Section E14  Assessment/ Vital Signs
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 322
**E14_11 RESPIRATORY RATE**

**Data**
[number]

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>RespiratoryRate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**
- Relevant Value for Data Element & Patient Care

**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
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 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  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
**E14_13 CARBON DIOXIDE**

**Data**  
[number]

**Definition**  
The patient’s end-tidal or other CO2 level.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>CO2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**  
● Relevant Value for Data Element & Patient Care

**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
**E14_14 BLOOD GLUCOSE LEVEL**

**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 is section E14 is associated with a E14_01 Date/Time

**Field Values**

- Relevant Value for Data Element & Patient Care

**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

---

**Section**  E14  Assessment/ Vital Signs

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 326
**E14_18 GLASGOW COMA SCORE-QUALIFIER**

**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 is 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
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
3210 Initial GCS has legitimate values without interventions such as intubation and sedation
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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
<th>E01_01</th>
<th>Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E14_01</td>
<td>Date/Time Vital Signs Taken</td>
<td>E14_15</td>
<td>Glasgow Coma Score-Eye</td>
</tr>
<tr>
<td>E14_16</td>
<td>Glasgow Coma Score-Verbal</td>
<td>E14_17</td>
<td>Glasgow Coma Score-Motor</td>
</tr>
<tr>
<td>E14_19</td>
<td>Total Glasgow Coma Score</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section E14  Assessment/ Vital Signs  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E14_19 TOTAL GLASGOW COMA SCORE

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

Field Values
● Relevant Value for Data Element & Patient Care

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_15 Glasgow Coma Score-Eye
E14_17 Glasgow Coma Score-Motor
E14_01 Date/Time Vital Signs Taken
E14_16 Glasgow Coma Score-Verbal
E14_18 Glasgow Coma Score-Qualifier

References in NHTSA Version 1
Desirable Element 76 Glasgow Coma Score (Total)

Section E14 Assessment/ Vital Signs
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
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**E14_20 TEMPERATURE**

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 is 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**

- Relevant Value for Data Element & Patient Care

**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
E14_21 TEMPERATURE METHOD

Data [combo] single-choice

Definition
The method used to obtain the patient's body temperature

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>TemperatureMethod</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element is 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
3240 Rectal
3250 Urinary catheter
3235 Oral
3245 Tympanic

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
E14_22 LEVEL OF RESPONSIVENESS

Data [combo] single-choice

Definition
The patient's level of responsiveness

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>LevelOfResponsiveness</th>
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</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Required in XSD: No

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3260 Verbal
3270 Unresponsive
3255 Alert
3265 Painful

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

Data Collector
- EMS personnel

Other Associated Elements
- E00 Common Null Values
- E14_01 Date/Time Vital Signs Taken
- E01_01 Patient Care Report Number
**E14_23 PAIN SCALE**

**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

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

**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**  
- Relevant Value for Data Element & Patient Care

**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
E14_24 STROKE SCALE

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 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 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
**E14_25 THROMBOLYTIC SCREEN**

**Data**
[combo] single-choice

**Definition**
The results of the patient’s Thrombolytic Screen for potential Thrombolytic use

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
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<tbody>
<tr>
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<td>Accepts Null Values</td>
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<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3310 No 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
**E14_27 REVISIONED TRAUMA SCORE**

**Data**

[number]

**Definition**

The patient's Revised Trauma Score

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>RTS</th>
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<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**

- Relevant Value for Data Element & Patient Care

**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

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Section E14 Assessment/Vital Signs

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E14_28  PEDIATRIC TRAUMA SCORE

Data  [number]

Definition
The Trauma Score for patients age 12 and under

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
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<td>Multiple Entry Configuration</td>
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<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>-6</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Field Values
- Relevant Value for Data Element & Patient Care

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
E15_01 NHTSA INJURY MATRIX EXTERNAL/ SKIN

Data  [combo] multiple-choice

Definition
Type of injury identified and associated with the external body/Skin (including burns)

XSD Data Type  xs:integer  XSD Domain (Simple Type)  NHTSAInjuryMatrix
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  3320 Amputation
3325 Bleeding Controlled  3330 Bleeding Uncontrolled
3335 Burn  3340 Crush
3345 Dislocation Fracture  3350 Gunshot
3355 Laceration  3360 Pain without swelling/bruising
3365 Puncture/stab  3370 Soft Tissue Swelling/Brusing

Additional Information
● Blunt Injury Removed from NHTSA 1.0

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

References in NHTSA Version 1
Essential  Element  53  Injury Description

References to Other Databases
● NFIRS 5.0  EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N
● NFIRS 5.0  EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00

Section E15  Assessment/ Injury
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**E15_02  NHTSA INJURY MATRIX HEAD**

**Data**  
[combo] multiple-choice

**Definition**  
Type of injury identified and associated with the Head (excluding face, neck, cervical spine, and ear)

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

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
3370 Soft Tissue Swelling/Bruising
3320 Amputation
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising

**Additional Information**

- Blunt Injury Removed from NHTSA 1.0

**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

**References in NHTSA Version 1**

- Essential Element 53 Injury Description
E15_03 NHTSA INJURY MATRIX FACE

Data  [combo] multiple-choice

Definition
Type of injury identified and associated with the Face (including ear)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>NHTSAInjuryMatrix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
320 Not Recorded
-10 Not Known
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/Bruising

Additional Information
- Blunt Injury Removed from NHTSA 1.0

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

References in NHTSA Version 1
Essential Element 53 Injury Description
E15_04  NHTSA INJURY MATRIX NECK

Data [combo] multiple-choice

Definition Type of injury identified and associated with the Neck

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
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<tbody>
<tr>
<td>Multiple Entry Configuration</td>
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<td>Accepts Null Values</td>
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</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values

-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
-20 Not Recorded
-10 Not Known
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/Brusing

Additional Information

- Blunt Injury Removed from NHTSA 1.0

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

References in NHTSA Version 1

- Essential Element 53 Injury Description

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N

- NFIRS 5.0 EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
**E15_05 NHTSA INJURY MATRIX THORAX**

**Data**  
[combo] multiple-choice

**Definition**  
Type of injury identified and associated with the Thorax (excluding the thoracic spine)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>NHTSAInjuryMatrix</th>
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</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

-25  Not Applicable  
-15  Not Reporting  
-5  Not Available  
3225  Bleeding Controlled  
3335  Burn  
3345  Dislocation Fracture  
3355  Laceration  
3365  Puncture/stab

-20  Not Recorded  
-10  Not Known  
3330  Bleeding Uncontrolled  
3340  Crush  
3350  Gunshot  
3360  Pain without swelling/bruising  
3370  Soft Tissue Swelling/Bruising

**Additional Information**

- Blunt Injury Removed from NHTSA 1.0

**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

**References in NHTSA Version 1**

Essential  Element 53  Injury Description

**References to Other Databases**

- **NFIRS 5.0**  EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N

- **NFIRS 5.0**  EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
E15_06 NHTSA INJURY MATRIX ABDOMEN

Data  [combo] multiple-choice

Definition
Type of injury identified and associated with the Abdomen (excluding the lumbar spine)

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab

-20 Not Recorded
-10 Not Known
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/Brusing

Additional Information
● Blunt Injury Removed from NHTSA 1.0

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

References in NHTSA Version 1
Essential  Element 53  Injury Description

References to Other Databases
● NFIRS 5.0 EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N

● NFIRS 5.0 EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
**E15_07 NHTSA INJURY MATRIX SPINE**

**Data**
[combo] multiple-choice

**Definition**
Type of injury identified and associated with the Spine

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-20 Not Recorded
-15 Not Reporting
-10 Not Known
-5 Not Available
-5 Not Available
-5 Not Available
3250 Amputation
3300 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/Brusing

**Additional Information**
- Blunt Injury Removed from NHTSA 1.0

**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

**References in NHTSA Version 1**

**Essential Element 53 Injury Description**

**References to Other Databases**

- **NFIRS 5.0** EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N

- **NFIRS 5.0** EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
E15_08 NHTSA INJURY MATRIX UPPER EXTREMITIES

**Data**
[combo] multiple-choice

**Definition**
Type of injury identified and associated with the Upper Extremities

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>NHTSAInjuryMatrix</th>
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</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-15 Not Reporting
-10 Not Known
-5 Not Available
3320 Amputation
3325 Bleeding Controlled
3330 Bleeding Uncontrolled
3335 Burn
3340 Crush
3345 Dislocation Fracture
3350 Gunshot
3355 Laceration
3360 Pain without swelling/bruising
3365 Puncture/stab
3370 Soft Tissue Swelling/Bruiising

**Additional Information**
- Blunt Injury Removed from NHTSA 1.0

**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

**References in NHTSA Version 1**
Essential Element 53 Injury Description

**References to Other Databases**
- **NFIRS 5.0** EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N
- **NFIRS 5.0** EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00

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**E15_09 NHTSA INJURY MATRIX PELVIS**

**Data**  
[combo] multiple-choice

**Definition**  
Type of injury identified and associated with the Pelvis

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>NHTSAInjuryMatrix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
3320 Amputation
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/Brising

**Additional Information**
- Blunt Injury Removed from NHTSA 1.0

**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

**References in NHTSA Version 1**
- Essential Element 53 Injury Description

**References to Other Databases**
- **NFIRS 5.0** EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N
- **NFIRS 5.0** EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
E15_10  NHTSA INJURY MATRIX LOWER EXTREMITIES

Data  [combo] multiple-choice

Definition  Type of injury identified and associated with the Lower Extremities

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
<th>NHTSAInjuryMatrix</th>
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</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values

-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
-20 Not Recorded
-10 Not Known
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/Brusing

Additional Information

● Blunt Injury Removed from NHTSA 1.0

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

References in NHTSA Version 1

Essential  Element 53  Injury Description

References to Other Databases

● NFIRS 5.0  EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N

● NFIRS 5.0  EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
E15_11  NHTSA INJURY MATRIX UNSPECIFIED

Data  [combo] multiple-choice

Definition
Type of injury identified and associated with Unspecified

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
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<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Field Values
-25 Not Applicable
-20 Not Recorded
-15 Not Reporting
-10 Not Known
-5 Not Available
3320 Amputation
3325 Bleeding Controlled
3330 Bleeding Uncontrolled
3335 Burn
3340 Crush
3345 Dislocation Fracture
3350 Gunshot
3355 Laceration
3360 Pain without swelling/bruising
3365 Puncture/stab
3370 Soft Tissue Swelling/Brusing

Additional Information
● Blunt Injury Removed from NHTSA 1.0

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

References in NHTSA Version 1
Essential Element 53 Injury Description

References to Other Databases
● NFIRS 5.0 EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N

● NFIRS 5.0 EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00

Section E15  Assessment/ Injury
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Section E16  Assessment/ Exam

NHTS (NEMSI S) Page Number 353
E16_01  ESTIMATED BODY WEIGHT

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
● Relevant Value for Data Element & Patient Care

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
E16_02 BROSELOW/ LUTEN COLOR

Data [combo] single-choice

Definition
The Broselow/Luten Color as take from the tape

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>BroselowLutenColor</th>
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</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
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<td>Accepts Null Values</td>
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</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3375 Blue
3385 Grey
3395 Pink
3405 Red
3410 White
3415 Yellow

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

Section E16 Assessment/ Exam
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 355
E16_04 SKIN ASSESSMENT

**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  
3425 Not Done  3420 Normal
3435 Cold  3430 Clamy
3445 Jaundiced  3440 Cyanotic
3455 Mottled  3450 Lividity
3465 Warm  3460 Pale

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

**References in NHTSA Version 1**
Desirable Element 72 Skin Perfusion

Section E16  Assessment/ Exam
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 357
**E16_05 HEAD/ FACE ASSESSMENT**

**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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
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**

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

Data [combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
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<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
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<td></td>
</tr>
</tbody>
</table>

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

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
E16_03 Date/Time of Assessment
E16_05 Head/Face Assessment
E16_08 Heart Assessment
E16_10 Abdomen Left Lower Assessment
E16_12 Abdomen Right Lower Assessment
E16_14 Back Cervical Assessment
E16_16 Back Lumbar/Sacral Assessment
E16_18 Extremities-Right Lower Assessment
E16_20 Extremities-Left Lower Assessment
E16_22 Eyes-Right Assessment
E16_24 Neurological Assessment

E01_01 Patient Care Report Number
E16_04 Skin Assessment
E16_06 Neck Assessment
E16_09 Abdomen Left Upper Assessment
E16_11 Abdomen Right Upper Assessment
E16_13 GU Assessment
E16_15 Back Thoracic Assessment
E16_17 Extremities-Right Upper Assessment
E16_19 Extremities-Left Upper Assessment
E16_21 Eyes-Left Assessment
E16_23 Mental Status Assessment
E16_08 HEART ASSESSMENT

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

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

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
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
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
E16_03  Date/Time of Assessment
E16_05  Head/Face Assessment
E16_07  Chest/Lungs 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_16  Back Lumbar/Sacral Assessment
E16_18  Extremities-Right Lower Assessment
E16_20  Extremities-Left Lower Assessment
E16_22  Eyes-Right Assessment
E16_24  Neurological Assessment
E01_01  Patient Care Report Number
E16_04  Skin Assessment
E16_06  Neck Assessment
E16_08  Heart Assessment
E16_10  Abdomen Lower Left Assessment
E16_15  Back Thoracic Assessment
E16_17  Extremities-Right Upper Assessment
E16_19  Extremities-Left Upper Assessment
E16_21  Eyes-Left Assessment
E16_23  Mental Status Assessment
E16_11 ABDOMEN RIGHT UPPER ASSESSMENT

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
E16_12 ABDOMEN RIGHT LOWER ASSESSMENT

**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  
-15 Not Reporting  
-5 Not Available  
3710 Not Done  
3720 Guarding  
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  
- E16_03 Date/Time of Assessment  
- E16_05 Head/Face Assessment  
- E16_07 Chest/Lungs Assessment  
- E16_09 Abdomen Left Upper Assessment  
- E16_11 Abdomen Right Upper Assessment  
- E16_14 Back Cervical Assessment  
- E16_16 Back Lumbar/Sacral Assessment  
- E16_18 Extremities-Right Lower Assessment  
- E16_20 Extremities-Left Lower Assessment  
- E16_22 Eyes-Right Assessment  
- E16_24 Neurological Assessment  
- E01_01 Patient Care Report Number  
- E16_04 Skin Assessment  
- E16_06 Neck Assessment  
- E16_08 Heart Assessment  
- E16_10 Abdomen Left Lower Assessment  
- E16_13 GU Assessment  
- E16_15 Back Thoracic Assessment  
- E16_17 Extremities-Right Upper Assessment  
- E16_19 Extremities-Left Upper Assessment  
- E16_21 Eyes-Left Assessment  
- E16_23 Mental Status Assessment
**E16_13 GU ASSESSMENT**

**Data**  
[combo] multiple-choice

**Definition**  
The assessment of the patient's GU area on examination

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>GUAssessment</th>
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<tbody>
<tr>
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<td>Accepts Null Values</td>
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<tr>
<td>Required in XSD</td>
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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  
- E16_03 Date/Time of Assessment  
- E16_05 Head/Face Assessment  
- E16_07 Chest/Lungs Assessment  
- E16_09 Abdomen Left Upper Assessment  
- E16_11 Abdomen Right Upper Assessment  
- E16_14 Back Cervical Assessment  
- E16_16 Back Lumbar/Sacral Assessment  
- E16_18 Extremities-Right Lower Assessment  
- E16_20 Extremities-Left Lower Assessment  
- E16_22 Eyes-Right Assessment  
- E16_24 Neurological Assessment  
- E01_01 Patient Care Report Number  
- E16_04 Skin Assessment  
- E16_06 Neck Assessment  
- E16_08 Heart Assessment  
- E16_10 Abdomen Left Lower Assessment  
- E16_12 Abdomen Right Lower Assessment  
- E16_15 Back Thoracic Assessment  
- E16_17 Extremities-Right Upper Assessment  
- E16_19 Extremities-Left Upper Assessment  
- E16_21 Eyes-Left Assessment  
- E16_23 Mental Status Assessment
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  
- E16_03 Date/Time of Assessment  
- E16_05 Head/Face Assessment  
- E16_07 Chest/Lungs Assessment  
- E16_09 Abdomen Left Upper Assessment  
- E16_11 Abdomen Right Upper Assessment  
- E16_13 GU Assessment  
- E16_16 Back Lumbar/Sacral Assessment  
- E16_18 Extremities-Right Lower Assessment  
- E16_20 Extremities-Left Lower Assessment  
- E16_22 Eyes-Right Assessment  
- E16_24 Neurological Assessment  
- E16_01 Patient Care Report Number  
- E16_04 Skin Assessment  
- E16_06 Neck Assessment  
- E16_08 Heart Assessment  
- E16_10 Abdomen Left Lower Assessment  
- E16_12 Abdomen Right Lower Assessment  
- E16_15 Back Thoracic Assessment  
- E16_17 Extremities-Right Upper Assessment  
- E16_19 Extremities-Left Upper Assessment  
- E16_21 Eyes-Left Assessment  
- E16_23 Mental Status Assessment
**E16_15 BACK THORACIC ASSESSMENT**

**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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
3790 Normal  
3795 Not Done  
3800 Pain to ROM  
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  
- E16_03 Date/Time of Assessment  
- E16_05 Head/Face Assessment  
- E16_07 Chest/Lungs Assessment  
- E16_09 Abdomen Left Upper Assessment  
- E16_11 Abdomen Right Upper Assessment  
- E16_13 GU Assessment  
- E16_16 Back Lumbar/Sacral Assessment  
- E16_18 Extremities-Right Lower Assessment  
- E16_20 Extremities-Left Lower Assessment  
- E16_22 Eyes-Right Assessment  
- E16_24 Neurological Assessment  
- E16_01 Patient Care Report Number  
- E16_04 Skin Assessment  
- E16_06 Neck Assessment  
- E16_10 Abdomen Left Lower Assessment  
- E16_12 Abdomen Right Lower Assessment  
- E16_14 Back Cervical Assessment  
- E16_17 Extremities-Right Upper Assessment  
- E16_19 Extremities-Left Upper Assessment  
- E16_21 Eyes-Left Assessment  
- E16_23 Mental Status Assessment
E16_16  BACK LUMBAR/ SACRAL ASSESSMENT

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
E16_17 EXTREMITIES-RIGHT UPPER ASSESSMENT

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

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**E16_18 EXTREMITIES-RIGHT LOWER ASSESSMENT**

**Data**
[combo] multiple-choice

**Definition**
The assessment of the patient's right lower extremities on examination

<table>
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<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
<th>ExtremitiesRightLowerAssessment</th>
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<td>Yes, via structure</td>
<td>Accepts Null Values</td>
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<tr>
<td>Required in XSD</td>
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<td>XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure</td>
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</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3880 Not Done
3890 Abnormal Sensation
3900 Tenderness
3875 Normal
3885 Abnormal Pulse
3895 Edema
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**

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<td>Date/Time of Assessment</td>
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<td>E16_05</td>
<td>Head/Face Assessment</td>
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<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
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<td>Back Thoracic Assessment</td>
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<td>Extremities-Right Upper Assessment</td>
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<td>E16_20</td>
<td>Extremities-Left Lower Assessment</td>
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<tr>
<td>E16_22</td>
<td>Eyes-Right Assessment</td>
</tr>
<tr>
<td>E16_24</td>
<td>Neurological Assessment</td>
</tr>
</tbody>
</table>

| E01_01 | Patient Care Report Number |
| E16_04 | Skin Assessment |
| E16_06 | Neck Assessment |
| E16_08 | Heart Assessment |
| E16_10 | Abdomen Left Lower Assessment |
| E16_12 | Abdomen Right Lower Assessment |
| E16_14 | Back Cervical Assessment |
| E16_16 | Back Lumbar/Sacral Assessment |
| E16_19 | Extremities-Left Upper Assessment |
| E16_21 | Eyes-Left Assessment |
| E16_23 | Mental Status Assessment |
**E16_19  EXTREMITIES-LEFT UPPER ASSESSMENT**

**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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
3910 Normal  
3920 Abnormal Pulse  
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_19 Extremities-Left Lower Assessment  
E16_20 Extremities-Left Upper Assessment  
E16_21 Eyes-Left Assessment  
E16_22 Eyes-Right Assessment  
E16_23 Mental Status Assessment  
E16_24 Neurological Assessment
E16_20  EXTREMITI ES-LEFT LOWER ASSESSMENT

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
E16_03  Date/Time of Assessment
E16_05  Head/face Assessment
E16_07  Chest/Lungs Assessment
E16_09  Abdomen Left Upper Assessment
E16_11  Abdomen Right Upper Assessment
E16_13  GU Assessment
E16_15  Back Thoracic Assessment
E16_17  Extremities-Right Upper Assessment
E16_19  Extremities-Left Upper Assessment
E16_22  Eyes-Right Assessment
E16_24  Neurological Assessment
E01_01  Patient Care Report Number
E16_04  Skin Assessment
E16_06  Neck Assessment
E16_08  Heart Assessment
E16_10  Abdomen Left Lower Assessment
E16_12  Abdomen Right Lower Assessment
E16_14  Back Cervical Assessment
E16_16  Back Lumbar/Sacral Assessment
E16_18  Extremities-Right Lower Assessment
E16_21  Eyes-Left Assessment
E16_23  Mental Status Assessment

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### E16_21 EYES-LEFT ASSESSMENT

**Data**  
[combo] multiple-choice

**Definition**  
The assessment of the patient's left eye on examination

<table>
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**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
-15 Not Reporting
-5 Not Available
3985 2-mm
3995 4-mm
4005 6-mm
4015 Blind
4025 Non-Reactive
3980 Not Done
3990 3-mm
4000 5-mm
4010 7-mm
4020 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**

<table>
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<td>Date/Time of Assessment</td>
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<tr>
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<td>Head/Face Assessment</td>
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<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
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<td>GU Assessment</td>
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<td>Back Thoracic Assessment</td>
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<td>Extremities-Right Upper Assessment</td>
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<td>Heart Assessment</td>
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<td>E16_10</td>
<td>Abdomen Left Lower Assessment</td>
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<td>E16_23</td>
<td>Mental Status Assessment</td>
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**E16_22 EYES-RIGHT ASSESSMENT**

**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  
-15 Not Reporting  
-5 Not Available  
4035 2-mm  
4045 4-mm  
4055 6-mm  
4065 Blind  
4075 Non-Reactive

-20 Not Recorded  
-10 Not Known  
4040 3-mm  
4050 5-mm  
4060 7-mm  
4070 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
- E16_03 Date/Time of Assessment
- E16_05 Head/Face Assessment
- E16_07 Chest/Lungs Assessment
- E16_09 Abdomen Left Upper Assessment
- E16_11 Abdomen Right Upper Assessment
- E16_13 GU Assessment
- E16_15 Back Thoracic Assessment
- E16_17 Extremities-Right Upper Assessment
- E16_19 Extremities-Left Upper Assessment
- E16_21 Eyes-Left Assessment
- E16_24 Neurological Assessment

- E01_01 Patient Care Report Number
- E16_04 Skin Assessment
- E16_06 Neck Assessment
- E16_08 Heart Assessment
- E16_10 Abdomen Left Lower Assessment
- E16_12 Abdomen Right Lower Assessment
- E16_14 Back Cervical Assessment
- E16_16 Back Lumbar/Sacral Assessment
- E16_18 Extremities-Right Lower Assessment
- E16_20 Extremities-Left Lower Assessment
- E16_23 Mental Status Assessment

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E16_23 MENTAL STATUS ASSESSMENT

Data [combo] multiple-choice

Definition
The assessment of the patient's mental status on examination

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
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<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
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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
-15 Not Reporting
-5 Not Available
4085 Not Done
4095 Confused
4105 Oriented-Person
4115 Oriented-Time

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
E16_03 Date/Time of Assessment
E16_05 Head/Face Assessment
E16_07 Chest/Lungs Assessment
E16_09 Abdomen Left Upper Assessment
E16_11 Abdomen Right Upper Assessment
E16_13 GU Assessment
E16_15 Back Thoracic Assessment
E16_17 Extremities-Right Upper Assessment
E16_19 Extremities-Left Upper Assessment
E16_21 Eyes-Left Assessment
E16_24 Neurological Assessment

E01_01 Patient Care Report Number
E16_04 Skin Assessment
E16_06 Neck Assessment
E16_08 Heart Assessment
E16_10 Abdomen Left Lower Assessment
E16_12 Abdomen Right Lower Assessment
E16_14 Back Cervical Assessment
E16_16 Back Lumbar/Sacral Assessment
E16_18 Extremities-Right Lower Assessment
E16_20 Extremities-Left Lower Assessment
E16_22 Eyes-Right Assessment
E16_24 NEUROLOGICAL ASSESSMENT

Data  [combo] multiple-choice

Definition  The assessment of the patient's neurological status on examination

<table>
<thead>
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<th>XSD Domain (Simple Type)</th>
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</tbody>
</table>

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
-15 Not Reporting
-5 Not Available
4130 Not Done
4140 Facial Droop
4150 Speech Normal
4160 Tremors
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

<table>
<thead>
<tr>
<th>E00</th>
<th>E01_01 Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E16_03 Date/Time of Assessment</td>
<td>E16_04 Skin Assessment</td>
</tr>
<tr>
<td>E16_05 Head/Face Assessment</td>
<td>E16_06 Neck Assessment</td>
</tr>
<tr>
<td>E16_07 Chest/Lungs Assessment</td>
<td>E16_08 Heart Assessment</td>
</tr>
<tr>
<td>E16_09 Abdomen Left Upper Assessment</td>
<td>E16_10 Abdomen Left Lower Assessment</td>
</tr>
<tr>
<td>E16_11 Abdomen Right Upper Assessment</td>
<td>E16_12 Abdomen Right Lower Assessment</td>
</tr>
<tr>
<td>E16_13 GU Assessment</td>
<td>E16_14 Back Cervical Assessment</td>
</tr>
<tr>
<td>E16_15 Back Thoracic Assessment</td>
<td>E16_16 Back Lumbar/Sacral Assessment</td>
</tr>
<tr>
<td>E16_17 Extremities-Right Upper Assessment</td>
<td>E16_18 Extremities-Right Lower Assessment</td>
</tr>
<tr>
<td>E16_19 Extremities-Left Upper Assessment</td>
<td>E16_20 Extremities-Left Lower Assessment</td>
</tr>
<tr>
<td>E16_21 Eyes-Left Assessment</td>
<td>E16_22 Eyes-Right Assessment</td>
</tr>
<tr>
<td>E16_23 Mental Status Assessment</td>
<td></td>
</tr>
</tbody>
</table>
**E17_01 PROTOCOLS USED**

**Data** [combo] multiple-choice

**Definition**
The protocol used by EMS personnel to direct the clinical care of the patient

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>ProtocolsUsed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>30</td>
</tr>
</tbody>
</table>

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

**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
E18_01 DATE/ TIME MEDICATION ADMINISTERED

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
● Relevant Value for Data Element & Patient Care

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
E18_02  MEDICATION ADMINISTERED PRIOR TO THIS UNIT'S EMS CARE

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
**E18_03  MEDICATION GIVEN**

**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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  

**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 Unit's 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) = 07, Chest/Absdominal 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
**E18_04 MEDICATION ADMINISTERED ROUTE**

**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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known

4180 Gastrostomy tube  
4190 Intramuscular  
4200 Intraocular  
4210 Nasal  
4220 Nasogastric  
4230 Oral  
4240 Otic  
4250 Rectal  
4260 Sublingual  
4270 Tracheostomy  
4280 Urethral  
4290 Wound

4185 Inhalation  
4191 Intraosseous  
4205 Intravenous  
4215 Nasal prongs  
4225 Ophthalmic  
4235 Other/miscellaneous  
4245 Re-breather mask  
4255 Subcutaneous  
4265 Topical  
4275 Transdermal  
4285 Ventimask

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

E00 Common Null Values  
E18_01 Date/Time Medication Administered  
E18_03 Medication Given  
E18_06 Medication Dosage Units  
E18_08 Medication Complication  
E18_10 Medication Authorization

E01_01 Patient Care Report Number  
E18_02 Medication Administered Prior to this Units EMS Care  
E18_05 Medication Dosage  
E18_07 Response to Medication  
E18_09 Medication Crew Member ID  
E18_11 Medication Authorizing Physician

**References to Other Databases**

**Section E18 Intervention/ Medication**
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 385
**E18_05  MEDICATION DOSAGE**

**Data**  
[number]

**Definition**  
The dose or amount of medication given to the patient

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:decimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>MedicationDosage</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>1,000,000</td>
</tr>
</tbody>
</table>

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**
- Relevant Value for Data Element & Patient Care

**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
- E18_03 Medication Given
- E18_04 Medication Administered Route
- E18_05 Medication Dosage Units
- E18_06 Response to Medication
- E18_07 Medication Complication
- E18_08 Medication Crew Member ID
- E18_09 Medication Authorization
- E18_10 Medication Authorizing Physician

**Section E18  Intervention/ Medication**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E18_06 MEDICATION DOSAGE UNITS

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
4305 IU
4315 L/MIN
4325 LPM
4335 MCG/KG/MIN
4345 MG
4355 ML
4365 Other
4300 Inches
4310 KVO (TKO)
4320 LITERS
4330 MCG
4340 MEQ
4350 MG/KG/MIN
4360 ML/HR
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_02 Medication Administered Prior to this Units
E18_03 Medication Given
E18_05 Medication Dosage
E18_07 Response to Medication
E18_08 Medication Complication
E18_10 Medication Authorization

References to Other Databases
● DEEDS DEEDS/HL-7 Version 2.3
**E18_07 RESPONSE TO MEDICATION**

**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**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>4380</td>
<td>Unchanged</td>
</tr>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>4375</td>
<td>Improved</td>
</tr>
<tr>
<td>4385</td>
<td>Worse</td>
</tr>
</tbody>
</table>

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- **E00** Common Null Values
- **E18_01** Date/Time Medication Administered
- **E18_03** Medication Given
- **E18_05** Medication Dosage
- **E18_08** Medication Complication
- **E18_10** Medication Authorization
- **E01_01** Patient Care Report Number
- **E18_02** Medication Administered Prior to this Units EMS Care
- **E18_04** Medication Administered Route
- **E18_06** Medication Dosage Units
- **E18_09** Medication Crew Member ID
- **E18_11** Medication Authorizing Physician

---

Section E18  
Intervention/ Medication

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 388
# E18_08 Medication Complication

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

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E18_01</td>
<td>Date/Time Medication Administered</td>
</tr>
<tr>
<td>E18_03</td>
<td>Medication Given</td>
</tr>
<tr>
<td>E18_05</td>
<td>Medication Dosage</td>
</tr>
<tr>
<td>E18_07</td>
<td>Response to Medication</td>
</tr>
<tr>
<td>E18_10</td>
<td>Medication Authorization</td>
</tr>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
<tr>
<td>E18_02</td>
<td>Medication Administered Prior to this Units EMS Care</td>
</tr>
<tr>
<td>E18_04</td>
<td>Medication Administered Route</td>
</tr>
<tr>
<td>E18_06</td>
<td>Medication Dosage Units</td>
</tr>
<tr>
<td>E18_09</td>
<td>Medication Crew Member ID</td>
</tr>
<tr>
<td>E18_11</td>
<td>Medication Authorizing Physician</td>
</tr>
</tbody>
</table>

---

**Section E18 Intervention/Medication**

NHTS (NEMSIS) Page Number 389

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E18_09 MEDICATION CREW MEMBER ID**

**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
-15 Not Reporting
-5 Not Available

-20 Not Recorded
-10 Not Known

● Relevant Value for Data Element & Patient Care

**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 |
| E18_01 | Date/Time Medication Administered |
| E18_03 | Medication Given |
| E18_05 | Medication Dosage |
| E18_07 | Response to Medication |
| E18_10 | Medication Authorization |

| E01_01 | Patient Care Report Number |
| E18_02 | Medication Administered Prior to this Units EMS Care |
| E18_04 | Medication Administered Route |
| E18_06 | Medication Dosage Units |
| E18_08 | Medication Complication |
| 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
E18_10 MEDICATION AUTHORIZATION

Data [combo] single-choice

Definition
The type of treatment authorization obtained

XSD Data Type xs:integer
XSD Domain (Simple Type) MedicationAuthorization
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
-15 Not Reporting
-10 Not Known
-5 Not Available
4480 On-Line
4485 On-Scene
4490 Protocol (Standing Order)
4495 Written Orders (Patient Specific)

Additional Information
- Associated with Medication Authorization (E18_11) 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
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_07 Response to Medication
E18_09 Medication Crew Member ID
E18_10 Medication Authorizing Physician

References in NHTSA Version 1
Desirable Element 81 Treatment Authorization
**E19_01 DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY**

**Data**  
[date/time]

**Definition**  
The date and time the procedure was performed on the patient

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

XSD Structure: Data Elements E19_01 through E19_11 are all members of E19_01_0 Procedure Structure

**Field Values**  
● Relevant Value for Data Element & Patient Care

**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**

<table>
<thead>
<tr>
<th>E01_01</th>
<th>Patient Care Report Number</th>
<th>E19_02</th>
<th>ProcedurePerformed Prior to this Units EMS Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>E19_03</td>
<td>Procedure</td>
<td>E19_04</td>
<td>Size of Procedure Equipment</td>
</tr>
<tr>
<td>E19_05</td>
<td>Number of Procedure Attempts</td>
<td>E19_06</td>
<td>Procedure Successful</td>
</tr>
<tr>
<td>E19_07</td>
<td>Procedure Complication</td>
<td>E19_08</td>
<td>Response to Procedure</td>
</tr>
<tr>
<td>E19_09</td>
<td>Procedure Crew Members ID</td>
<td>E19_10</td>
<td>Procedure Authorization</td>
</tr>
<tr>
<td>E19_11</td>
<td>Procedure Authorizing Physician</td>
<td>E19_12</td>
<td>Successful IV Site</td>
</tr>
<tr>
<td>E19_13</td>
<td>Tube Confirmation</td>
<td>E19_14</td>
<td>Destination Confirmation of Tube Placement</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**

<table>
<thead>
<tr>
<th>Desirable Element</th>
<th>Time of First CPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>Time of First CPR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Desirable Element</th>
<th>Time of First Defibrillatory Shock</th>
</tr>
</thead>
</table>
**E19_02  PROCEDURE PERFORMED PRIOR TO THIS UNIT'S EMS CARE**

**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
- E19_01 Date/Time Procedure Performed Successfully
- E19_04 Size of Procedure Equipment
- E19_06 Procedure Successful
- E19_08 Response to Procedure
- E19_10 Procedure Authorization
- E01_01 Patient Care Report Number
- E19_03 Procedure
- E19_05 Number of Procedure Attempts
- E19_07 Procedure Complication
- E19_09 Procedure Crew Members ID
- E19_11 Procedure Authorizing Physician
**E19_03**  PROCEDURE

**Definition**
The procedure performed on the patient.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:decimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Procedure</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>1,000</td>
</tr>
</tbody>
</table>

Field Values

-25 Not Applicable
-15 Not Reporting
-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
- E19_01 Date/Time Procedure Performed Successfully
- E19_04 Size of Procedure Equipment
- E19_06 Procedure Successful
- 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_05 Number of Procedure Attempts
- E19_07 Procedure Complication
- E19_09 Procedure Crew Members ID
- 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
E19_04 SIZE OF PROCEDURE EQUIPMENT

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

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
E19_01 Date/Time Procedure Performed Successfully
E19_03 Procedure
E19_06 Procedure Successful
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_05 Number of Procedure Attempts
E19_07 Procedure Complication
E19_09 Procedure Crew Members ID
E19_11 Procedure Authorizing Physician

References in NHTSA Version 1
Essential Element 78 Procedure or Treatment Name
**E19_05 NUMBER OF PROCEDURE ATTEMPTS**

**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  ● Relevant Value for Data Element & Patient Care

**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
- E19_01 Date/Time Procedure Performed Successfully
- E19_03 Procedure
- E19_06 Procedure Successful
- 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
**Data**  
[combo] single-choice

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E00</th>
<th>E19_01</th>
<th>E19_02</th>
<th>E19_03</th>
<th>E19_04</th>
<th>E19_05</th>
<th>E19_06</th>
<th>E19_10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Null Values</td>
<td>Date/Time Procedure Performed Successfully</td>
<td>Procedure Performed Prior to this Unit's EMS Care</td>
<td>Procedure</td>
<td>Size of Procedure Equipment</td>
<td>Procedure Attempts</td>
<td>Response to Procedure</td>
<td>Procedure Authorization</td>
</tr>
</tbody>
</table>

**Section E19  Intervention/ Procedure**

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2006 NHTSA Uniform Prehospital Dataset V.2.2.1
**E19_07 PROCEDURE COMPLICATION**

**Data**  
[combo] multiple-choice

**National Element**

**Definition**  
Any complication associated with the performance of the procedure on the patient

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ProcedureComplication</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multiple Entry Configuration</strong></td>
<td>(1) Yes, via structure. (2) Yes for each E14_01 Date/Time</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**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

4505 Altered Mental Status

4500 None

4515 Bleeding

4520 Bradycardia

4525 Diarrhea

4530 Esophageal Intubation-immediately

4535 Esophageal Intubation-other

4540 Extravasion

4545 Hypertension

4550 Hyperthermia

4555 Hypotension

4560 Hypoxia

4565 Injury

4570 Itching/Urticaria

4575 Nausea

4580 Other

4585 Respiratory Distress

4590 Tachycardia

4595 Vomiting

-4500 None

-4510 Apnea

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

| E00 | Common Null Values |
| E19_01 | Date/Time Procedure Performed Successfully |
| E19_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 | Response to Procedure |
| E19_09 | Procedure Crew Members ID |
| E19_10 | Procedure Authorization |
| E19_11 | Procedure Authorizing Physician |
E19_08 RESPONSE TO PROCEDURE

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
- E19_01 Date/Time Procedure Performed Successfully
- E19_03 Procedure
- E19_05 Number of Procedure Attempts
- E19_07 Procedure Complication
- 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_06 Procedure Successful
- E19_09 Procedure Crew Members ID
- E19_11 Procedure Authorizing Physician

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2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E19_09 PROCEDURE CREW MEMBERS ID

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

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
E19_01 Date/Time Procedure Performed Successfully
E19_03 Procedure
E19_05 Number of Procedure Attempts
E19_07 Procedure Complication
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_06 Procedure Successful
E19_08 Response to Procedure
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
**E19_10  PROCEDURE AUTHORIZATION**

**Data**
[combo] single-choice

**Definition**
The type of procedure authorization obtained

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>ProcedureAuthorization</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>4615</td>
<td>On-Line</td>
</tr>
<tr>
<td>4620</td>
<td>On-Scene</td>
</tr>
<tr>
<td>4625</td>
<td>Protocol (Standing Order)</td>
</tr>
<tr>
<td>4630</td>
<td>Written Orders (Patient Specific)</td>
</tr>
</tbody>
</table>

**Additional Information**
- Associated with Procedure Authorization (E19_11) 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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E19_01</td>
<td>Date/Time Procedure Performed Successfully</td>
</tr>
<tr>
<td>E19_02</td>
<td>Procedure Performed Prior to this Units EMS Care</td>
</tr>
<tr>
<td>E19_03</td>
<td>Procedure</td>
</tr>
<tr>
<td>E19_04</td>
<td>Size of Procedure Equipment</td>
</tr>
<tr>
<td>E19_05</td>
<td>Number of Procedure Attempts</td>
</tr>
<tr>
<td>E19_06</td>
<td>Procedure Successful</td>
</tr>
<tr>
<td>E19_07</td>
<td>Procedure Complication</td>
</tr>
<tr>
<td>E19_08</td>
<td>Response to Procedure</td>
</tr>
<tr>
<td>E19_09</td>
<td>Procedure Crew Members ID</td>
</tr>
<tr>
<td>E19_11</td>
<td>Procedure Authorizing Physician</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**
Desirable Element 81 Treatment Authorization
**E19_12 SUCCESSFUL IV SITE**

**Data**

[combo] multiple-choice

**Definition**

The location of the IV site (if applicable) on the patient

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>SuccessfulIVSite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
4640 Antecubital-Right
4650 External Jugular-Right
4660 Femoral-Left Distal IO
4670 Femoral-Right IO
4680 Forearm-Right
4690 Hand-Right
4700 Lower Extremity-Right
4710 Scalp
4720 Tibia IO-Left
4730 Umbilical
4635 Antecubital-Left
4645 External Jugular-Left
4655 Femoral-Left IV
4665 Femoral-Right IV
4675 Forearm-Left
4685 Hand-Left
4695 Lower Extremity-Left
4705 Other
4715 Sternal IO
4725 Tibia IO-Right

**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_13 TUBE CONFIRMATION**

**Data**  
[combo] multiple-choice

**Definition**  
Endotracheal Tube placement verification at the time the airway procedure was done

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>TubeConfirmation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
4735 Auscultation of Bilateral Breath Sounds  
4740 Colometric CO2 Detector Confirmation  
4750 Esophageal Bulb Aspiration confirmation  
4760 Visualization of the Chest Rising with ventilation  
4770 Waveform CO2 Confirmation  
4745 Digital CO2 Confirmation  
4755 Negative Auscultation of the Epigastrium  
4765 Visualization of Tube Passing Through the Cords

**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
E19_14  DESTINATION CONFIRMATION OF TUBE PLACEMENT

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 Epigastrum
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

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2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E20_01 DESTINATION/TRANSFERRED TO, NAME

Data [text]

Definition
The destination the patient was delivered or transferred to

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

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

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

Section E20 Disposition
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

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**E20_02 DESTINATION/TRANSFERRED TO, CODE**

<table>
<thead>
<tr>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>The code of the destination the patient was delivered or transferred to, if present and available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DestinationTransferredToCode</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>50</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-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
E20_03 DESTINATION STREET ADDRESS

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
-15 Not Reporting
-10 Not Known
-5 Not Available
-20 Not Recorded
● Relevant Value for Data Element & Patient Care

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

Data Collector
● EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements
E00 Common Null Values
E20_01 Destination/Transferred To, Name
E20_05 Destination State
E01_01 Patient Care Report Number
E20_04 Destination City
E20_07 Destination Zip Code
**E20_04 DESTINATION CITY**

**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  
-15 Not Reporting  
-5 Not Available  
-10 Not Known  
-20 Not Recorded  

**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  
- E20_01 Destination/Transferred To, Name  
- E20_05 Destination State  
- E01_01 Patient Care Report Number  
- E20_03 Destination Street Address  
- E20_07 Destination Zip Code

---

**Section E20 Disposition**

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E20_05  DESTINATION STATE

Data  [combo] single-choice

Definition
The destination State in which the patient was delivered or transferred to

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>3</td>
</tr>
</tbody>
</table>

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
-15  Not Reporting
-10  Not Known
-05  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
E20_01  Destination/Transferred To, Name
E20_04  Destination City
E20_03  Destination Street Address
E20_07  Destination Zip Code
**E20_06 DESTINATION COUNTY**

**Data**
[combo] single-choice

**Definition**
The destination County in which the patient was delivered or transferred to

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>5</td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-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 serve 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
**E20_07  DESTINATION ZIP CODE**

**Data**

**[text]**

**National Element**

**Definition**

The destination zip code in which the patient was delivered or transferred to

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Zip</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>10</td>
</tr>
</tbody>
</table>

XSD Structure: E20_03, E20_04, E20_05, and E20_07 are all members of E2-_03_0 Destination Address Structure

**Field Values**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
</tbody>
</table>

**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
E20_01  Destination/Transferred To, Name
E20_04  Destination City
E20_05  Destination State

E01_01  Patient Care Report Number
E20_03  Destination Street Address

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E20_10 INCIDENT/PATIENT DISPOSITION

**Data** [combo] single-choice

**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
E20_14  TRANSPORT MODE FROM SCENE

Data  [combo] single-choice

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
**E20_15  CONDITION OF PATIENT AT DESTINATION**

**Data**
[combo] single-choice

**Definition**
The condition of the patient after care by EMS

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ConditionOfPatientAtDestination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
4980 Unchanged

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>4975</td>
<td>Improved</td>
</tr>
<tr>
<td>4985</td>
<td>Worse</td>
</tr>
</tbody>
</table>

**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
E20_16  REASON FOR CHOOSING DESTINATION

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
-15 Not Reporting
-5 Not Available
4995 Diversion
5005 Insurance Status
5015 On-Line Medical Direction
5025 Patient Choice
5035 Protocol
-20 Not Recorded
-10 Not Known
4990 Closest Facility (none below)
5000 Family Choice
5010 Law Enforcement Choice
5020 Other
5030 Patient’s Physicians Choice
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
E20_17  TYPE OF DESTINATION

Data       [combo] single-choice

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
**E22_01 EMERGENCY DEPARTMENT DISPOSITION**

**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

---

Section E22  Outcome and Linkage

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 449
**E22_02 HOSPITAL DISPOSITION**

**Data** [combo] single-choice

**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
-15 Not Reporting
-5 Not Available
5370 Discharged
5380 Transfer to Nursing Home
5390 Transfer to Rehabilitation Facility
5365 Death
5375 Transfer to Hospital
5385 Transfer to Other

**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
E22_03 LAW ENFORCEMENT/ CRASH REPORT NUMBER

Data [text]

Definition
The unique number associated with the law enforcement or crash report which can be used for linkage at a later date.

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available

-20 Not Recorded
-10 Not Known

● Relevant Value for Data Element & Patient Care

Uses
★ Important linkage between EMS data and Crash or Vehicle 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
E23_03 PERSONAL PROTECTIVE EQUIPMENT USED

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
-15 Not Reporting
-5 Not Available
5440 Gloves
5450 Level B Suit
5460 Mask

5435 Eye Protection
5445 Level A Suit
5455 Level C Suit
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

Section E23 Miscellaneous
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 458
E23_04  SUSPECTED INTENTIONS, OR UNINTENTIONS DISASTER

Data  [combo] multiple-choice

Definition  
Suspicion of the listed multi-casualty or domestic terrorism causes.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>SuspectedIntentionalOrUnintentionalDisaster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values

-25 Not Applicable
-15 Not Reporting
-5 Not Available
-5475 Building Failure
5485 Explosive Device
5495 Hostage Event
5505 Nuclear Agent
5515 Secondary Destructive Device
5525 Vehicular
5470 Biologic Agent
5480 Chemical Agent
5490 Fire
5500 Mass Gathering
5510 Radioactive Device
5520 Shooting/Sniper
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

Section E23  Miscellaneous
2006 NHTSA Uniform PreHospital Dataset V.2.2.1  

NHTS (NEMSIS) Page Number 459
E23_05 SUSPECTED CONTACT WITH BLOOD/BODY FLUIDS OF EMS INJURY OR DEATH

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
-15 Not Reporting
-5 Not Available
1 Yes

-20 Not Recorded
-10 Not Known
0 No

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
E23_07 PERSONNEL EXPOSED

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
E23_09  Medical Command Call Identification Number

Data  [text]

Definition  The Medical Command Call Identification Number is a unique number of up to eleven digits. It is a hyphenated number that is automatically generated for each new Medical Command report. It will be assigned by Medical Command and given by Medical Command at the time of contact. Example: 03-2000-11111.

XSD Data Type  xs:string  XSD Domain (Simple Type)  ResearchField
Multiple Entry Configuration  Yes, via structure  Accepts Null Values  Yes
Required in XSD  No  Minimum Constraint  2  Maximum Constraint  30
XSD Structure:  Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  ● Relevant Value for Data Element & Patient Care

Additional Information
● Unique identifier for each report entered in the Medic Calls Table and each of it’s linked reports in both the Drugs and Treatments Tables.

Uses
● Used by local EMS agencies to document issues which are specific to an agency or related to research or short term evaluation

Data Collector
● EMS personnel

Other Associated Elements
E00  Common Null Values  E01_01  Patient Care Report Number
E23_11  Research Survey Field Title

Section  E23  Miscellaneous
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 465

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E23_10 WHO GENERATED THIS REPORT?

**Definition**
The statewide assigned ID number of the EMS crew member which completed this patient care report

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

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

- Relevant Value for Data Element & Patient Care

**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
**E23_11  RESEARCH SURVEY FIELD TITLE**

**Data**  [text]

**Definition**
This is the title that identifies the data contained in field E23_09. For West Virginia, E23_09 is being reserved to contain the Medical Command Call Identification Number (as defined in E23_09). E23_11 should therefore contain the text “Medical Command Run ID Number”.

**XSD Data Type**  xs:string  **XSD Domain (Simple Type)**  ResearchTitle  
**Multiple Entry Configuration**  Yes, via structure  **Accepts Null Values**  No  
**Required in XSD**  No  **Minimum Constraint**  2  **Maximum Constraint**  30  

XSD Structure: Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

**Field Values**

**Additional Information**
● A multiple entry configuration to allow multiple Research Survey Fields

**Uses**
● Used by local EMS agencies to document issues which are specific to an agency or related to research or short term evaluation

**Data Collector**
● EMS personnel

**Other Associated Elements**
E01_01  Patient Care Report Number  
E23_09  Research Survey Field

270
DESTINATION CONFIRMATION OF TUBE PLACEMENT

DATE/TIME VITAL SIGNS TAKEN

DATE/TIME MEDICATION ADMINISTERED

DATE OF BIRTH

CREW MEMBER ROLE

CONDITION CODE NUMBER

CONDITION CODE MODIFIER

COMMON NULL VALUES

CK THORACIC ASSESSMENT

CHIEF COMPLAINT ORGAN SYSTEM

CHIEF COMPLAINT

CHEST/LUNGS ASSESSMENT

CAUSE OF INJURY

CARDIAC RHYTHM ON ARRIVAL AT DESTINATION

CARDIAC RHYTHM

CARDIAC ARREST

CARBON DIOXIDE

BROSELOW/LUTEN COLOR

BLOOD GLUCOSE LEVEL

BEGINNING ODOMETER READING OF RESPONDING VEHICLE

BARRIERS TO PATIENT CAR

BACK CERVICAL ASSESSMENT

ARRIVED AT PATIENT DATE/TIME

ARREST WITNESSED BY

AREA OF THE VEHICLE IMPACTED BY THE COLLISION

ANY RETURN OF SPONTANEOUS CIRCULATION

ADVANCED DIRECTIVES

ABDOMEN RIGHT LOWER ASSESSMENT

ABDOMEN LEFT LOWER ASSESSMENT

ABDOMEN LEFT UPPER ASSESSMENT

ABDOMEN RIGHT UPPER ASSESSMENT

AGE UNITS

AI RBAG DEPLOYMENT

ALCOHOL/DRUG USE INDICATORS

FILED LIST INDEX

ADVANCED DIRECTIVES

ABDOMEN LEFT LOWER ASSESSMENT

ABDOMEN LEFT UPPER ASSESSMENT

ABDOMEN RIGHT LOWER ASSESSMENT

ABDOMEN RIGHT UPPER ASSESSMENT

AGE

AGE UNITS

AI RBAG DEPLOYMENT

ALCOHOL/DRUG USE INDICATORS

ANY RETURN OF SPONTANEOUS CIRCULATION

AREA OF THE VEHICLE IMPACTED BY THE COLLISION

ARREST WITNESSED BY

ARRIVED AT PATIENT DATE/TIME

BARRIERS TO PATIENT CAR

BACK CERVICAL ASSESSMENT

BEGINNING ODOMETER READING OF RESPONDING VEHICLE

BLOOD GLUCOSE LEVEL

BROSELOW/LUTEN COLOR

CARBON DIOXIDE

CARDIAC ARREST

CARDIAC ARREST ETIOLOGY

CARDIAC RHYTHM

CARDIAC RHYTHM ON ARRIVAL AT DESTINATION

CAUSE OF INJURY

CHEST/LUNGS ASSESSMENT

CHIEF COMPLAINT

CHIEF COMPLAINT ORGAN SYSTEM

CK THORACIC ASSESSMENT

CMS SERVICE LEVEL

COMMON NULL VALUES

COMPLAINT REPORTED BY DISPATCH

CONDITION CODE MODIFIER

CONDITION CODE NUMBER

CONDITION OF PATIENT AT DESTINATION

CREW MEMBER ID

CREW MEMBER LEVEL

CREW MEMBER ROLE

DATE OF BIRTH

DATE/TIME MEDICATION ADMINISTERED

DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

DATE/TIME RESUSCITATION ON SCENE

DATE/TIME VITAL SIGNS TAKEN

DBP (DIASTOLIC BLOOD PRESSURE)

DESTINATION CITY

DESTINATION CONFIRMATION OF TUBE PLACEMENT