NHTSA Uniform Pre-Hospital Emergency Medical Services (EMS) Dataset

Version 2.2.1 (2006)

Final Documentation and Data Dictionary

www.NEMSIS.org

NHTSA Uniform PreHospital EMS Dataset Version 2.2.1

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

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

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

Information provided in this document includes the following:

- Name of the Data Element
- Definition of the Data Element
- Data Type of the Data Element (many data elements have comments provided to assist in the implementation of a database schema and the NHTSA Version 2.2.1 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
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<td>E23</td>
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</tr>
</tbody>
</table>
Agency General Information
**Definition**

The state-assigned provider number of the responding agency

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

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

**Uses**

- 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**

- 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**

- D01_01 EMS Agency 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
**Definition**

The formal name of the agency

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>EMSAgencyName</th>
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</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>50</td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

D01_01  EMS Agency Number
Definition

The state in which the Agency provides services

Field Values

- Appropriate 2 digit FIPS code

Additional Information

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

Uses

- Agency number (E02_01), agency state (D01_03), unit call sign (E02_12), patient number (E01_01) and date (E05_04) combine to create a unique identifier

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number

References to Other Databases

- NFIRS 5.0 EMS Module, Title: State
**Definition**

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

**Field Values**

- Appropriate 5 digit FIPS code

**Additional Information**

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

**Uses**

- Used to group data with a state.

**Data Collector**

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

**Other Associated Elements**

| D01_01 | EMS Agency Number |

---

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<tr>
<td>Required in XSD</td>
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<td>Minimum Constraint</td>
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Section D01 Agency General Information

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition
The primary service type provided by the agency

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

Field Values
- 5610 911 Response (Scene) with Transport Capability
- 5620 911 Response (Scene) without Transport Capability
- 5630 Air Medical
- 5640 Hazmat
- 5650 Medical Transport (Convalescent)
- 5660 Paramedic Intercept
- 5670 Rescue
- 5680 Specialty Care Transport

Uses
- Important for grouping or comparing EMS Agencies

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

Other Associated Elements
- D01_01 EMS Agency Number
**Definition**

The other service type(s) which are provided by the agency.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>OtherTypesOfService</th>
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<tr>
<td>Multiple Entry Configuration</td>
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<td>Accepts Null Value</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
-5 Not Available
5700 911 Response (Scene) without Transport Capability
5720 Hazmat
5740 Paramedic Intercept
5760 Specialty Care Transport

-10 Not Known
5690 911 Response (Scene) with Transport Capability
5710 Air Medical
5730 Medical Transport (Convalescent)
5750 Rescue

**Uses**

- Important for grouping or comparing EMS Agencies
- Provides descriptive information when combined with an EMS Agency’s Billing Status

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- E00 Common Null Values
**Definition**

The highest credentialed personnel's level of service which the agency provides for every EMS encounter if requested. In a tiered response system, this is the highest level of service which could be sent to any specific call.

**Field Values**

- **6090** EMT-Basic
- **6110** EMT-Paramedic
- **6112** Physician
- **6100** EMT-Intermediate
- **6111** Nurse
- **6120** First Responder

**Additional Information**

- This list can be edited by each state to account for additional certification/licensure level by adding levels as listed in State Certification/Licensure Levels (D04_01). State Certification/Licensure levels (D04_01) should create the list for this item.
- This value is stored either as the appropriate code or in text if an additional certification/licensure level has been entered by a state.

**Uses**

- Allows data to be sorted based on an agency's level of service
- Provides description of EMS Personnel
- Provides descriptive information when combined with an EMS Agency’s Billing Status

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number

**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
**Definition**

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

<table>
<thead>
<tr>
<th>Field Values</th>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Multiple Entry Configuration</th>
<th>Accepts Null Value</th>
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<td>National Element</td>
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<td>OrganizationalType</td>
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<td>Yes</td>
</tr>
</tbody>
</table>

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
**ORGANIZATION STATUS**

**Data Format**  [combo] single-choice

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

**Field Values**

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Required in XSD</th>
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</thead>
<tbody>
<tr>
<td>xs:integer</td>
<td>OrganizationStatus</td>
<td>Yes</td>
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</table>

**Multiple Entry Configuration**  No

**Accepts Null Value**  No

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>5870 Mixed</td>
</tr>
<tr>
<td>5890 Volunteer</td>
</tr>
<tr>
<td>5880 Non-Volunteer</td>
</tr>
</tbody>
</table>

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

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

**Other Associated Elements**
- D01_01  EMS Agency Number
**Definition**

The year to which the information pertains

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [YYYY]
- Multiple entry configuration to allow statistical data to be entered yearly
- Used to identify the year to which the data pertains

**Uses**

- Associates a year with statistical data to improve reporting capabilities

**Data Collector**

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

**Other Associated Elements**

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<thead>
<tr>
<th>EMS Agency Number</th>
<th>Total Service Size Area</th>
</tr>
</thead>
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<td>D01_01</td>
<td>D01_12</td>
</tr>
<tr>
<td>D01_13</td>
<td>D01_14</td>
</tr>
<tr>
<td>D01_15</td>
<td>D01_16</td>
</tr>
<tr>
<td>D01_17</td>
<td>D01_18</td>
</tr>
</tbody>
</table>

- EMS Agency Number
- EMS Dispatch Volume per Year
- EMS Transport Volume per Year
- EMS Patient Contact Volume per Year
- EMS Billable Calls per Year

---

**XSD Data Type** xs:gYear

**XSD Domain (Simple Type)** StatisticalYear

**Multiple Entry Configuration** Yes, via structure

**Accepts Null Value** No

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

XSD Structure: D01_10, D01_12, D01_13, D01_14, D01_15, D01_16, D01_17, and D01_18 are all members of D1_10_0

Statistical Year Structure
Definition

All other EMS or First Responder Agencies, which are in the service area or are available for mutual aid

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<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
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<tr>
<td>Required in XSD</td>
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<td>Minimum Constraint</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>50</td>
</tr>
</tbody>
</table>

Field Values

A unique value; no variable list is possible. -25 Not Applicable
-10 Not Known -5 Not Available

Additional Information

- Can be used to create a list box for Other EMS Agencies at Scene (E08_01). This is the Agency Name, not the EMS Agency Number

Uses

- Populates information on other EMS resources available to an EMS agency

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
</table>
**Definition**

The total square miles in the agency's service area

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:positiveInteger</th>
<th>XSD Domain (Simple Type)</th>
<th>TotalServiceSizeArea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes, but null value is blank or empty</td>
</tr>
</tbody>
</table>

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 100,000,000

XSD Structure: D01_10, D01_12, D01_13, D01_14, D01_15, D01_16, D01_17, and D01_18 are all members of D1_10_0

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration to allow statistical data to be entered yearly

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>EMS Agency Number</th>
<th>EMS Dispatch Volume per Year</th>
<th>EMS Billable Calls per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01_01</td>
<td>D01_10</td>
<td>D01_18</td>
</tr>
<tr>
<td>D01_13</td>
<td>D01_14</td>
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<tr>
<td>D01_15</td>
<td>D01_16</td>
<td></td>
</tr>
<tr>
<td>D01_17</td>
<td>D01_17</td>
<td></td>
</tr>
</tbody>
</table>
### Definition

The total population in the agency's service area based on year 2000 census data (if possible). This number does not include population changes associated with daily work flow or seasonal movements.

### Field Values

A unique value; no variable list is possible.

### Additional Information

- Baseline data should be taken from the 2000 Census data if possible
- Multiple entry configuration to allow statistical data to be entered yearly

### Uses

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

### Data Collector

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

### Other Associated Elements

<table>
<thead>
<tr>
<th>Element Code</th>
<th>Description</th>
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<tbody>
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<td>EMS Agency Number</td>
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<tr>
<td>D01_12</td>
<td>Total Service Size Area</td>
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<tr>
<td>D01_15</td>
<td>EMS Dispatch Volume per Year</td>
</tr>
<tr>
<td>D01_17</td>
<td>EMS Patient Contact Volume per Year</td>
</tr>
<tr>
<td>D01_10</td>
<td>Statistical Year</td>
</tr>
<tr>
<td>D01_14</td>
<td>911 Call Volume per Year</td>
</tr>
<tr>
<td>D01_16</td>
<td>EMS Transport Volume per Year</td>
</tr>
<tr>
<td>D01_18</td>
<td>EMS Billable Calls per Year</td>
</tr>
</tbody>
</table>
911 CALL VOLUME PER YEAR

Data Format [number]  

**Definition**

The number of 911 EMS calls for the calendar year.

<table>
<thead>
<tr>
<th><strong>XSD Data Type</strong></th>
<th>xs:positiveInteger</th>
<th><strong>XSD Domain (Simple Type)</strong></th>
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<tr>
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<td><strong>Accepts Null Value</strong></td>
<td>Yes, but null value is blank or empty</td>
</tr>
</tbody>
</table>

**Required in XSD** Yes  
**Minimum Constraint** 1  
**Maximum Constraint** 100,000,000  

XSD Structure: D01_10, D01_12, D01_13, D01_14, D01_15, D01_16, D01_17, and D01_18 are all members of D1_10_0

**Statistical Year Structure**

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration to allow statistical data to be entered yearly

**Uses**

- Allows data to be sorted based on an agency's 911 call volume per year
- Provides description of EMS agencies across the nation

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D01_10** Statistical Year
- **D01_12** Total Service Size Area
- **D01_13** Total Service Area Population
- **D01_15** EMS Dispatch Volume per Year
- **D01_16** EMS Transport Volume per Year
- **D01_17** EMS Patient Contact Volume per Year
- **D01_18** EMS Billable Calls per Year

Section D01   Agency General Information

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

The number of EMS dispatches for the calendar year

---

**XSD Data Type**  \( xs:positiveInteger \)  
**XSD Domain (Simple Type)**  \( EMSDispatchVolumeYear \)  
**Multiple Entry Configuration**  Yes, via structure  
**Accepts Null Value**  Yes, but null value is blank or empty  
**Required in XSD**  Yes  
**Minimum Constraint**  1  
**Maximum Constraint**  100,000,000  
**XSD Structure:**  \( D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, \) and  \( D01\_18 \) are all members of  \( D1\_10\_0 \)  
**Statistical Year Structure**

---

**Field Values**

A unique value; no variable list is possible.

---

**Additional Information**

- Multiple entry configuration to allow statistical data to be entered yearly

---

**Uses**

- Allows data to be sorted based on an agency's Dispatch volume per year  
- Provides description of EMS agencies across the nation

---

**Data Collector**

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

---

**Other Associated Elements**

- D01\_01  EMS Agency Number  
- D01\_10  Statistical Year  
- D01\_12  Total Service Size Area  
- D01\_13  Total Service Area Population  
- D01\_14  911 Call Volume per Year  
- D01\_16  EMS Transport Volume per Year  
- D01\_17  EMS Patient Contact Volume per Year  
- D01\_18  EMS Billable Calls per Year
**Definition**

The number of EMS transports for the calendar year

---

**XSD Data Type**  \( \text{xs:positiveInteger} \)

**XSD Domain (Simple Type)** \( \text{EMS\_Transport\_Volume\_Year} \)

**Multiple Entry Configuration** Yes, via structure

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

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 100,000,000

**XSD Structure:** D01_10, D01_12, D01_13, D01_14, D01_15, D01_16, D01_17, and D01_18 are all members of D1_10_0

**Statistical Year Structure**

---

**Field Values**

A unique value; no variable list is possible.

---

**Additional Information**

- Multiple entry configuration to allow statistical data to be entered yearly

---

**Uses**

- Allows data to be sorted based on an agency's Transport volume per year
- Provides description of EMS agencies across the nation

---

**Data Collector**

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

---

**Other Associated Elements**

- D01_01  EMS Agency Number
- D01_10  Statistical Year
- D01_12  Total Service Size Area
- D01_13  Total Service Area Population
- D01_14  911 Call Volume per Year
- D01_15  EMS Dispatch Volume per Year
- D01_17  EMS Patient Contact Volume per Year
- D01_18  EMS Billable Calls per Year
Definition
The number of EMS patient contacts for that calendar year

Field Values
A unique value; no variable list is possible.

Additional Information
- Multiple entry configuration to allow statistical data to be entered yearly

Uses
- Allows data to be sorted based on an agency's Patient Contact volume per year
- Provides description of EMS agencies across the nation

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

Other Associated Elements
- **D01_01** EMS Agency Number
- **D01_10** Statistical Year
- **D01_12** Total Service Size Area
- **D01_13** Total Service Area Population
- **D01_14** 911 Call Volume per Year
- **D01_15** EMS Dispatch Volume per Year
- **D01_16** EMS Transport Volume per Year
- **D01_18** EMS Billable Calls per Year
**Definition**

The number of EMS patient encounters which are billable for the calendar year

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:positiveInteger</th>
<th>XSD Domain (Simple Type)</th>
<th>EMSBillableCallsYear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>100,000,000</td>
<td>Statistical Year Structure</td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration to allow statistical data to be entered yearly

**Uses**

- Allows data to be sorted based on an agency's EMS Billable Calls/Year
- Provides description of EMS agencies across the nation

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D01_10** Statistical Year
- **D01_12** Total Service Size Area
- **D01_13** Total Service Area Population
- **D01_14** 911 Call Volume per Year
- **D01_15** EMS Dispatch Volume per Year
- **D01_16** EMS Transport Volume per Year
- **D01_17** EMS Patient Contact Volume per Year
Definition
The time zone for the EMS Agency

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

Field Values

<table>
<thead>
<tr>
<th>Field Value</th>
<th>Time Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>5900</td>
<td>GMT-11:00 Midway Island, Samoa</td>
</tr>
<tr>
<td>5920</td>
<td>GMT-09:00 Alaska</td>
</tr>
<tr>
<td>5940</td>
<td>GMT-07:00 Mountain Time</td>
</tr>
<tr>
<td>5960</td>
<td>GMT-05:00 Eastern Time</td>
</tr>
<tr>
<td>5910</td>
<td>GMT-10:00 Hawaii</td>
</tr>
<tr>
<td>5930</td>
<td>GMT-08:00 Pacific Time</td>
</tr>
<tr>
<td>5950</td>
<td>GMT-06:00 Central Time</td>
</tr>
<tr>
<td>5970</td>
<td>GMT-04:00 Atlantic Time</td>
</tr>
</tbody>
</table>

Uses
- Allows data to be tracked in comparison to other systems and times to better correlate in any analysis

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

Other Associated Elements
- D01_01 EMS Agency Number
Indicate if the EMS Agency conforms to Daylight Savings Time

Definition

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

Field Values

0  No  1  Yes

Uses

- Allows data to be tracked in comparison to other systems and times to better correlate in any analysis

Data Collector

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

Other Associated Elements

D01_01  EMS Agency Number
**Definition**

The National Provider Identifier associated with National Provider System (NPS) and used in all standard HIPAA transactions such as electronic claim filing.

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

**Field Values**

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

**Additional Information**

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

**Uses**

- Important for HIPAA related transactions such as electronic claims processing

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
Agency Contact Information
**Definition**

The Last Name of the agency's primary contact.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DemographicLastName</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</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>20</td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Uses**

- Component of the EMS Agency Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01**  EMS Agency Number
- **D02_02**  Agency Contact Middle Name/Initial
- **D02_03**  Agency Contact First Name
**Definition**

The Middle Name or initial of the agency's primary contact.

**Data Format**  [text]

<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 Value</td>
<td>Yes</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>20</td>
</tr>
</tbody>
</table>

XSD Structure: D02_01, D02_02, and D02_03 are all members D02_01_0 Agency Contact Name Structure

**Field Values**

- A unique value; no variable list is possible. -25 Not Applicable
- Not Known -10 Not Known
- Not Available -5 Not Available

**Uses**

- Component of the EMS Agency Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01**  EMS Agency Number
- **D02_01**  Agency Contact Last Name
- **D02_03**  Agency Contact First Name
- **E00**  Common Null Values

**Section D02**  Agency Contact Information

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition
The First Name of the agency's primary contact.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>MiddleInitialName</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>20</td>
</tr>
<tr>
<td>XSD Structure: D02_01, D02_02, and D02_03 are all members D02_01_0 Agency Contact Name Structure</td>
<td></td>
</tr>
</tbody>
</table>

Field Values
- A unique value; no variable list is possible.
-25 Not Applicable
-10 Not Known
-5 Not Available

Uses
- Component of the EMS Agency Contact Information/Address

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

Other Associated Elements
- D01_01 EMS Agency Number
- D02_01 Agency Contact Last Name
- D02_02 Agency Contact Middle Name/Initial
- E00 Common Null Values
**Definition**

The Agency contact's location or physical address.

**XSD Data Type**  
xs:string

**XSD Domain (Simple Type)**  
StreetAddress

**Multiple Entry Configuration**  
No

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
30

**XSD Structure:**  
D02_04, D02_05, D02_06, and D02_07 are all members of D02_04_0 Agency Contract Address

**Field Values**

- A unique value; no variable list is possible.
- Not Applicable
- Not Known
- Not Available

**Uses**

- Component of the EMS Agency Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01**  
  EMS Agency Number

- **D02_05**  
  Agency Contact City

- **D02_06**  
  Agency Contact State

- **D02_07**  
  Agency Contact Zip Code

- **E00**  
  Common Null Values
**Definition**

The city of the Agency contact's mailing address.

**Data Format**

[combo] single-choice

---

### XSD Data Type

xs:string

### XSD Domain (Simple Type)

City

### Multiple Entry Configuration

No

### Accepts Null Value

Yes

### Required in XSD

No

Minimum Constraint 2

Maximum Constraint 30

---

**XSD Structure:**

D02_04, D02_05, D02_06, and D02_07 are all members of D02_04_0 Agency Contract Address

---

### Field Values

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

### Additional Information

- 5 digit FIPS code
- Could be filled in from Zip Code entry (D02_07)

### Uses

- Component of the EMS Agency Contact Information/Address

### Data Collector

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

### Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
<th>D02_04</th>
<th>Agency Contact Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>D02_06</td>
<td>Agency Contact State</td>
<td>D02_07</td>
<td>Agency Contact Zip Code</td>
</tr>
<tr>
<td>E00</td>
<td>Common Null Values</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
AGENCY CONTACT STATE

Data Format  [combo] single-choice

Definition

The state of the Agency contact's mailing address.

<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 Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
</tbody>
</table>

XSD Structure:  D02_04, D02_05, D02_06, and D02_07 are all members of D02_04_0 Agency Contract Address

Field Values

- A unique value; no variable list is possible.
- 25 Not Applicable
- 10 Not Known
- 5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Zip Code entry (D02_07)

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D02_04</td>
<td>Agency Contact Address</td>
</tr>
<tr>
<td>D02_05</td>
<td>Agency Contact City</td>
</tr>
<tr>
<td>D02_07</td>
<td>Agency Contact Zip Code</td>
</tr>
<tr>
<td>E00</td>
<td>Common Null Values</td>
</tr>
</tbody>
</table>
Definition
The ZIP code of the Agency contact's mailing address.

Field Values
A unique value; no variable list is possible.

Additional Information
- Can be a 5 or 9 digit Zip Code

Uses
- Allows data to be sorted into a geographical area
- Component of the EMS Agency Contact Information/Address

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

Other Associated Elements
- D01_01 EMS Agency Number
- D02_04 Agency Contact Address
- D02_05 Agency Contact City
- D02_06 Agency Contact State

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicZip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>5</td>
</tr>
<tr>
<td>XSD Structure:</td>
<td>D02_04, D02_05, D02_06, and D02_07 are all members of D02_04_0 Agency Contract Address</td>
<td>Maximum Constraint</td>
<td>10</td>
</tr>
</tbody>
</table>
**Definition**

The primary phone number of the Agency contact.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>TelephoneNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

**Additional Information**

- 10 digit telephone number

**Uses**

- Component of the EMS Agency Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- E00 Common Null Values
**Definition**

The primary fax number of the Agency contact.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>TelephoneNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

- A unique value; no variable list is possible.
- 10 digit telephone number

-25 Not Applicable

-10 Not Known

-5 Not Available

**Additional Information**

- 10 digit telephone number

**Uses**

- Component of the EMS Agency Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

| D01_01 | EMS Agency Number | E00 | Common Null Values |
Definition

The primary email address of the Agency contact.

Data Format [text]

Field Values

- A unique value; no variable list is possible.
- Not Known
- Not Applicable
- Not Known
- Not Available

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

E00 Common Null Values
**Definition**

The primary website address (URL) of the agency.

**XSD Data Type**  xs:string  
**XSD Domain (Simple Type)**  WebAddress  
**Multiple Entry Configuration**  No  
**Accepts Null Value**  Yes  
**Required in XSD**  No  
**Minimum Constraint**  2  
**Maximum Constraint**  100  

**Field Values**

- A unique value; no variable list is possible.  
- Not Applicable  
- Not Known  
- Not Available

**Uses**

- Component of the EMS Agency Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01**  EMS Agency Number  
- **E00**  Common Null Values
**Definition**

The Last Name of the Agency's Medical Director

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicLastName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</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>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Uses**

- Component of the EMS Medical Director’s Contact Information/ Address

**Data Collector**

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

**Other Associated Elements**

- D01_01  EMS Agency Number
- D03_02  Agency Medical Director Middle Name/Initial
- D03_03  Agency Medical Director First Name
Definition
The Middle Name or Initial of the Agency's Medical Director

<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 Value</td>
<td>Yes</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>20</td>
</tr>
</tbody>
</table>

XSD Structure: D03_01, D03_02, and D03_03 are all members of D03_01_0 Agency Medical Director Name

Field Values
A unique value; no variable list is possible.
-25 Not Applicable
-10 Not Known
-5 Not Available

Uses
- Component of the EMS Medical Director’s Contact Information/Address

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

Other Associated Elements
- D01_01 EMS Agency Number
- D03_01 Agency Medical Director Last Name
- D03_03 Agency Medical Director First Name
- E00 Common Null Values
**Definition**

The First Name of the Agency's Medical Director

**XSD Data Type**  
xs:string

**XSD Domain (Simple Type)**  
FirstName

**Multiple Entry Configuration**  
No

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
1

**Maximum Constraint**  
20

**XSD Structure:** D03_01, D03_02, and D03_03 are all members of D03_01_0 Agency Medical Director Name

**Field Values**

- A unique value; no variable list is possible.
- -10 Not Known
- -25 Not Applicable
- -5 Not Available

**Uses**

- Component of the EMS Medical Director's Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01**  
  EMS Agency Number

- **D03_01**  
  Agency Medical Director Last Name

- **D03_02**  
  Agency Medical Director Middle Name/Initial

- **E00**  
  Common Null Values
**Definition**

The street or mailing address of the Agency's medical director

**XSD Data Type**  xs:string

**XSD Domain (Simple Type)**  StreetAddress

**Multiple Entry Configuration**  No

**Accepts Null Value**  Yes

**Required in XSD**  No

**Minimum Constraint**  2

**Maximum Constraint**  30

**XSD Structure:**  D03_04, D03_05, D03_06, and D03_07 are all members of D03_04_0 Agency Medical Director Address

**Field Values**

- A unique value; no variable list is possible.  -25 Not Applicable
- Not Known  -10  -5 Not Available

**Uses**

- Component of the EMS Medical Director's Contact Information/ Address

**Data Collector**

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

**Other Associated Elements**

- D01_01  EMS Agency Number
- D03_01  Agency Medical Director Last Name
- D03_05  Agency Medical Director City
- D03_06  Agency Medical Director State
- D03_07  Agency Medical Director Zip Code
- E00  Common Null Values
The city of the Agency medical director's mailing address

**Field Values**
- A unique value; no variable list is possible.
- Not Applicable
- Not Known
- Not Available

**Additional Information**
- 5 digit FIPS code
- Could be filled in from Zip Code entry (D03_07)

**Uses**
- Component of the EMS Medical Director's Contact Information/Address
- EMS Agency and typically only documented once then verified and updated yearly or when changed

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

**Other Associated Elements**
- D01_01 EMS Agency Number
- D03_01 Agency Medical Director Last Name
- D03_04 Agency Medical Director Address
- D03_06 Agency Medical Director State
- D03_07 Agency Medical Director Zip Code
- E00 Common Null Values
**Definition**

The state of the Agency medical director's mailing address

<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 Value</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: D03_04, D03_05, D03_06, and D03_07 are all members of D03_04_0 Agency Medical Director Address

**Field Values**

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

**Additional Information**

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Zip Code entry (D03_07)

**Uses**

- Component of the EMS Medical Director's Contact Information/Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D03_01** Agency Medical Director Last Name
- **D03_04** Agency Medical Director Address
- **D03_05** Agency Medical Director City
- **D03_07** Agency Medical Director Zip Code
- **E00** Common Null Values
Definition

The ZIP code of the Agency medical director's mailing address

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicZip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>5</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure: D03_04, D03_05, D03_06, and D03_07 are all members of D03_04_0 Agency Medical Director Address

Field Values

A unique value; no variable list is possible.

Additional Information

- Can be a 5 or 9 digit Zip Code

Uses

- Component of the EMS Medical Director’s Contact Information/ Address

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
<th>D03_01</th>
<th>Agency Medical Director Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>D03_04</td>
<td>Agency Medical Director Address</td>
<td>D03_05</td>
<td>Agency Medical Director City</td>
</tr>
<tr>
<td>D03_06</td>
<td>Agency Medical Director State</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Definition
The primary phone number of the Agency's medical director

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>TelephoneNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>10</td>
</tr>
</tbody>
</table>

Field Values
- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

Additional Information
- 10 digit telephone number

Uses
- Component of the EMS Medical Director’s Contact Information/ Address

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

Other Associated Elements
- D01_01 EMS Agency Number
- D03_01 Agency Medical Director Last Name
- E00 Common Null Values
Definition

The primary fax number of the Agency's medical director

Data Format [text]

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>TelephoneNumber</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>10</td>
</tr>
</tbody>
</table>

Field Values

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Medical Director’s Contact Information/Address

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number
- D03_01 Agency Medical Director Last Name
- E00 Common Null Values
Definition
The primary medical specialty of the Agency Medical Director.

Field Values
-25 Not Applicable
-5 Not Available
5990 Cardiology
6010 Family Practice
6030 Internal Medicine
6050 Orthopedics
6070 Pediatrics
5980 Anesthesiology
6000 Emergency Medicine
6020 General Practice (not board certified)
6040 Obstetrics and Gynecology
6060 Other
6080 Surgery

Uses
● Provides description of the Medical Direction of EMS Agencies

Data Collector
● EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements
- D01_01 EMS Agency Number
- D03_01 Agency Medical Director Last Name
- E00 Common Null Values
### Definition

The primary email address of the Agency's medical director

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>EmailAddress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>100</td>
</tr>
</tbody>
</table>

**Field Values**

- A unique value; no variable list is possible.
- Not Applicable: -25
- Not Known: -10
- Not Available: -5

**Uses**
- Component of the EMS Medical Director’s Contact Information/ Address

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D03_01</td>
<td>Agency Medical Director Last Name</td>
</tr>
<tr>
<td>E00</td>
<td>Common Null Values</td>
</tr>
</tbody>
</table>
Agency
Configuration
Information
Definition

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

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

**Required in XSD No**

Minimum Constraint 2

Maximum Constraint 30

XSD Structure: D04_01 is a member of D04_01_0 Demographic State Certification Licensure Levels

XSD Attributes: Status (Active or In-active) and Date are included as attributes

Field Values

- 6090 EMT-Basic
- 6110 EMT-Paramedic
- 6112 Physician
- 6100 EMT-Intermediate
- 6111 Nurse
- 6120 First Responder

Additional Information

- Additional EMS Certification Licensure Levels may be added by each state if a level exists in the state different than the provided variables. If an additional level is added, the new variable should be stored and passed in the xml in text format providing the name of the level.
- Multiple entry configuration to create a list box for Level of Service (D01_07), Crew Member Level (E04_03), Personnel Level of Vehicle Crew (D06_04), Personnel’s Highest Level of Certification/Licensure for Agency (D07_05), and State EMS Certification/Licensure Level (D08_15).
- Other levels should be entered here as per state rules and regulations.

Uses

- Allows data to be sorted based on an agency's credentialing levels.
- Used to create a list box for Items D01_07, E04_03, D06_04, D07_05, and D08_15.

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number
Definition

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

Field Values

Data Format: [text] multiple-entry

Additional Information

- Used to create a list box for EMS Unit Call Sign (E02_12)

Uses

- Allows data to data to be sorted by EMS unit and/or location.

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number

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

XSD Structure: D04_02 is a member of D04_02_0 Demographic State Certification Licensure Levels

XSD Attributes: Status (Active or In-active) and Date are included as attributes
ZONES

Data Format [text] multiple-entry

Definition
The geographic zones used by an agency to divide the service area into smaller geographic components. These zones can be defined locally using any method which will allow easy assignment of locations to their respective zone.

Field Values
A unique value; no variable list is possible.

Additional Information
- If GPS documentation is being done by the EMS Agency, the documentation of a zone is typically not required.
- Multiple entry configuration to create a list box for Vehicle Dispatch Zone (E02_14), Scene Zone Number (E08_09), Destination Zone Number (E20_09), and Station Zone (D05_03).

Uses
- Used to create a list box for Items E02_14, E08_09, E20_09, and D05_03.

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

Other Associated Elements
D01_01 EMS Agency Number

XSD Data Type xs:string XSD Domain (Simple Type) DemographicZoneNumber
Multiple Entry Configuration Yes Accepts Null Value No
Required in XSD No Minimum Constraint 1 Maximum Constraint 30
XSD Structure: D04_03 is a member of D04_03_0 Demographic State Certification Licensure Levels
**Definition**

A list of all procedures that the agency has implemented and available for use.

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

XSD Structure: D04_04 and D04_05 are members of D04_04_0 Demographic Procedure Structure

**Field Values**

- 89.820 12 Lead ECG
- 93.931 Airway-BVM
- 98.130 Airway-Cleared
- 93.900 Airway-CPAP
- 96.991 Airway-Intubation Confirm CO2
- 96.052 Airway-Laryngeal Mask
- 96.041 Airway-Nasotracheal Intubation
- 31.110 Airway-Needle Cricothyrotomy
- 96.040 Airway-Orotracheal Intubation
- 98.150 Airway-Suctioning
- 96.700 Airway-Ventilator Operation
- 38.910 Arterial Access-Blood Draw
- 89.700 Assessment-Adult
- 38.995 Blood Glucose Analysis
- 89.510 Cardiac Monitor
- 99.626 Cardiac Pacing-Transvenous
- 99.640 Carotid Massage
- 34.042 Chest Tube Placement
- 1.181 CNS Catheter-Epidural Maintenance
- 99.600 CPR
- 86.280 Decontamination
- 100.200 Extrication
- 37.611 Intra-Aortic Balloon Pump
- 96.070 Nasogastric Tube Insertion
- 89.702 Pain Measurement
- 100.100 Rescue
- 99.842 Restraints-Physical
- 93.540 Splinting-Basic
- 89.703 Temperature Measurement
- 57.940 Urinary Catheterization
- 89.620 Venous Access-Central Line Maintenance
- 38.991 Venous Access-Existing Catheter
- 38.992 Venous Access-Extremity
- 39.995 Venous Access-Internal Jugular Line
- 93.930 Airway-Bagged
- 97.230 Airway-Change Tracheostomy Tube
- 96.051 Airway-Combitube
- 96.030 Airway-EOA/EGTA
- 96.992 Airway-Intubation Confirm Esophageal Bulb
- 96.010 Airway-Nasal
- 93.940 Airway-Nebulizer Treatment
- 96.020 Airway-Oral
- 96.790 Airway-PEEP
- 93.910 Airway-Respirator Operation (BLS)
- 31.120 Airway-Surgical Cricothyrotomy
- 96.701 Airway-Ventilator with PEEP
- 89.610 Arterial Line Maintenance
- 89.701 Assessment-Pediatric
- 89.391 Capnography
- 99.624 Cardiac Pacing-External
- 99.623 Cardioversion
- 34.041 Chest Decompression
- 73.590 Childbirth
- 1.182 CNS Catheter-Intraventricular Maintenance
- 99.601 CPR by External Automated Device
- 99.621 Defibrillation-Automated (AED)
- 99.625 Defibrillation-Placement for Monitoring/Analysis
- 99.290 Injections-SQ/IM
- 93.580 MAST
- 89.590 Orthostatic Blood Pressure Measurement
- 89.392 Pulse Oximetry
- 99.841 Restraints-Pharmacological
- 93.591 Spinal Immobilization
- 93.450 Splinting-Traction
- 89.704 Thrombolytic Screen
- 38.990 Venous Access-Blood Draw
- 39.997 Venous Access-Discontinue
- 38.993 Venous Access-External Jugular Line
- 38.994 Venous Access-Femoral Line
- 41.920 Venous Access-Intraosseous Adult
Additional Information

- A multiple-entry configuration with Personnel Level Permitted to use the Procedure (D04_05)
- If local systems have procedures which are not listed in the current values, additional procedures may be added using CPT codes from the ICD-9 standard. The CPT code should be stored and passed via the XML. This will allow expansion of the list to formally add new procedures over time
- Used to create a list box for Procedure (E19_03)

Uses

- Allows data to be sorted based on an agency’s Procedure capabilities
- Provides descriptive information when combined with an EMS Agency’s Billing Status
- Used to create a list box for Response to Procedure (E19_08)

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>EMS Agency Number</th>
<th>Personnel Level Permitted to Use the Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01_01</td>
<td>D04_05</td>
</tr>
</tbody>
</table>

References in NHTSA Version 1

Desirable Element 58  Time of First CPR
Desirable Element 63  Time of First Defibrillatory Shock
Essential Element 78  Procedure or Treatment Name

References to Other Databases

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

All Personnel Levels which are permitted to use the associated procedure.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string/integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicStateCertificationLicensureLevels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>(1) Yes with each Procedure.</td>
<td>(2) Yes, via structure</td>
<td></td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>Maximum Constraint</td>
</tr>
<tr>
<td>XSD Structure:</td>
<td>D04_04 and D04_05 are members of D04_04_0 Demographic Procedure Structure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XSD Attributes:</td>
<td>Status (Active or In-active) and Date are included as attributes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

- 6090 EMT-Basic
- 6100 EMT-Intermediate
- 6110 EMT-Paramedic
- 6111 Nurse
- 6112 Physician
- 6120 First Responder

**Additional Information**

- This list can be edited by each state to account for additional certification/licensure level by adding levels as listed in State Certification/Licensure Levels (D04_01). State Certification/Licensure levels (D04_01) should create the list for this item.
- This value is stored either as the appropriate code or in text if an additional certification/licensure level has been entered by a state.

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D04_04 Procedures
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DemographicMedicationsGiven</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</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>30</td>
</tr>
</tbody>
</table>

XSD Structure: D04_06 and D04_07 are members of D04_06_0 Demographic Medication Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- At this time a national drug index or coding scheme, which would allow for a single code to be assigned to a single drug, does not exist.
- The Drug List may contain any generic or trade name of a drug approved by the FDA and administered by EMS. The medication is stored and passed via XML in a text format.
- Used to create a list box for Medication Given (E18_03) and Prior Aid (E09_01)

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D04_07 Personnel Level Permitted to Use the Medication

**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/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
Definition
All personnel levels which are permitted to use the associated medication

Field Values

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6090</td>
<td>EMT-Basic</td>
</tr>
<tr>
<td>6110</td>
<td>EMT-Paramedic</td>
</tr>
<tr>
<td>6111</td>
<td>Nurse</td>
</tr>
<tr>
<td>6112</td>
<td>Physician</td>
</tr>
<tr>
<td>6120</td>
<td>First Responder</td>
</tr>
</tbody>
</table>

Additional Information
- This list can be edited by each state to account for additional certification/licensure level by adding levels as listed in State Certification/Licensure Levels (D04_01). State Certification/Licensure levels (D04_01) should create the list for this item
- This value is stored either as the appropriate code or in text if an additional certification/licensure level has been entered by a state

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

Other Associated Elements
- D01_01  EMS Agency Number
- D04_06  Medications Given
Definition
A list of all of the medical treatment protocols that the agency has in place and available for use. Specific Adult or Pediatric Protocols should be mapped to one of these topics if possible.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DemographicProtocolsUsed</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</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>30</td>
</tr>
</tbody>
</table>

XSD Structure: D04_08 and D04_09 are members of D04_08_0 Demographic Protocol Structure
XSD Attributes: Status (Active or In-active) and Date are included as attributes

Field Values
6720 Abdominal Pain
6740 Airway-Failed
6770 Allergic Reaction/Anaphylaxis
6785 Altitude Sickness
6791 Atrial Fibrillation
6810 Behavioral
6830 Bradycardia
6850 Cardiac Arrest
6870 Childbirth/Labor
6880 Dental Problems
6885 Diarrhea
6892 Diving Emergencies
6910 Epistaxis
6912 Exposure-Biological/Infectious
6914 Exposure-Cyanide
6916 Exposure-Radiologic Agents
6920 Extremity Trauma
6930 Fever
6940 Head Trauma
6950 Hypertension
6965 Hypoglycemia
6980 Hypothermia
7000 Trauma-Multisystem
7020 Obstetrical Emergencies
7040 Pain Control
7140 Pulmonary Edema
7160 Respiratory Distress
7175 Spinal Cord Trauma
7190 Supraventricular Tachycardia
7210 Syncope
7215 Trauma-Amputation
7230 Ventricular Fibrillation
7240 Ventricular Tachycardia
7251 Vomiting

Additional Information
- Can be used as a qualifying measure to compare care provided to protocol guidance
If local systems have protocols which are not listed in the current values, additional protocols may be added as a text name. The text value should be stored and passed via the XML. This will allow expansion of the list to formally add new procedures over time. Please map all existing protocols to these coded protocol subjects as much as possible.

**Uses**
- Allows data to be sorted based on an agency’s Protocols
- Could be used to create a list box for Protocols Used (E17_01)
- Provides description of EMS Agency’s capabilities
- Provides descriptive information when combined with an EMS Agency’s Billing Status

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

**Other Associated Elements**

| D01_01 | EMS Agency Number | D04_09 | Personnel Level Permitted to Use the Protocol |
Definition

All personnel levels which are permitted to use the associated Protocol

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string/integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicStateCertificationLicensureLevels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>(1) Yes with each Procedure. (2) Yes, via structure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>XSD Structure:</td>
<td>D04_08 and D04_09 are members of D04_08_0 Demographic Protocol Structure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XSD Attributes:</td>
<td>Status (Active or In-active) and Date are included as attributes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values

<table>
<thead>
<tr>
<th>6090</th>
<th>EMT-Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>6100</td>
<td>EMT-Intermediate</td>
</tr>
<tr>
<td>6110</td>
<td>EMT-Paramedic</td>
</tr>
<tr>
<td>6111</td>
<td>Nurse</td>
</tr>
<tr>
<td>6112</td>
<td>Physician</td>
</tr>
<tr>
<td>6120</td>
<td>First Responder</td>
</tr>
</tbody>
</table>

Additional Information

- This list can be edited by each state to account for additional certification/licensure level by adding levels as listed in State Certification/Licensure Levels (D04_01). State Certification/Licensure levels (D04_01) should create the list for this item.
- This value is stored either as the appropriate code or in text if an additional certification/licensure level has been entered by a state.

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D04_08</td>
<td>Protocol</td>
</tr>
</tbody>
</table>

Section D04  
Agency Configuration Information  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1  
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**BILLING STATUS**

**Data Format**  [combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>BillingStatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
</tbody>
</table>

**Required in XSD**  No

**XSD Structure:**  D04_10 is a member of D04_10_0 Demographic State Certification Licensure Levels

**XSD Attributes:**  Status (Active or In-active) and Date are included as attributes

**Field Values**

- 0 No
- 1 Yes

**Uses**
- Allows data to be sorted based on an agency's Billing Status
- Provides description of EMS agencies based on credentialing levels recognized by the state

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

**Other Associated Elements**
D01_01  EMS Agency Number
**Definition**

A list of all the hospitals the agency transports to or from

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

XSD Structure: D04_11 and D04_12 are members of D04_11_0 Hospitals Served Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration used to create a list box for Destination/Transferred to (E20_01) and Vehicle Dispatch Location (E02_13)

**Uses**

- Could be used to create a list box (along with D04_13) for Destination/Transferred to (E20_01) and Vehicle Dispatch Location (E02_13)

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D04_12** Hospital Facility Number
**HOSPITAL FACILITY NUMBER**

**Data Format** [text]

**Definition**

The state assigned licensure number (code) for each Hospital Served (D04_11)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>FacilityNumber</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</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>30</td>
</tr>
</tbody>
</table>

**XSD Structure**: D04_11 and D04_12 are members of D04_11_0 Hospitals Served Structure

**Field Values**

- A unique value; no variable list is possible. -25 Not Applicable
- -10 Not Known -5 Not Available

**Additional Information**

- Multiple entry configuration to create a list box for Incident Facility Code (E08_08) and Destination Transferred to Code (E20_02)
- This field could also provide linkage to Hospitals Served (D04_11) which would allow a list box of Hospital Names to be used instead of entering the Code directly

**Uses**

- Could be used to create a list box (along with D04_14) for Incident Facility Code (E08_08) and Destination Transferred to Code (E20_02)

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D04_11** Hospitals Served
- **E00** Common Null Values
**Definition**

A list of all destinations other than hospitals which an agency transports to or from

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

XSD Structure: D04_13, D04_14 and D04_15 are members of D04_13_0 Other Destinations Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration used to create a list box for Destination/Transferred to (E20_01) and Vehicle Dispatch Location (E02_13)

**Uses**

- Could be used to create a list box (along with D04_11) for Destination/Transferred to (E20_01) and Vehicle Dispatch Location (E02_13)

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D04_14 Destination Facility Number
- D04_15 Destination Type
**Definition**

The state assigned licensure number (code) for each Other Destination (D04_13)

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

**XSD Structure:** D04_13, D04_14 and D04_15 are members of D04_13_0 Other Destinations Structure

**Field Values**

- A unique value; no variable list is possible.  
- -25 Not Applicable  
- -10 Not Known  
- -5 Not Available  

**Additional Information**

- Multiple entry configuration to create a list box for Incident Facility Code (E8_08) and Destination Transferred to Code (E20_02)  
- This field could also provide linkage to Other Destinations (D04_13) which would allow a list box of Other Destination Names to be used instead of entering the Code directly

**Uses**

- Allows data to be sorted or grouped based on the EMS transports destination type  
- Could be used to create a list box (along with D04_12) for Incident Facility Code (E08_08) and Destination Transferred to Code (E20_02)

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number  
- D04_13 Other Destinations  
- D04_15 Destination Type  
- E00 Common Null Values
**Definition**

The type of facility associated with the Other Destination (D04_13)

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

Required in XSD: No

XSD Structure: D04_13, D04_14 and D04_15 are members of D04_13_0 Other Destinations Structure

**Field Values**

- 7270 Home
- 7290 Medical Office/Clinic
- 7320 Nursing Home
- 7340 Other EMS Responder (air)
- 7360 Police/Jail
- 7280 Hospital
- 7300 Morgue
- 7330 Other
- 7350 Other EMS Responder (ground)

**Additional Information**

- Can be used to auto-fill Type of Destination (E20_17) based on Other Destination (D04_13) or Destination Facility Number (D04_14)

**Uses**

- Allows data to be sorted based on an agency's Destination Type
- Allows data to be sorted or grouped based on the EMS transports destination type
- Provides a component of a list box associated with Other Destinations (D04_13)
- Provides description of EMS Agency's Destination Types

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D04_13 Other Destinations
- D04_14 Destination Facility Number

**References in NHTSA Version 1**

Essential Element 44 Destination/Transferred To
**Definition**

A list of insurance companies which are prevalent in the Agencies service area.

---

**Data Format**  [text] multiple-entry

---

### Field Values

A unique value; no variable list is possible.

---

### Additional Information

- Multiple entry configuration to create a list box for Insurance Company Name (E07_03)

---

### Uses

- Allows data to be sorted or grouped based on the EMS transports destination type
- Could be used to create a list box for Insurance Company Name (E07_03)

---

### Data Collector

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

---

### Other Associated Elements

- **D01_01**  EMS Agency Number
**Definition**
The Vendor or Company associated with the EMD Card set and algorithms

**Data Format**
D04_17EMD VENDOR

**Field Values**
A unique value; no variable list is possible.

**Uses**
- Identifies the type of EMD cards used so they may be used in Quality Management reports which compare EMS systems

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

**Other Associated Elements**
D01_01  EMS Agency Number
Agency Station Information
**Definition**
Name of the agency's station

**XSD Data Type**  
`xs:string`  
**XSD Domain (Simple Type)**  
`StationName`

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

**Required in XSD**  
No  
**Minimum Constraint**  
2  
**Maximum Constraint**  
50

**Field Values**
A unique value; no variable list is possible.

**Additional Information**
- Multiple Entry Configuration for D05_01 through D05_09
- Provides part of the list box for Vehicle Dispatch Location (E02_13)

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

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

**Other Associated Elements**
- **D01_01** EMS Agency Number  
- **D05_02** Station Number  
- **D05_03** Station Zone  
- **D05_04** Station GPS  
- **D05_05** Station Address  
- **D05_06** Station City  
- **D05_07** Station State  
- **D05_08** Station Zip  
- **D05_09** Station Telephone Number
Definition

ID number of the agency's station

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

XSD Structure: Data Elements D05_01 through D05_09 are all within the Agency Information Structure

Field Values

- A unique value; no variable list is possible. 
-25 Not Applicable
-10 Not Known
-5 Not Available

Uses

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

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01 EMS Agency Number</th>
<th>D05_01 Station Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>D05_03 Station Zone</td>
<td>D05_04 Station GPS</td>
</tr>
<tr>
<td>D05_05 Station Address</td>
<td>D05_06 Station City</td>
</tr>
<tr>
<td>D05_07 Station State</td>
<td>D05_08 Station Zip</td>
</tr>
<tr>
<td>D05_09 Station Telephone Number</td>
<td>E00 Common Null Values</td>
</tr>
</tbody>
</table>
**Definition**
The geographic zone or location of the agency's station

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicZoneNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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>30</td>
</tr>
</tbody>
</table>

XSD Structure: Data Elements D05_01 through D05_09 are all within the Agency Information Structure

**Field Values**
A unique value; no variable list is possible.

**Additional Information**
- Selected from a list of geographic zones specific for each agency as defined in Zones (D04_03)

**Uses**
- Allows data to be sorted based on an agency's Station Zone

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

**Other Associated Elements**
- **D05_01** EMS Agency Number
- **D05_02** Station Number
- **D05_03** Station Name
- **D05_04** Station GPS
- **D05_05** Station Address
- **D05_06** Station City
- **D05_07** Station State
- **D05_08** Station Zip
- **D05_09** Station Telephone Number
Definition
The GPS coordinate for the agency's station

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

XSD Structure: Data Elements D05_01 through D05_09 are all within the Agency Information Structure
XSD Attributes: Latitude and Longitude are each included as attributes

Field Values
A unique value; no variable list is possible.

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

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

Other Associated Elements
- D01_01 EMS Agency Number
- D05_02 Station Number
- D05_05 Station Address
- D05_07 Station State
- D05_09 Station Telephone Number
- D05_01 Station Name
- D05_03 Station Zone
- D05_06 Station City
- D05_08 Station Zip
Definition
Address of the agency's station

XSD Data Type: xs:string
XSD Domain (Simple Type): StreetAddress
Multiple Entry Configuration: Yes, via structure
Accepts Null Value: Yes

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

Field Values
A unique value; no variable list is possible.
-25 Not Applicable
-10 Not Known
-5 Not Available

Uses
- Component of the EMS Agency’s Station Address

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

Other Associated Elements
D01_01 EMS Agency Number
D05_02 Station Number
D05_04 Station GPS
D05_07 Station State
D05_09 Station Telephone Number
D05_01 Station Name
D05_03 Station Zone
D05_06 Station City
D05_08 Station Zip
E00 Common Null Values
**Definition**

City of the agency's station

### XSD Data Type

| xs:string |

### XSD Domain (Simple Type)

City

### Multiple Entry Configuration

Yes, via structure

### Accepts Null Value

Yes

### Required in XSD

No

### Minimum Constraint

2

### Maximum Constraint

30

### XSD Structure:

1. Data Elements D05_01 through D05_09 are all within the Agency Information Structure.
2. Data Elements D05_05, D05_06, D05_07, and D05_08 are all members of D05_05_0 Station Address Structure

### Field Values

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

### Additional Information

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

### Uses

- Component of the EMS Agency's Station Address

### Data Collector

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

### Other Associated Elements

- **D01_01** EMS Agency Number
- **D05_01** Station Name
- **D05_02** Station Number
- **D05_03** Station Zone
- **D05_04** Station GPS
- **D05_05** Station Address
- **D05_07** Station State
- **D05_08** Station Zip
- **D05_09** Station Telephone Number
- **E00** Common Null Values
**Definition**

State of the agency's station

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

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 3

**Field Values**

- A unique value; no variable list is possible.
- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Station Zip Code entry (D05_08)

**Additional Information**

- Not Applicable
- Not Known
- Not Available

**Uses**

- Component of the EMS Agency's Station Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D05_01** Station Name
- **D05_02** Station Number
- **D05_03** Station Zone
- **D05_04** Station GPS
- **D05_05** Station Address
- **D05_06** Station City
- **D05_07** Station Telephone Number
- **D05_08** Station Zip
- **E00** Common Null Values

---

**Section D05**

Agency Station Information

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**Definition**

ZIP Code of the agency's station

**Field Values**

- Can be 5 or 9 digit Zip Code

**Additional Information**

- Component of the EMS Agency’s Station Address

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- EMS Agency Number (D01_01)
- Station Number (D05_02)
- Station GPS (D05_04)
- Station City (D05_06)
- Station Telephone Number (D05_09)
- Station Name (D05_01)
- Station Zone (D05_03)
- Station Address (D05_05)
- Station State (D05_07)

**XSD Data Type**

- xs:string

**XSD Domain (Simple Type)**

- DemographicZip

**Multiple Entry Configuration**

- Yes, via structure

**Accepts Null Value**

- No

**Required in XSD**

- No

**Minimum Constraint**

- 5

**Maximum Constraint**

- 10

XSD Structure: (1) Data Elements D05_01 through D05_09 are all within the Agency Information Structure. (2) Data Elements D05_05, D05_06, D05_07, and D05_08 are all members of D05_05_0 Station Address Structure.
**Definition**

The telephone number of the agency's station

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>TelephoneNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>10</td>
</tr>
</tbody>
</table>

**Field Values**

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

**Additional Information**

- 10 digit telephone number

**Uses**

- Component of the EMS Agency’s Station Address

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D05_01** Station Name
- **D05_02** Station Number
- **D05_03** Station Zone
- **D05_04** Station GPS
- **D05_05** Station Address
- **D05_06** Station City
- **D05_07** Station State
- **D05_08** Station Zip
- **E00** Common Null Values
Agency Vehicle Information
**Definition**

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

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

**Required in XSD**  No

**Minimum Constraint**  2

**Maximum Constraint**  50

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple Entry Configuration for D06_01 through D06_10

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D06_04 State Certification/Licensure Levels
- D06_06 Vehicle Initial Cost
- D06_08 Year Miles/Hours Accrued
- D06_10 Annual Vehicle Miles
- D06_03 Vehicle Type
- D06_05 Number Of Each Personnel Level on the Vehicle Crew
- D06_07 Vehicle Model Year
- D06_09 Annual Vehicle Hours

**References in NHTSA Version 1**

Essential Element 24  Agency/Unit Number
**Definition**

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

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

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure

**Field Values**

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

**Uses**

- Allows data to be sorted based on the Vehicle Type

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D06_04 State Certification/Licensure Levels
- D06_06 Vehicle Initial Cost
- D06_08 Year Miles/Hours Accrued
- D06_09 Annual Vehicle Miles
- D06_01 Unit/Vehicle Number
- D06_05 Number Of Each Personnel Level on the Vehicle Crew
- D06_07 Vehicle Model Year

**References in NHTSA Version 1**

- Essential Element 25 Vehicle Type
STATE CERTIFICATION/ LICENSURE LEVELS

Data Format  [combo] single-choice

Definition

The personnel certification/licensure level of the vehicle crew member

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>StateCertificationLicensureLevels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure. (2) D06_04 and D06_05 are members of D06_04_0 Vehicle Crew Structure

Field Values

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6090</td>
<td>EMT-Basic</td>
</tr>
<tr>
<td>6110</td>
<td>EMT-Paramedic</td>
</tr>
<tr>
<td>6112</td>
<td>Physician</td>
</tr>
<tr>
<td>6100</td>
<td>EMT-Intermediate</td>
</tr>
<tr>
<td>6111</td>
<td>Nurse</td>
</tr>
<tr>
<td>6120</td>
<td>First Responder</td>
</tr>
</tbody>
</table>

Additional Information

- A list box created from State Certification/ Licensure Level (D04_01)
- Multiple Entry Configuration for D06_04 and D06_05

Uses

- Allows data to be grouped or compared by Vehicle Crew Configuration
- Allows data to be sorted based on an agency's Vehicle Crew Configuration

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number
- D06_03 Vehicle Type
- D06_06 Vehicle Initial Cost
- D06_08 Year Miles/Hours Accrued
- D06_10 Annual Vehicle Miles
- D06_01 Unit/Vehicle Number
- D06_05 Number Of Each Personnel Level on the Vehicle Crew
- D06_07 Vehicle Model Year
- D06_09 Annual Vehicle Hours
Definition
The number of each personnel level associated with the vehicle crew.

Field Values
A unique value; no variable list is possible.

Additional Information
- Multiple Entry Configuration for D06_04 and D06_05

Uses
- Allows data to be grouped or compared by Vehicle Crew Configuration
- Allows data to be sorted based on an agency's Vehicle Crew Configuration

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
<th>D06_01</th>
<th>Unit/Vehicle Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D06_03</td>
<td>Vehicle Type</td>
<td>D06_04</td>
<td>State Certification/Licensure Levels</td>
</tr>
<tr>
<td>D06_06</td>
<td>Vehicle Initial Cost</td>
<td>D06_07</td>
<td>Vehicle Model Year</td>
</tr>
<tr>
<td>D06_08</td>
<td>Year Miles/Hours Accrued</td>
<td>D06_09</td>
<td>Annual Vehicle Hours</td>
</tr>
<tr>
<td>D06_10</td>
<td>Annual Vehicle Miles</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Definition

The initial cost of the vehicle excluding all medical and other equipment not associated with the vehicle operation. This cost should be inclusive of all sources of funding including grants, donations, and any other capital.

Field Values

A unique value; no variable list is possible.

Uses

- Provides description of EMS agencies and resources

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number
- D06_01 Unit/Vehicle Number
- D06_03 Vehicle Type
- D06_04 State Certification/Licensure Levels
- D06_05 Number Of Each Personnel Level on the Vehicle Crew
- D06_07 Vehicle Model Year
- D06_08 Year Miles/Hours Accrued
- D06_09 Annual Vehicle Hours
- D06_10 Annual Vehicle Miles

XSD Data Type: xs:positiveInteger
XSD Domain (Simple Type): VehicleInitialCost
Multiple Entry Configuration: Yes, via structure
Accepts Null Value: No

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure

Minimum Constraint: 1
Maximum Constraint: 100,000,000

Required in XSD: No

Section D06
Agency Vehicle Information

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:gYear</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>VehicleYear</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1,900</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>2,030</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [YYYY]

**Uses**

- Provides description of EMS agencies and resources

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D06_01 Unit/Vehicle Number
- D06_03 Vehicle Type
- D06_04 State Certification/Licensure Levels
- D06_05 Number Of Each Personnel Level on the Vehicle Crew
- D06_06 Vehicle Initial Cost
- D06_08 Year Miles/Hours Accrued
- D06_09 Annual Vehicle Hours
- D06_10 Annual Vehicle Miles
YEAR MILES/HOURS ACCRUED

Data Format [date/time]

Definition
The year the Hours and miles were accumulated.

Field Values
A unique value; no variable list is possible.

Additional Information
- Multiple entry configuration to allow multiple years of data to be collected over time using Year Miles/Hours Accrued (D06_08), Annual Vehicle Hours (D06_09) and Annual Vehicle Miles (D06_10)
- Used to identify the use of EMS vehicles over time.

Uses
- Provides description of EMS agencies and resources

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

Other Associated Elements

- **D01_01** EMS Agency Number
- **D06_01** Unit/Vehicle Number
- **D06_03** Vehicle Type
- **D06_04** State Certification/Licensure Levels
- **D06_05** Number Of Each Personnel Level on the Vehicle Crew
- **D06_06** Vehicle Initial Cost
- **D06_07** Vehicle Model Year
- **D06_08** Annual Vehicle Hours
- **D06_09** Annual Vehicle Miles

XSD Data Type xs:gYear
XSD Domain (Simple Type) VehicleYear

Multiple Entry Configuration Yes, via structure
Accepts Null Value No

Required in XSD No
Minimum Constraint 1,900
Maximum Constraint 2,030

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure. (2) D06_08, D06_09, and D06_10 are all members of D06_08_0 Vehicle Miles/Hours Structure.
**ANNUAL VEHICLE HOURS**

**Data Format**  [number]

**Definition**

The number of hours the vehicle was in service for the agency for the defined year.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:positiveInteger</th>
<th>XSD Domain (Simple Type)</th>
<th>VehicleHours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>10,000</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure. (2) D06_08, D06_09, and D06_10 are all members of D06_08_0 Vehicle Miles/Hours Structure

**Field Values**

- A unique value; no variable list is possible.  
-25 Not Applicable

-10 Not Known  
-5 Not Available

**Additional Information**

- Depending on the vehicles measurement system, hours (D06_09) or miles (D06_10) should be provided as appropriate
- Used to identify the use of EMS vehicles over time.

**Uses**

- Provides description of EMS agencies and resources

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number  
- D06_03 Vehicle Type  
- D06_05 Number Of Each Personnel Level on the Vehicle Crew  
- D06_07 Vehicle Model Year  
- D06_10 Annual Vehicle Miles  
- D06_01 Unit/Vehicle Number  
- D06_04 State Certification/Licensure Levels  
- D06_06 Vehicle Initial Cost  
- D06_08 Year Miles/Hours Accrued  
- E00 Common Null Values
**Definition**

The number of miles the vehicle accumulated in service for the agency for the defined year (Odometer Reading)

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

**Multiple Entry Configuration**

- Yes, via structure

**Accepts Null Value**

- Yes

**Required in XSD**

- No

**Minimum Constraint**

- 0

**Maximum Constraint**

- 1,000,000

**XSD Structure:**

1. Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure.
2. D06_08, D06_09, and D06_10 are all members of D06_08_0 Vehicle Miles/Hours Structure.

**Field Values**

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

**Additional Information**

- Depending on the vehicle's measurement system, hours (D06_09) or miles (D06_10) should be provided as appropriate.
- Used to identify the use of EMS vehicles over time.

**Uses**

- Provides description of EMS agencies and resources

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D06_01</td>
<td>Unit/Vehicle Number</td>
</tr>
<tr>
<td>D06_03</td>
<td>Vehicle Type</td>
</tr>
<tr>
<td>D06_04</td>
<td>State Certification/Licensure Levels</td>
</tr>
<tr>
<td>D06_05</td>
<td>Number Of Each Personnel Level on the Vehicle Crew</td>
</tr>
<tr>
<td>D06_06</td>
<td>Vehicle Initial Cost</td>
</tr>
<tr>
<td>D06_07</td>
<td>Vehicle Model Year</td>
</tr>
<tr>
<td>D06_08</td>
<td>Year Miles/Hours Accrued</td>
</tr>
<tr>
<td>D06_09</td>
<td>Annual Vehicle Hours</td>
</tr>
<tr>
<td>E00</td>
<td>Common Null Values</td>
</tr>
</tbody>
</table>
**PERSONNEL'S AGENCY ID NUMBER**

**Data Format** [text]

**Definition**
Local agency ID number for personnel

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>Personnel's Agency ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</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>

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

**Field Values**
A unique value; no variable list is possible.

**Additional Information**
- This number should be unique to the individual and never reused after personnel leave the agency

**Uses**
- Allows data to be sorted or grouped based on an Individual

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

**Other Associated Elements**
- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D07_03 Personnel's Employment Status
- D07_04 Employment Status Date
- D07_05 Personnel's Level of Certification/Licensure for Agency
- D07_06 Date of Personnel's Certification or Licensure for Agency

**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
STATE/ LICENSURE ID NUMBER

Data Format [text]

Definition
The state certification/licensure ID number assigned to the crew member

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>StateLicensureID</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</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>15</td>
</tr>
</tbody>
</table>

XSD Structure: 
(1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. 
(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

Field Values
A unique value; no variable list is possible.

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

Uses
- Allows data to be sorted or grouped based on an Individual’s State ID
- Used to create a list box for Crew Member ID (E04_01), Medication Crew Member ID (E18_09), Procedure Crew Member ID (E19_09), and Who Generated this Report (E23_10)

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

Other Associated Elements
- D01_01  EMS Agency Number
- D07_03  Personnel's Employment Status
- D07_05  Personnel's Level of Certification/Licensure for Agency
- D07_01  Personnels Agency ID Number
- D07_04  Employment Status Date
- D07_06  Date of Personnel's Certification or Licensure for Agency
- D08_01  EMS Personnel's Last Name

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
**Definition**

Personnel's Employment Status for this Agency

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

**Required in XSD**  No

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D07_03 and D07_04 are members of D07_03_0 Employment Status Structure

**Field Values**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7490</td>
<td>Full Time Paid Employee</td>
</tr>
<tr>
<td>7500</td>
<td>Full Time Unpaid Employee</td>
</tr>
<tr>
<td>7510</td>
<td>Part Time Paid and Part Time Unpaid Employee</td>
</tr>
<tr>
<td>7520</td>
<td>Part Time Paid Employee</td>
</tr>
<tr>
<td>7530</td>
<td>Part Time Unpaid Employee</td>
</tr>
</tbody>
</table>

**Additional Information**

- Multiple entry configuration associated with Employment Status Date (D07_04)

**Uses**

- Allows data to be sorted or grouped based on an Individual’s Employment Status
- Provides description of EMS agencies and resources

**Data Collector**

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

**Other Associated Elements**

- **D01_01**  EMS Agency Number
- **D07_01**  Personnel's Agency ID Number
- **D07_02**  State/Licensure ID Number
- **D07_04**  Employment Status Date
- **D07_05**  Personnel's Level of Certification/Licensure for Agency
- **D07_06**  Date of Personnel's Certification or Licensure for Agency
**EMPLOYMENT STATUS DATE**

**Data Format**  [date/time]

**Definition**

The date that the employee status was assigned

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:date</th>
<th>XSD Domain (Simple Type)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1,920</td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Used to identify the effective date of the status

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

| D01_01 | EMS Agency Number | D07_01 | Personnell's Agency ID Number |
| D07_02 | State/Licensure ID Number | D07_03 | Personnell's Employment Status |
| D07_05 | Personnell's Level of Certification/Licensure for Agency | D07_06 | Date of Personnell's Certification or Licensure for Agency |

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D07_03 and D07_04 are members of D07_03_0 Employment Status Structure
**Definition**
Personnel's level of certification in this agency in the associated year

**Data Format** [combo] single-choice

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string/integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicStateCertificationLicensureLevels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, for Structures 1 and 3</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>XSD Structure:</td>
<td>(1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D07_05 and D07_06 are members of D07_05_0 Level of Certification Structure</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6090</td>
<td>EMT-Basic</td>
</tr>
<tr>
<td>6100</td>
<td>EMT-Intermediate</td>
</tr>
<tr>
<td>6110</td>
<td>EMT-Paramedic</td>
</tr>
<tr>
<td>6111</td>
<td>Nurse</td>
</tr>
<tr>
<td>6112</td>
<td>Physician</td>
</tr>
<tr>
<td>6120</td>
<td>First Responder</td>
</tr>
</tbody>
</table>

- Text as defined in D04_01

**Additional Information**
- Multiple entry configuration for each Personnel's Agency ID Number (D07_01) and associated with the Date of Personnel's Certification or Licensure for Agency (D07_06)
- Other variables as defined in State Certification/ Licensure Level (D04_01)

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

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>D01_01</th>
<th>D07_01 Personnell's Agency ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D07_02</td>
<td>D07_03 Personnell's Employment Status</td>
</tr>
<tr>
<td>D07_04</td>
<td>D07_06 Date of Personnell's Certification or Licensure for Agency</td>
</tr>
</tbody>
</table>
Definition
The date that the Certification/Licensure was achieved

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>A unique value; no variable list is possible.</td>
</tr>
</tbody>
</table>

Additional Information
- Used to identify the year the Certification was achieved

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

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

Other Associated Elements
- D01_01 EMS Agency Number
- D07_01 Personnel's Agency ID Number
- D07_02 State/Licensure ID Number
- D07_03 Personnel's Employment Status
- D07_04 Employment Status Date
- D07_05 Personnel's Level of Certification/Licensure for Agency
General Personnel Information
**Definition**

Last Name of personnel

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicLastName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure 2</td>
<td>Accepts Null Value</td>
<td>No</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>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**

A unique value; no variable list is possible.

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_02 EMS Personnel's Middle Name/Initial
- D08_03 EMS Personnel's First Name
Definition

Middle name or initial of personnel

<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>Yes, via structure 2</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
</tbody>
</table>

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

Field Values

- A unique value; no variable list is possible. -25 Not Applicable
- -10 Not Known -5 Not Available

Uses

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

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
- D08_03 EMS Personnel's First Name
- E00 Common Null Values
**EMS PERSONNEL'S FIRST NAME**

**Data Format**  [text]

**Definition**
First name of personnel

<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>Yes, via structure 2</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
</tbody>
</table>

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

**Field Values**
- A unique value; no variable list is possible. 
-25 Not Applicable
-10 Not Known 
-5 Not Available

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

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

**Other Associated Elements**
- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
- D08_02 EMS Personnel's Middle Name/Initial
- E00 Common Null Values
Definition
Street or PO Box of the personnel's mailing address

XSD Data Type: xs:string
XSD Domain (Simple Type): StreetAddress
Multiple Entry Configuration: Yes, via structure 2
Accepts Null Value: Yes

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

Field Values
- A unique value; no variable list is possible.
- Not Applicable
- Not Known
- Not Available

Uses
- Component of the EMS Personnel's Contact Information/ Address

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

Other Associated Elements
- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
- D08_05 EMS Personnel's City of Residence
- D08_06 EMS Personnel's State
- D08_07 EMS Personnel's Zip Code
- E00 Common Null Values
**Definition**
City of personnel's mailing address

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

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure

**Field Values**
- A unique value; no variable list is possible.
- 25 Not Applicable
- 10 Not Known
- 5 Not Available

**Additional Information**
- 5 digit FIPS code
- Could be filled in from EMS Personnel's Zip Code entry (D08_07)

**Uses**
- Component of the EMS Personnel's Contact Information/ Address

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

**Other Associated Elements**
- **D01_01** EMS Agency Number
- **D07_02** State/Licensure ID Number
- **D08_01** EMS Personnel's Last Name
- **D08_04** EMS Personnel's Mailing Address
- **D08_06** EMS Personnel's State
- **D08_07** EMS Personnel's Zip Code
- **E00** Common Null Values
Definition
State of personnel's mailing address

<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>Yes, via structure 2</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Required in XSD: No

Minimum Constraint: 2
Maximum Constraint: 3

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure

Field Values
A unique value; no variable list is possible.
-25 Not Applicable
-10 Not Known
-5 Not Available

Additional Information
- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from EMS Personnel's Zip Code entry (D08_07)

Uses
- Component of the EMS Personnel's Contact Information/ Address

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

Other Associated Elements
- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
- D08_04 EMS Personnel's Mailing Address
- D08_05 EMS Personnel's City of Residence
- D08_06 EMS Personnel's State
- D08_07 EMS Personnel's Zip Code
- E00 Common Null Values
**Definition**

ZIP code of personnel's mailing address

**XSD Data Type**  xs:string

**XSD Domain (Simple Type)**  DemographicZip

**Multiple Entry Configuration**  Yes, via structure 2

**Accepts Null Value**  No

**Required in XSD**  No

**Minimum Constraint**  5

**Maximum Constraint**  10

XSD Structure:

1. All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.
2. All Section D08 data elements are associated with D07_02 State Licensure Number Structure.
3. D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Can be a 5 or 9 digit Zip Code

**Uses**

- Component of the EMS Personnel's Contact Information/ Address

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D07_02</td>
<td>State/Licensure ID Number</td>
</tr>
<tr>
<td>D08_01</td>
<td>EMS Personnel's Last Name</td>
</tr>
<tr>
<td>D08_04</td>
<td>EMS Personnel's Mailing Address</td>
</tr>
<tr>
<td>D08_05</td>
<td>EMS Personnel's City of Residence</td>
</tr>
<tr>
<td>D08_06</td>
<td>EMS Personnel's State</td>
</tr>
</tbody>
</table>
Definition

Work phone number of the personnel

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

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

Field Values

A unique value; no variable list is possible.             -25  Not Applicable
-10  Not Known                                          -5  Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Personnel's Contact Information/ Address

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
<th>D07_02</th>
<th>State/Licensure ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D08_01</td>
<td>EMS Personnel's Last Name</td>
<td>E00</td>
<td>Common Null Values</td>
</tr>
</tbody>
</table>
**Definition**

Home phone number of the personnel

**XSD Data Type**  
xs:string  

**XSD Domain (Simple Type)**  
TelephoneNumber

**Multiple Entry Configuration**  
Yes, via structure 2  

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
10

**XSD Structure:**  
(1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.  
(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

**Field Values**

- A unique value; no variable list is possible.  
-25 Not Applicable

-10 Not Known  
-5 Not Available

**Additional Information**

- 10 digit telephone number

**Uses**

- Component of the EMS Personnel's Contact Information/ Address

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>EMS Agency Number</th>
<th>State/Licensure ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01_01</td>
<td>D07_02</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMS Personnel's Last Name</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>D08_01</td>
<td>E00</td>
</tr>
</tbody>
</table>
Definition

Primary email address of the personnel

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

| Multiple Entry Configuration | Yes, via structure 2 | Accepts Null Value | Yes |

| Required in XSD | No | Minimum Constraint | 2 | Maximum Constraint | 100 |

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

Field Values

- A unique value; no variable list is possible.
- -25 Not Applicable
- -10 Not Known
- -5 Not Available

Uses

- Component of the EMS Personnel's Contact Information/Address

Data Collector

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

Other Associated Elements

- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
- E00 Common Null Values
EMS PERSONNEL'S DATE OF BIRTH

**Definition**

The EMS personnel's date of birth.

---

**Data Format**  
[date]

---

**XSD Data Type**  
xs:date

**XSD Domain (Simple Type)**  
DateOfBirth

**Multiple Entry Configuration**  
Yes, via structure 2

**Accepts Null Value**  
No

**Required in XSD**  
No

**Minimum Constraint**  
1,890

**Maximum Constraint**  
2,030

---

**Field Values**

A unique value; no variable list is possible.

---

**Uses**

- Allows the EMS workforce to be described in terms of Age

---

**Data Collector**

- EMS Agency and typically only documented once and verified yearly

---

**Other Associated Elements**

- **D01_01**  
  EMS Agency Number

- **D07_02**  
  State/Licensure ID Number

- **D08_01**  
  EMS Personnel's Last Name

---

XSD Structure:  
(1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.  
(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure
**Definition**

The EMS personnel's gender

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicGender</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure 2</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
</tbody>
</table>

-25 Not Applicable

-5 Not Available

650 Male

655 Female

**Uses**

- Allows the EMS workforce to be described in terms of Gender

**Data Collector**

- EMS Agency and typically only documented once and verified yearly

**Other Associated Elements**

- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
Definition
The EMS personnel's race as defined by the OMB (US Office of Management and Budget)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicRace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure 2</td>
<td>Accepts Null Value No</td>
<td></td>
</tr>
</tbody>
</table>

Required in XSD No

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

Field Values
660 American Indian or Alaska Native
670 Black or African American
680 White
665 Asian
675 Native Hawaiian or Other Pacific Islander
685 Other Race

Uses
- Allows the EMS workforce to be described in terms of Race

Data Collector
- EMS Agency and typically only documented once and verified yearly

Other Associated Elements
D01_01 EMS Agency Number
D07_02 State/Licensure ID Number
D08_01 EMS Personnel's Last Name
Definition
The EMS personnel's ethnicity as defined by the OMB (US Office of Management and Budget)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DemographicEthnicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure 2</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure

Field Values
- 690 Hispanic or Latino
- 695 Not Hispanic or Latino

Uses
- Allows the EMS workforce to be described in terms of Ethnicity

Data Collector
- EMS Agency and typically only documented once and verified yearly

Other Associated Elements
- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_01 EMS Personnel's Last Name
STATE EMS CERTIFICATION LICENSURE LEVEL

Data Format  [combo] single-choice

Definition

The personnel's State EMS Certification level

XSD Data Type  xs:string/integer  XSD Domain (Simple Type)  DemographicStateCertificationLicensureLevels
Multiple Entry Configuration  Yes, via structure 2 and 3  Accepts Null Value  No
Required in XSD  No  Minimum Constraint  2  Maximum Constraint  30

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure

Field Values

6090  EMT-Basic
6110  EMT-Paramedic
6112  Physician
6100  EMT-Intermediate
6111  Nurse
6120  First Responder

- Text as defined in D04_01

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01_01</td>
<td>EMS Agency Number</td>
</tr>
<tr>
<td>D07_02</td>
<td>State/Licensure ID Number</td>
</tr>
<tr>
<td>D08_01</td>
<td>EMS Personnel's Last Name</td>
</tr>
<tr>
<td>D08_16</td>
<td>National Registry Credentialed</td>
</tr>
<tr>
<td>D08_17</td>
<td>State EMS Current Certification Date</td>
</tr>
<tr>
<td>D08_18</td>
<td>Initial State Certification Date</td>
</tr>
</tbody>
</table>
NATIONAL REGISTRY CREDENTIALED

**Data Format**  [combo] single-choice

**Definition**
Indication of National Registry Credential for the level of Certification/Licensure in D08_15

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>YesNoValues</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multiple Entry Configuration</strong></td>
<td>Yes, via structure 2 and 3</td>
<td><strong>Accepts Null Value</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Required in XSD**  No

XSD Structure:
(1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure.
(2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure.
(3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure

**Field Values**
-25  Not Applicable  
-10  Not Known  
-5   Not Available  
  0   No  
  1   Yes

**Additional Information**
- Multiple entry configuration to allow multiple levels for each personnel over time

**Uses**
- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Provides description of EMS agencies based on credentialing levels recognized by the state

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
<th>D07_02</th>
<th>State/Licensure ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D08_01</td>
<td>EMS Personnel's Last Name</td>
<td>D08_15</td>
<td>State EMS Certification Licensure Level</td>
</tr>
<tr>
<td>D08_17</td>
<td>State EMS Current Certification Date</td>
<td>D08_18</td>
<td>Initial State Certification Date</td>
</tr>
<tr>
<td>E00</td>
<td>Common Null Values</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**STATE EMS CURRENT CERTIFICATION DATE**

**Data Format** [date/time]

**Definition**

The date of the personnel's current certification.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:date</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Date</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure 2 and 3</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
</tbody>
</table>

**Required in XSD** No

**Minimum Constraint** 1,920

**Maximum Constraint** 2,030

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure.

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [MMDDYYYY]
- Multiple entry configuration to allow multiple levels for each personnel over time

**Uses**

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Allows data to some descriptive reporting of EMS Personnel longevity

**Data Collector**

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

**Other Associated Elements**

- **D01_01** EMS Agency Number
- **D07_02** State/Licensure ID Number
- **D08_01** EMS Personnel's Last Name
- **D08_15** State EMS Certification Licensure Level
- **D08_16** National Registry Credentialed
- **D08_18** Initial State Certification Date

---

**Section D08 General Personnel Information**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
INITIAL STATE CERTIFICATION DATE

**Data Format** [date/time]

**Definition**

The certification date of personnel's current State certification

**XSD Data Type** xs:date

**XSD Domain (Simple Type)** Date

**Multiple Entry Configuration** Yes, via structure 2 and 3

**Accepts Null Value** No

**Required in XSD** No

**Minimum Constraint** 1,920

**Maximum Constraint** 2,030

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [MMDDYYYY]
- Multiple entry configuration to allow multiple levels for each personnel over time

**Uses**

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Allows data to some descriptive reporting of EMS Personnel longevity

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>D01_01</th>
<th>EMS Agency Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D02_01</td>
<td>EMS Personnel's Last Name</td>
</tr>
<tr>
<td>D03_16</td>
<td>National Registry Credentialed</td>
</tr>
<tr>
<td>D07_02</td>
<td>State/Licensure ID Number</td>
</tr>
<tr>
<td>D08_15</td>
<td>State EMS Certification Licensure Level</td>
</tr>
<tr>
<td>D08_17</td>
<td>State EMS Current Certification Date</td>
</tr>
</tbody>
</table>

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure.
**Definition**

The personnel's total length of active EMS service at any level in years. Please do not include time periods not working in EMS.

**Data Format** [number]

**XSD Data Type** xs:positiveInteger   **XSD Domain (Simple Type)** TotalService

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

**Required in XSD** No  **Minimum Constraint** 1  **Maximum Constraint** 100

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_19, and D08_20 are all members of D08_19_0 Length of Service Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Document, in years, the number of years the individual has worked in an EMS related capacity

**Uses**

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Allows data to some descriptive reporting of EMS Personnel longevity

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01_01</td>
<td>EMS Agency Number</td>
</tr>
<tr>
<td>D07_02</td>
<td>State/Licensure ID Number</td>
</tr>
<tr>
<td>D08_01</td>
<td>EMS Personnel's Last Name</td>
</tr>
<tr>
<td>D08_20</td>
<td>Date Length of Service Documented</td>
</tr>
</tbody>
</table>
**Definition**

The date which the length of EMS service was documented

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:date</th>
<th>XSD Domain (Simple Type)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure 2 and 3</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1,920</td>
</tr>
</tbody>
</table>

XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_19, and D08_20 are all members of D08_19_0 Length of Service Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [MMDDYYYY]

**Uses**

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Allows data to some descriptive reporting of EMS Personnel longevity

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D07_02 State/Licensure ID Number
- D08_19 Total Length of Service
Definition
The unique manufacturer's serial number associated with a medical device

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DeviceSerialNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</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>50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure: All data elements in Section D09 are associated with D09_01 Device Structure

Field Values
A unique value; no variable list is possible.

Additional Information
- Multiple entry configuration to allow multiple Medical Devices to be entered (D09_01 through D09_05)

Uses
- Allows agencies to track medical devices and report on the specific usage of each device

Data Collector
- EMS Agency and typically only documented once then verified and updated yearly or when changed. It could be provided by the Medical Device during electronic transmission of data

Other Associated Elements
- D01_01 EMS Agency Number
- D09_02 Device Name or ID
- D09_03 Device Manufacturer
- D09_04 Model Number
- D09_05 Device Purchase Date
**DEVELOP NAME OR ID**

**Data Format** [text]

**Definition**

The local number or configurable ID/Name of the medical device

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

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration to allow multiple Medical Devices to be entered (D09_01 through D09_05)

**Uses**

- Allows agencies to track medical devices and report on the specific usage of each device

**Data Collector**

- EMS Agency and typically only documented once then verified and updated yearly or when changed. It could be provided by the Medical Device during electronic transmission of data

**Other Associated Elements**

- D01_01 EMS Agency Number
- D09_04 Model Number
- D09_05 Device Purchase Date
**Definition**

The manufacturer of the medical device

**Data Format** [text]

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

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

**Required in XSD** No  **Minimum Constraint** 2  **Maximum Constraint** 50

XSD Structure: All data elements in Section D09 are associated with D09_01 Device Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration to allow multiple Medical Devices to be entered (D09_01 through D09_05)

**Uses**

- Allows agencies to track medical devices and report on types of medical devices used by the agency

**Data Collector**

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>Device Structure</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01_01</td>
<td>EMS Agency Number</td>
</tr>
<tr>
<td>D09_01</td>
<td>Device Serial Number</td>
</tr>
<tr>
<td>D09_02</td>
<td>Device Name or ID</td>
</tr>
<tr>
<td>D09_04</td>
<td>Model Number</td>
</tr>
<tr>
<td>D09_05</td>
<td>Device Purchase Date</td>
</tr>
</tbody>
</table>
**Definition**

The specific manufacturer's model number associated with medical device

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

**Requirement:** No

**Minimum Constraint:** 2

**Maximum Constraint:** 50

**XSD Structure:** All data elements in Section D09 are associated with D09_01 Device Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration to allow multiple Medical Devices to be entered (D09_01 through D09_05)

**Uses**

- Allows agencies to track medical devices and report on types of medical devices used by the agency

**Data Collector**

- EMS Agency and typically only documented once then verified and updated yearly or when changed. It could be provided by the Medical Device during electronic transmission of data

**Other Associated Elements**

- D01_01 EMS Agency Number
- D09_01 Device Serial Number
- D09_02 Device Name or ID
- D09_03 Device Manufacturer
- D09_05 Device Purchase Date
**Device Purchase Date**

**Definition**

The date the device was placed in service by the EMS agency.

**Data Format** [date/time]

---

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [MMDDYYYY]
- Multiple entry configuration to allow multiple Medical Devices to be entered (D09_01 through D09_05)

**Uses**

- Allows agencies to track medical devices and report on the age and life expectancy of each device

**Data Collector**

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

**Other Associated Elements**

- D01_01 EMS Agency Number
- D09_01 Device Serial Number
- D09_02 Device Name or ID
- D09_03 Device Manufacturer
- D09_04 Model Number

---

**XSD Data Type** xs:date  
**XSD Domain (Simple Type)** Date
**Multiple Entry Configuration** Yes, via structure
**Accepts Null Value** No
**Required in XSD** No
**Minimum Constraint** 1,920
**Maximum Constraint** 2,030

XSD Structure: All data elements in Section D09 are associated with D09_01 Device Structure
Common EMS Values
**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**

**-5 Not Available**

**Additional Information**

- For any collection of data to be of value and reliably represent what was intended, a strong commitment must be made to ensure the correct documentation of incomplete data. The described data integrity method must be followed with the NHTSA dataset. For data elements being electronically stored in a database or moved from one database to another using XML, the indicated values should be applied when a data element is empty or contains a null value.

- Not Applicable: (Code -25) = At the time of an EMS patient care report documentation, information requested was "Not Applicable" to the EMS or patient event. This indicates that it is unnecessary to document mechanism or injury related information on a patient who was not traumatized.

- Not Available: (Code -5) = At the time of an EMS patient care report documentation, information was "Not Available" to EMS personnel. This documents that needed information did exist but the EMS personnel was unsuccessful in their attempt to obtain it.

- Not Known: (Code -10) = At the time of an EMS patient care report documentation, information was "Not Known" to patient, family, and EMS personnel. This documents that there was an attempt to obtain information but it was unknown by all parties involved.

- Not Recorded: (Code -20) = If an EMS documentation or information system has an empty field or nothing is recorded in any data element of the NHTSA dataset, code "-20" should be inserted into the database and/or XML for that data element indicating that the EMS Patient Care Report did not have a value for that specific data element when the EMS event or patient encounter was documented.

- Not Reporting: (Code -15) = If an EMS documentation or information system is not using any of the "National" data elements of the NHTSA dataset, code "-15" should be inserted into the database and/or XML for that data element.
**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.

**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
**SOFTWARE CREATOR**

**Data Format**  [text]

**National Element**

**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>SoftwareCreatedBy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>30</td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E01_01 Patient Care Report Number
**SOFTWARE NAME**

**Data Format** [text]  

**National Element**

**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>SoftwareName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>3</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

A unique value; no variable list is possible.

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E01_01 Patient Care Report Number
**Software Version**

**Data Format** [text]

**National Element**

**Definition**

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

**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
The state-assigned provider number of the responding agency

**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
**Definition**

The incident number assigned by the 911 Dispatch System

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>IncidentNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>15</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-5 Not Available
-10 Not Known

- Relevant Value for Data Element & Patient Care

**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
**Definition**

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

**XSD Data Type**  
xs:string

**XSD Domain (Simple Type)**  
EMSUnitResponseNumber

**Multiple Entry Configuration**  
No

**Accepts Null Value**  
Yes

**Required in XSD**  
No

<table>
<thead>
<tr>
<th>Minimum Constraint</th>
<th>Maximum Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable  
-5 Not Available  
-10 Not Known  
● Relevant Value for Data Element & Patient Care

**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 22 Response Number
Definition
The type of service or category of service requested of the EMS service responding for this specific EMS incident.

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

| Required in XSD | Yes |

Field Values
- 30 911 Response (Scene)
- 35 Intercept
- 40 Interfacility Transfer
- 45 Medical Transport
- 50 Mutual Aid
- 55 Standby

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

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

Other Associated Elements
- E01_01 Patient Care Report Number

References in NHTSA Version 1
- Essential Element 20 Service Type
Definition

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

<table>
<thead>
<tr>
<th>Field Values</th>
<th>E02_05 PRIMARY ROLE OF THE UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Data Type</td>
<td>xs:integer</td>
</tr>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>PrimaryRoleOfTheUnit</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A component of the EMS Medical Record: Patient Care Report</td>
</tr>
<tr>
<td>Allows data to be sorted by the role of the responder</td>
</tr>
<tr>
<td>Provides descriptive data on EMS call volume and service provided</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data Collector</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS agency or may be electronically provided through the 911 or dispatch center</td>
<td></td>
</tr>
</tbody>
</table>

| Other Associated Elements | E01_01 Patient Care Report Number |
TYPE OF DISPATCH DELAY

Definition

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

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
</tr>
<tr>
<td>-10 Not Known</td>
</tr>
<tr>
<td>80 Caller (Uncooperative)</td>
</tr>
<tr>
<td>90 Language Barrier</td>
</tr>
<tr>
<td>100 No Units Available</td>
</tr>
<tr>
<td>110 Other</td>
</tr>
<tr>
<td>120 Technical Failure (Computer, Phone etc.)</td>
</tr>
<tr>
<td>-15 Not Reporting</td>
</tr>
<tr>
<td>-5 Not Available</td>
</tr>
<tr>
<td>85 High Call Volume</td>
</tr>
<tr>
<td>95 Location (Inability to Obtain)</td>
</tr>
<tr>
<td>105 None</td>
</tr>
<tr>
<td>115 Scene Safety (Not Secure for EMS)</td>
</tr>
</tbody>
</table>

Uses

- Allows data to describe the status of Dispatch issues

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain</td>
<td>Simple Type</td>
</tr>
<tr>
<td>TypeOfResponseDelay</td>
<td></td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-10 Not Known
125 Crowd
135 Distance
145 HazMat
155 Other
165 Staff Delay
175 Vehicle Crash
185 Weather

-15 Not Reporting
-5 Not Available
130 Directions
140 Diversion
150 None
160 Safety
170 Traffic
180 Vehicle Failure

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

E00 Common Null Values
E01_01 Patient Care Report Number

**References in NHTSA Version 1**

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

**Data Format** [combo] multiple-choice

**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>TypeOfSceneDelay</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
</tbody>
</table>

-25 Not Applicable

-10 Not Known

190 Crowd

200 Distance

210 Extrication >20 min.

220 Language Barrier

230 Other

240 Staff Delay

250 Vehicle Crash

260 Weather

-15 Not Reporting

-5 Not Available

195 Directions

205 Diversion

215 HazMat

225 None

235 Safety

245 Traffic

255 Vehicle Failure

**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
**Definition**

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

**Field Values**

<table>
<thead>
<tr>
<th>Code</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>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>265</td>
<td>Crowd</td>
</tr>
<tr>
<td>270</td>
<td>Directions</td>
</tr>
<tr>
<td>275</td>
<td>Distance</td>
</tr>
<tr>
<td>280</td>
<td>Diversion</td>
</tr>
<tr>
<td>285</td>
<td>HazMat</td>
</tr>
<tr>
<td>290</td>
<td>None</td>
</tr>
<tr>
<td>295</td>
<td>Other</td>
</tr>
<tr>
<td>300</td>
<td>Safety</td>
</tr>
<tr>
<td>305</td>
<td>Staff Delay</td>
</tr>
<tr>
<td>310</td>
<td>Traffic</td>
</tr>
<tr>
<td>315</td>
<td>Vehicle Crash</td>
</tr>
<tr>
<td>320</td>
<td>Vehicle Failure</td>
</tr>
<tr>
<td>325</td>
<td>Weather</td>
</tr>
</tbody>
</table>

**Uses**

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

**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 56  Factors Affecting EMS Delivery of Care
**TYPE OF TURN-AROUND DELAY**

**Data Format** [combo] multiple-choice

**National Element**

**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>TypeOfTurnAroundDelay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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
-10 Not Known
330 Clean-up
340 Documentation
350 Equipment Failure
360 None
370 Staff Delay
-15 Not Reporting
-5 Not Available
335 Decontamination
345 ED Overcrowding
355 Equipment Replenishment
365 Other
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
**Definition**

The unique physical vehicle number of the responding unit.

---

**Field Values**

-25 Not Applicable

-5 Not Available

-10 Not Known

-10 Relevant Value for Data Element & Patient Care

---

**Additional Information**

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

---

**Uses**

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

---

**Data Collector**

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

---

**Other Associated Elements**

E00 Common Null Values

E01_01 Patient Care Report Number

---

**References in NHTSA Version 1**

Essential Element 24 Agency/Unit Number
Definition
The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

Field Values
- Relevant Value for Data Element & Patient Care

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

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

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

Other Associated Elements
- E01_01 Patient Care Report Number

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>EMSUnitCallSign</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>15</td>
</tr>
</tbody>
</table>
**Definition**

The station (or hospital) name representing the geographic location of the vehicle at the time of dispatch.

**Field Values**

-25 Not Applicable  
-10 Not Known  
-5 Not Available  

- Relevant Value for Data Element & Patient Care

**Additional Information**

- List box could be created from Station Name (D05_01), Hospitals Served (D04_11), and Other Destinations (D04_13)

**Uses**

- 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 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

**References to Other Databases**

- NFIRS 5.0 EMS Module; Title: Station Number; The Fire Department Station number of the first arriving unit

---

**Section E02 Unit/Agency Information**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

Geographic zone representing the location of the responding vehicle at the time of dispatch.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>ZoneNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>Yes</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>30</td>
</tr>
</tbody>
</table>

**Field Values**

- **-25** Not Applicable
- **-5** Not Available
- **-10** Not Known
  - Relevant Value for Data Element & Patient Care

**Additional Information**

- List box created from Zones (D04_03)

**Uses**

- 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 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
**Definition**

The GPS coordinates associated with the EMS unit at the time of dispatch.

**Field Values**

- Relevant Value for Data Element & Patient Care

**Uses**

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

**Other Associated Elements**

- E01_01 Patient Care Report Number
Definition
The mileage (odometer reading) of the vehicle at the beginning of the call (when the wheels begin moving)

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
ON-SCENE ODOMETER READING OF RESPONDING VEHICLE

**Data Format** [number]

**Definition**

The mileage (odometer reading) of the vehicle when it arrives at 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>OdometerReading</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
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</tr>
<tr>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>1,000,000</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
Definition
The mileage (odometer reading) of the vehicle when it arrives at the patient's destination

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

Section E02  Unit/ Agency Information
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition
The ending mileage (odometer reading) of the vehicle (at time back in service)

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
**Definition**

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

**Field Values**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

E01_01  Patient Care Report Number

**References in NHTSA Version 1**

Essential Element 19  Lights and Sirens to Scene
Unit/ Call Information
**Definition**

The complaint dispatch reported to the responding unit.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ComplaintReportedByDispatch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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  
-10 Not Known  
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  

-15 Not Reporting  
-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)

**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 Element  
- Chief Complaint Types
**Definition**

Indication of whether EMD was performed for this EMS event.

**Field Values**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
EMD CARD NUMBER

Data Format [text]

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

Field Values
-25 Not Applicable
-5 Not Available
-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

XSD Data Type xs:string
XSD Domain (Simple Type) EMDCardNumber
Multiple Entry Configuration No
Accepts Null Value Yes
Required in XSD No
Minimum Constraint 1
Maximum Constraint 10
Unit/ Personnel Information
Definition
The State Certification/Licensure ID number assigned to the crew member

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>CrewMemberID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
</tbody>
</table>

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

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known

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
- E04_02 Crew Member Role
- E04_03 Crew Member Level
- E01_01 Patient Care Report Number

References in NHTSA Version 1
- Essential Element 26 Crew Member One Number
- Essential Element 27 Crew Member Two Number
- Desirable Element 28 Crew Member Three Number
CREW MEMBER ROLE

Data Format  [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.

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
</tr>
<tr>
<td>-5 Not Available</td>
</tr>
<tr>
<td>585 Primary Patient Caregiver</td>
</tr>
<tr>
<td>595 Third Patient Caregiver</td>
</tr>
</tbody>
</table>

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

<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>
<tr>
<td>E04_01</td>
<td>Crew Member ID</td>
</tr>
<tr>
<td>E04_03</td>
<td>Crew Member Level</td>
</tr>
</tbody>
</table>
**Definition**

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
640 Other Healthcare Professional  
6090 EMT-Basic  
6110 EMT-Paramedic  
6112 Physician  
6111 Nurse  
6100 EMT-Intermediate  
645 Other Non-Healthcare Professional  

**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  
- 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
**INCIDENT OR ONSET DATE/TIME**

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

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

**Data Collector**
- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency.

**Other Associated Elements**
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
- Desirable Element 06 Onset Date
- Desirable Element 07 Onset Time

**References to Other Databases**
- NFIRS 5.0 Basic Module 1; Title: Incident Date; Date Field defined as YYYYMMDD or blank.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</td>
</tr>
</tbody>
</table>
**Definition**

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

**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
**DISPATCH NOTIFIED DATE/TIME**

**Data Format** [date/time]

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</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**
- Provides information on how EMS requests are progressing through the PSAP and Dispatch Centers
- Used in the Quality Management evaluation of the PSAP and Dispatch Centers

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

**Other Associated Elements**
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
Essential Element 10 Time Dispatch Notified
**UNIT NOTIFIED BY DISPATCH DATE/TIME**

**Definition**

The date the responding unit was notified by dispatch

**Data Format** [date/time]

**National Element**

**Definition**

The date the responding unit was notified by dispatch

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DateTime</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1,990</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>2,030</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
- **Not Nullable.** A unique value must be provided to create a unique record ID within a database

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

- Essential Element 11 Date Unit Notified
- Essential Element 12 Time Unit Notified
UNIT EN ROUTE DATE/ TIME

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

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

XSD Data Type xs:dateTime
XSD Domain (Simple Type) DateTime
Accepts Null Value Yes, but null value is blank or empty

Multiple Entry Configuration No
Required in XSD Yes
Minimum Constraint 1,990
Maximum Constraint 2,030
**UNIT ARRIVED ON SCENE DATE/TIME**

**Data Format**  [date/time]

**National Element**

**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</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  14  Time of Arrival at Scene
**Definition**

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

**XSD Data Type**  
xs:date

**XSD Domain (Simple Type)**  
DateTime

**Multiple Entry Configuration**  
No

**Accepts Null Value**  
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**

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

**Data Collector**

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

**Other Associated Elements**

- E01_01  
  Patient Care Report Number

**References in NHTSA Version 1**

- Essential Element 15  
  Time of Arrival at Patient

**References to Other Databases**

- NFIRS 5.0  
  EMS Module; Title: Date/Time Arrived; The date and time fire fighters arrived at the patient.
TRANSFER OF PATIENT CARE DATE/ TIME

Data Format  [date/time]

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

<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 Value</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></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</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
- Important for Quality Management when the patient is cared for by more than one EMS agency
- Provides documentation of how the patient progresses through the EMS agency

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

Other Associated Elements
- E01_01  Patient Care Report Number

References to Other Databases
- NFIRS 5.0  EMS Module; Title: Date/Time Transfer; The date and time fire fighters transferred the care of the patient to another EMS agency.
UNIT LEFT SCENE DATE/TIME

Data Format [date/time]

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 Value</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>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</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
Definition

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

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
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)

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
**UNIT CANCELLED DATE/TIME**

**Data Format** [date/time]

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DateTime</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1,990</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>2,030</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**
- Allows for reports to be generated better evaluating EMS response and usage patterns

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

**Other Associated Elements**
- **E01_01** Patient Care Report Number
**UNIT BACK AT HOME LOCATION DATE/TIME**

**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.

**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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</td>
</tr>
</tbody>
</table>

---

**Section E05**  **Times**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Patient
**Definition**

The patient's last (family) name

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>LastName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>20</td>
<td>Accepts Null Value</td>
<td>Yes</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
-5 Not Available
-10 Not Known
-10 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
- E06_02 First Name
- E06_03 Middle Initial/Name

**References in NHTSA Version 1**

- Essential Element 32 Patient Name
**Definition**
The patient's first (given) name

---

### XSD Data Type
**xs:string**

### XSD Domain (Simple Type)
**FirstName**

### Multiple Entry Configuration
No

### Accepts Null Value
Yes

### Required in XSD
No

**Minimum Constraint** 1

**Maximum Constraint** 20

---

### Field Values
-25 Not Applicable

-10 Not Known

-5 Not Available

- Not Available

**-10 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
- **E06_01** Last Name
- **E06_02** Patient Care Report Number
- **E06_03** Middle Initial/Name

---

### References in NHTSA Version 1
- Essential Element 32 Patient Name
Definition
The patient's middle name, if any

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known
● 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
E06_01 Last Name
E06_02 First Name

References in NHTSA Version 1
Essential Element 32 Patient Name
**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 Value**  
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
-5 Not Available
-10 Not Known

**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
**Definition**

The patient's home city or township or residence

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>

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  
-10 Not Known  
-5 Not Available  
-10 Not Known

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values  
- E01_01 Patient Care Report Number  
- E06_01 Last Name  
- E06_04 Patient's Home Address  
- E06_06 Patient's Home County  
- E06_07 Patient’s Home State  
- E06_08 Patient's Home Zip Code

**References in NHTSA Version 1**

Desirable Element 34 City of Residence

---

Section E06 Patient  
2006 NHTSA Uniform Prehospital Dataset V.2.2.1
**Definition**

The patient's home county or parish or residence

**Field Values**

<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 Value</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>20</td>
</tr>
</tbody>
</table>

-25 Not Applicable
-5 Not Available
-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
- E06_04 Patient's Home Address
- E06_07 Patient's Home State

**References in NHTSA Version 1**

Desirable Element 35  County of Residence
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 Value**  
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
- 5 Not Available
- 10 Not Known

**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_07 Patient’s Home State
- E06_08 Patient’s Home Zip Code

**References in NHTSA Version 1**

- Desirable Element 36 State of Residence
**Definition**

The patient's home ZIP code of residence

---

### XSD Data Type

*xs:string*

### XSD Domain (Simple Type)

*Zip*

#### Field Values

<table>
<thead>
<tr>
<th>Code</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>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

*● Relevant Value for Data Element & Patient Care*

### Additional Information

- Can be stored as a 5 or 9 digit code

### Uses

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

### Data Collector

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

### Other Associated Elements

- **E00**: Common Null Values
- **E01_01**: Patient Care Report Number
- **E06_01**: Last Name
- **E06_04**: Patient's Home Address
- **E06_05**: Patient's Home City
- **E06_07**: Patient's Home State
- **E06_06**: Patient's Home County
- **E06_08**: Patient's Home ZIP Code

---

**References in NHTSA Version 1**

- Essential Element 37: Zip Code of Residence
PATIENT’S HOME COUNTRY

Data Format [combo] single-choice

Definition
The patient’s country of citizenship

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>Accepts Null Value</td>
<td>Maximum Constraint</td>
<td>20</td>
</tr>
</tbody>
</table>

Field Values
- 25 Not Applicable
- 5 Not Available
- 10 Not Known

Additional Information
- Stored as a FIPS code

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

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

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number
- E06_01 Last Name
**SOCIAL SECURITY NUMBER**

**Data Format** [number]

**Definition**

The patient's social security number

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>SocialSecurityNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>9</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-5 Not Available
-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
| E01_01 | Patient Care Report Number
| E06_01 | Last Name

**References in NHTSA Version 1**

Desirable Element 39 Social Security Number
Definition
The patient's gender

Field Values
-25 Not Applicable
-15 Not Reporting
-10 Not Known
-5 Not Available
650 Male
655 Female

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

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

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

References in NHTSA Version 1
- Essential Element 42 Gender

References to Other Databases
- NFIRS 5.0 EMS Module; Title: Gender; Pick-List: Male = 1, Female = 2
RACE

Data Format [combo] single-choice

National Element

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>Race</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
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<td>Accepts Null Value</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
-10 Not Known
660 American Indian or Alaska Native
670 Black or African American
680 White

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

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
Definition

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>Ethnicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-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
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Age</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>120</td>
</tr>
</tbody>
</table>

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.
Definition

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

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

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
-10 Not Known  
-5 Not Available
700 Hours  
705 Days
710 Months  
715 Years

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values  
E01_01 Patient Care Report Number
E06_14 Age

References in NHTSA Version 1

Desirable Element 41 Age
**DATE OF BIRTH**

**Data Format** [date]

**Definition**

The patient’s date of birth

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:date</th>
<th>XSD Domain (Simple Type)</th>
<th>DateOfBirth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Config</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1,890</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</td>
</tr>
</tbody>
</table>

**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.
**Definition**

The patient's home or primary telephone number

**Field Values**

- **xs:string**

- **Accepts Null Value**: Yes

- **Minimum Constraint**: 2

- **Maximum Constraint**: 10

**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
STATE ISSUING DRIVER'S LICENSE

Data Format [combo] single-choice

Definition
The state that issued the driver's license

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>State</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>3</td>
</tr>
</tbody>
</table>

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

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available

- Relevant Value for Data Element & Patient Care

Additional Information
- 2 digit FIPS Code

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

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

Other Associated Elements
E00 Common Null Values
E06_01 Last Name
E01_01 Patient Care Report Number
E06_19 Driver's License Number
**Definition**

The patient's driver's license number

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DriversLicenseNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XSD Structure: E06_18 and E06_19 are members of the E06_19_0 Patient's Drivers License Structure</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-5 Not Available

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

**Uses**

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

**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_18</td>
<td>State Issuing Driver's License</td>
</tr>
</tbody>
</table>

| E01_01 | Patient Care Report Number |
Billing
Primary Method of Payment

**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

<table>
<thead>
<tr>
<th>Multiple Entry Configuration</th>
<th>Required in XSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

-25  Not Applicable
-5   Not Available
725  Medicaid
735  Not Billed (for any reason)
745  Self Pay

-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
**Definition**

Indication of whether a certificate of medical necessity is present

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

| Required in XSD | No |

**Field Values**

-25 Not Applicable
-5 Not Available
1 Yes

**Uses**

- Key component of an EMS Medical Record for billing of some patient transports

**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
**Definition**

The ID number of the patient's insurance company

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>Insurance Company ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
-10 Not Known  
-● Relevant Value for Data Element & Patient Care

**Additional Information**

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

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

<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>E07_05</td>
<td>Insurance Company Address</td>
</tr>
<tr>
<td>E07_07</td>
<td>Insurance Company State</td>
</tr>
<tr>
<td>E07_09</td>
<td>Insurance Group ID/Name</td>
</tr>
<tr>
<td>E07_11</td>
<td>Last Name of the Insured</td>
</tr>
<tr>
<td>E07_13</td>
<td>Middle Initial/Name of the Insured</td>
</tr>
<tr>
<td>E07_01</td>
<td>Patient Care Report Number</td>
</tr>
<tr>
<td>E07_04</td>
<td>Insurance Company Billing Priority</td>
</tr>
<tr>
<td>E07_06</td>
<td>Insurance Company City</td>
</tr>
<tr>
<td>E07_08</td>
<td>Insurance Company Zip Code</td>
</tr>
<tr>
<td>E07_10</td>
<td>Insurance Policy ID Number</td>
</tr>
<tr>
<td>E07_12</td>
<td>First Name of the Insured</td>
</tr>
<tr>
<td>E07_14</td>
<td>Relationship to the Insured</td>
</tr>
</tbody>
</table>
**Definition**

The billing priority or order for the insurance company.

---

**XSD Data Type**  
`xs:integer`  
**XSD Domain (Simple Type)** `InsuranceCompanyBillingPriority`

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

**Required in XSD**  
No

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
760 Secondary  
755 Primary  
765 Other

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values  
- E01_01 Patient Care Report Number  
- E07_03 Insurance Company ID/Name  
- E07_05 Insurance Company Address  
- E07_06 Insurance Company City  
- E07_07 Insurance Company State  
- E07_08 Insurance Company Zip Code  
- E07_09 Insurance Group ID/Name  
- E07_10 Insurance Policy ID Number  
- E07_11 Last Name of the Insured  
- E07_12 First Name of the Insured  
- E07_13 Middle Initial/Name of the Insured  
- E07_14 Relationship to the Insured
**Definition**

The mailing address of the Insurance Company

---

**Data Format**  
[text]

---

**XSD Data Type**  
-xs:string

**XSD Domain (Simple Type)**  
StreetAddress

---

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Value**  
Yes

---

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
30

---

XSD Structure:

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

---

**Field Values**

-25 Not Applicable

-10 Not Known

-5 Not Available

---

**Additional Information**

- E07_05, E07_06, E07_07 and E07_08 are members of the Insurance Address group

---

**Uses**

- Key component of an EMS Medical Record for billing

---

**Data Collector**

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

---

**Other Associated Elements**

- **E00** Common Null Values

- **E06_01** Last Name

- **E07_04** Insurance Company Billing Priority

- **E07_07** Insurance Company State

- **E07_09** Insurance Group ID/Name

- **E07_11** Last Name of the Insured

- **E07_13** Middle Initial/Name of the Insured

---

- **E01_01** Patient Care Report Number

- **E07_03** Insurance Company ID/Name

- **E07_06** Insurance Company City

- **E07_08** Insurance Company Zip Code

- **E07_10** Insurance Policy ID Number

- **E07_12** First Name of the Insured

- **E07_14** Relationship to the Insured
**Definition**

The insurance companies city or township

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

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

**Field Values**

-25 Not Applicable  -10 Not Known
-5 Not Available  

- Relevant Value for Data Element & Patient Care

**Additional Information**

- 5 digit FIPS Code
- Could be filled in from Insurance Company Zip Code (E07_08)
- E07_05, E07_06, E07_07 and E07_08 are members of the Insurance Address group

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

<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>E06_01</td>
<td>Last Name</td>
<td>E07_03</td>
<td>Insurance Company ID/Name</td>
</tr>
<tr>
<td>E07_04</td>
<td>Insurance Company Billing Priority</td>
<td>E07_05</td>
<td>Insurance Company Address</td>
</tr>
<tr>
<td>E07_07</td>
<td>Insurance Company State</td>
<td>E07_08</td>
<td>Insurance Company Zip Code</td>
</tr>
<tr>
<td>E07_09</td>
<td>Insurance Group ID/Name</td>
<td>E07_10</td>
<td>Insurance Policy ID Number</td>
</tr>
<tr>
<td>E07_11</td>
<td>Last Name of the Insured</td>
<td>E07_12</td>
<td>First Name of the Insured</td>
</tr>
<tr>
<td>E07_13</td>
<td>Middle Initial/Name of the Insured</td>
<td>E07_14</td>
<td>Relationship to the Insured</td>
</tr>
</tbody>
</table>
**INSURANCE COMPANY STATE**

**Data Format** [combo] single-choice

**Definition**

The insurance companies state, territory, or province, or District of Columbia.

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

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

**Required in XSD** No  
**Minimum Constraint** 2  
**Maximum Constraint** 3

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

**Field Values**

-25 Not Applicable  
-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 Insurance Company Zip Code (E07_08)
- E07_05, E07_06, E07_07 and E07_08 are members of the Insurance Address group

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

- **E00** Common Null Values
- **E06_01** Last Name
- **E07_04** Insurance Company Billing Priority
- **E07_06** Insurance Company City
- **E07_09** Insurance Group ID/Name
- **E07_11** Last Name of the Insured
- **E07_13** Middle Initial/Name of the Insured

- **E01_01** Patient Care Report Number
- **E07_03** Insurance Company ID/Name
- **E07_05** Insurance Company Address
- **E07_08** Insurance Company Zip Code
- **E07_10** Insurance Policy ID Number
- **E07_12** First Name of the Insured
- **E07_14** Relationship to the Insured
**Definition**

The insurance companies Zip Code

**XSD Data Type**  
xs:string

**XSD Domain (Simple Type)**  
Zip

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
10

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
-10 Not Known

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Can be a 5 or 9 digit Zip Code
- E07_05, E07_06, E07_07 and E07_08 are members of the Insurance Address group

**Uses**

- Key component of an EMS Medical Record for 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
- E06_01 Last Name
- E07_03 Insurance Company ID/Name
- E07_04 Insurance Company Billing Priority
- E07_05 Insurance Company Address
- E07_06 Insurance Company City
- E07_07 Insurance Company State
- E07_09 Insurance Group ID/Name
- E07_10 Insurance Policy ID Number
- E07_11 Last Name of the Insured
- E07_12 First Name of the Insured
- E07_13 Middle Initial/Name of the Insured
- E07_14 Relationship to the Insured
**INSURANCE GROUP ID/NAME**

**Definition**
The ID number or name of the patient's insurance group

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

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

**Required in XSD** No

**Minimum Constraint** 2
**Maximum Constraint** 30

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

**Field Values**
-25 Not Applicable
-10 Not Known
-5 Not Available

- Relevant Value for Data Element & Patient Care

**Uses**
- Key component of an EMS Medical Record for billing

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

**Other Associated Elements**
- E0 Common Null Values
  - E01_01 Patient Care Report Number
- E06_01 Last Name
  - E07_03 Insurance Company ID/Name
- E07_04 Insurance Company Billing Priority
  - E07_05 Insurance Company Address
- E07_06 Insurance Company City
  - E07_07 Insurance Company State
- E07_08 Insurance Company Zip Code
  - E07_10 Insurance Policy ID Number
- E07_11 Last Name of the Insured
  - E07_12 First Name of the Insured
- E07_13 Middle Initial/Name of the Insured
  - E07_14 Relationship to the Insured
# INSURANCE POLICY ID NUMBER

**Definition**

The ID number of the patient’s insurance policy

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>InsurancePolicyIDNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Maximum Constraint</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
</tbody>
</table>

- Relevant Value for Data Element & Patient Care

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E07_03 Insurance Company ID/Name
- E07_04 Insurance Company Billing Priority
- E07_05 Insurance Company Address
- E07_06 Insurance Company City
- E07_07 Insurance Company State
- E07_08 Insurance Company Zip Code
- E07_09 Insurance Group ID/Name
- E07_11 Last Name of the Insured
- E07_12 First Name of the Insured
- E07_13 Middle Initial/Name of the Insured
- E07_14 Relationship to the Insured
**Definition**

The last (family) name of the person insured by the insurance company.

**XSD Data Type**  
xs:string

**XSD Domain (Simple Type)**  
LastName

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
20

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

**Field Values**

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

**Additional Information**

- E07_11, E07_12, and E07_13 are members of the Name of Insured group

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values  
- E01_01 Patient Care Report Number  
- E06_01 Last Name  
- E07_03 Insurance Company ID/Name  
- E07_04 Insurance Company Billing Priority  
- E07_05 Insurance Company Address  
- E07_06 Insurance Company City  
- E07_07 Insurance Company State  
- E07_08 Insurance Company Zip Code  
- E07_09 Insurance Group ID/Name  
- E07_10 Insurance Policy ID Number  
- E07_12 First Name of the Insured  
- E07_13 Middle Initial/Name of the Insured  
- E07_14 Relationship to the Insured
**FIRST NAME OF THE INSURED**

**Data Format**  [text]

**Definition**
The first (given) name of the person insured by the insurance company

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

<table>
<thead>
<tr>
<th>Multiple Entry Configuration</th>
<th>Yes, via structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>20</td>
</tr>
</tbody>
</table>

**Field Values**
-25 Not Applicable
-5 Not Available

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

**Additional Information**
- E07_11, E07_12, and E07_13 are members of the Name of Insured group

**Uses**
- Key component of an EMS Medical Record for billing

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

**Other Associated Elements**

<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>E06_01</td>
<td>Last Name</td>
<td>E07_03</td>
<td>Insurance Company ID/Name</td>
</tr>
<tr>
<td>E07_04</td>
<td>Insurance Company Billing Priority</td>
<td>E07_05</td>
<td>Insurance Company Address</td>
</tr>
<tr>
<td>E07_06</td>
<td>Insurance Company City</td>
<td>E07_07</td>
<td>Insurance Company State</td>
</tr>
<tr>
<td>E07_08</td>
<td>Insurance Company Zip Code</td>
<td>E07_09</td>
<td>Insurance Group ID/Name</td>
</tr>
<tr>
<td>E07_10</td>
<td>Insurance Policy ID Number</td>
<td>E07_11</td>
<td>Last Name of the Insured</td>
</tr>
<tr>
<td>E07_11</td>
<td>Last Name of the Insured</td>
<td>E07_13</td>
<td>Middle Initial/Name of the Insured</td>
</tr>
<tr>
<td>E07_14</td>
<td>Relationship to the Insured</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

The middle name, if any, of the person insured by the insurance company.

<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>
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<td>Accepts Null Value</td>
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</tr>
<tr>
<td>Required in XSD</td>
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<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>20</td>
</tr>
</tbody>
</table>

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

**Field Values**

-25 Not Applicable
-5 Not Available
-10 Not Known

- Relevant Value for Data Element & Patient Care

**Additional Information**

- E07_11, E07_12, and E07_13 are members of the Name of Insured group

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E07_03 Insurance Company ID/Name
- E07_05 Insurance Company Address
- E07_07 Insurance Company State
- E07_09 Insurance Group ID/Name
- E07_11 Last Name of the Insured
- E07_12 First Name of the Insured
- E07_14 Relationship to the Insured
- E01_01 Patient Care Report Number
- E07_04 Insurance Company Billing Priority
- E07_06 Insurance Company City
- E07_08 Insurance Company Zip Code
- E07_10 Insurance Policy ID Number
- E07_11 Last Name of the Insured
- E07_12 First Name of the Insured
Definition
The relationship of the patient to the primary insured person

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

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

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available
770 Self
775 Spouse
780 Son/Daughter
785 Other

Uses
- Key component of an EMS Medical Record for billing

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

Other Associated Elements
- E00 Common Null Values
- E07_03 Insurance Company ID/Name
- E07_05 Insurance Company Address
- E07_07 Insurance Company State
- E07_09 Insurance Group ID/Name
- E07_11 Last Name of the Insured
- E07_13 Middle Initial/Name of the Insured
Definition

Indication of whether or not the injury is work related.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>YesNoValues</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Accepts Null Value</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
-5 Not Available
1 Yes

-10 Not Known
0 No

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 |
**Definition**

The occupational industry of the patient’s work.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th><code>xs:integer</code></th>
<th>XSD Domain (Simple Type)</th>
<th><code>PatientsOccupationalIndustry</code></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
795 Finance, Insurance, and Real Estate
805 Manufacturing
815 Retail Trade
825 Transportation and Public Utilities
-10 Not Known
790 Construction
800 Government
810 Mining
820 Services
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
**Definition**

The occupation of the patient

**Data Format** [combo] single-choice

**XSD Data Type** `xs:integer`  
**XSD Domain (Simple Type)** `PatientsOccupation`

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

**Field Values**

- `-25` Not Applicable  
- `-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

- `-10` Not Known  
- `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  
- E01_01 Patient Care Report Number  
- E06_01 Last Name
The last (family) name of the patient's closest relative or guardian.

**Data Format**
- xs:string
- XSD Domain (Simple Type): LastName

**Multiple Entry Configuration**
- No

**Required in XSD**
- No

**Accepts Null Value**
- Yes

**Minimum Constraint**
- 2

**Maximum Constraint**
- 20

**XSD Structure:** E07_18, E07_19, and E07_20 are all members of E07_18_01 Closest Relative Structure.

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

**Additional Information**
- The Closest Relative/Guardian Name group includes E07_18, E07_19, and E07_20

**Uses**
- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

**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_19 First Name of the Closest Relative/Guardian
- E07_20 Middle Initial/Name of the Closest Relative/Guardian
**FIRST NAME OF THE CLOSEST RELATIVE/GUARDIAN**

**Data Format** [text]

**Definition**
The first (given) name of the patient's closest relative or guardian.

<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 Value</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>XSD Structure: E07_18, E07_19, and E07_20 are all members of E07_18_01 Closest Relative Structure</td>
<td></td>
</tr>
</tbody>
</table>

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

**Additional Information**
- The Closest Relative/Guardian Name group includes E07_18, E07_19, and E07_20.

**Uses**
- Key component of an EMS Medical Record for contact information associated with billing.
- Key component of an EMS Medical Record if the patient is a minor.

**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
- E07_20 Middle Initial/Name of the Closest Relative/Guardian
- E07_18 Closest Relative/Guardian Last Name
- E01_01 Patient Care Report Number
Definition

The middle name/initial, if any, of the closest relative or guardian.

Field Values

-25 Not Applicable
-10 Not Known
-5 Not Available

Additional Information

- The Closest Relative/Guardian Name group includes E07_18, E07_19, and E07_20

Uses

- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

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>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E00</td>
<td>Common Null Values</td>
</tr>
<tr>
<td>E06_01</td>
<td>Last Name</td>
</tr>
<tr>
<td>E07_19</td>
<td>First Name of the Closest Relative/Guardian</td>
</tr>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
<tr>
<td>E07_18</td>
<td>Closest Relative/Guardian Last Name</td>
</tr>
</tbody>
</table>
**Definition**

The home street address of the patient’s closest relative or guardian.

**Data Format** [text]

<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 Value</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: E07_21, E07_22, E07_23, E07_24 are all members of E07_21_0 Closest Relatives Address Structure

**Field Values**

-25 Not Applicable

-10 Not Known

-5 Not Available

-10 Not Known

-5 Not Available

-10 Not Known

**Additional Information**

- The Closest Relative/Guardian Address group includes E07_21, E07_22, E07_23, and E07_24

**Uses**

- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

**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 |
| E07_22 | Closest Relative/Guardian City |
| E07_24 | Closest Relative/Guardian Zip Code |

| E01_01 | Patient Care Report Number |
| E07_18 | Closest Relative/Guardian Last Name |
| E07_23 | Closest Relative/Guardian State |
Definition
The home city of the patient's closest relative or guardian

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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: E07_21, E07_22, E07_23, E07_24 are all members of E07_21_0 Closest Relatives Address Structure

Field Values
-25 Not Applicable
-5 Not Available

Additional Information
- 5 digit FIPS Code
- Could be filled in from Closest Relative/Guardian Zip Code (E07_24)
- The Closest Relative/Guardian Address group includes E07_21, E07_22, E07_23, and E07_24

Uses
- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

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
- E07_21 Closest Relative/Guardian Street Address
- E07_22 Closest Relative/Guardian City
- E01_01 Patient Care Report Number
- E07_18 Closest Relative/Guardian Last Name
- E07_23 Closest Relative/Guardian State
- E07_24 Closest Relative/Guardian Zip Code
## Definition
The home state of the patient's closest relative or guardian

### Field Values
- **E07_23**
  - Single-choice
  - Allowed Values:
    - **-25** Not Applicable
    - **-5** Not Available
    - **-10** Not Known
    - **0** Relevant Value for Data Element & Patient Care

### Additional Information
- **2 digit FIPS numeric code (Not State abbreviation)**
- Could be filled in from Closest Relative/Guardian Zip Code (E07_24)
- The Closest Relative/Guardian Address group includes E07_21, E07_22, E07_23, and E07_24

### Uses
- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

### 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
- **E07_21** Closest Relative/Guardian Street Address
- **E07_22** Closest Relative/Guardian City
- **E07_24** Closest Relative/Guardian Zip Code

---

### XSD Structure

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
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<td>Maximum Constraint</td>
<td>3</td>
</tr>
</tbody>
</table>

E07_21, E07_22, E07_23, E07_24 are all members of E07_21_0 Closest Relatives Address Structure
**Definition**

The home Zip Code of the patient's closest relative or guardian

<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>
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</tr>
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<td>Maximum Constraint</td>
<td>10</td>
</tr>
<tr>
<td>XSD Structure</td>
<td>E07_21, E07_22, E07_23, E07_24</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable

-10 Not Known

-5 Not Available

-10 Not Known

**Additional Information**

- Can be a 5 or 9 digit Zip Code
- The Closest Relative/Guardian Address group includes E07_21, E07_22, E07_23, and E07_24

**Uses**

- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

**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_18 Closest Relative/Guardian Last Name
- E07_21 Closest Relative/Guardian Street Address
- E07_22 Closest Relative/Guardian City
- E07_23 Closest Relative/Guardian State
**Definition**

The home or other phone number of the patient's closest relative or guardian

---

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

---

**Field Values**

-25 Not Applicable  
-5 Not Available  
-10 Not Known  
-25 Not Applicable  
-10 Not Known

---

**Additional Information**

- 10 digit telephone number

---

**Uses**

- Key component of an EMS Medical Record for contact information associated with billing  
- Key component of an EMS Medical Record if the patient is a minor

---

**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_18** Closest Relative/Guardian Last Name
**Definition**

The relationship of the patient's closest relative or guardian

**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>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>955</td>
<td>Father</td>
</tr>
<tr>
<td>965</td>
<td>Other</td>
</tr>
<tr>
<td>975</td>
<td>Spouse</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>950</td>
<td>Appointed Guardian</td>
</tr>
<tr>
<td>960</td>
<td>Mother</td>
</tr>
<tr>
<td>970</td>
<td>Son/Daughter</td>
</tr>
</tbody>
</table>

**Uses**

- Key component of an EMS Medical Record for contact information associated with billing
- Key component of an EMS Medical Record if the patient is a minor

**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
- **E07_18** Closest Relative/Guardian Last Name
**Definition**

The name of the patient's employer

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Name</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>30</td>
</tr>
</tbody>
</table>

XSD Structure: (1) E07_27, E07_28, E07_29, E07_30, E07_31 are all members of E07_27_0 Patient's Employer Structure. (2) E07_28, E07_29, E07_30, and E07_31 are all members of the E07_28_0 Employer's Address Structure

**Field Values**

-25 Not Applicable
-5 Not Available

-10 Not Known

- Relevant Value for Data Element & Patient Care

**Additional Information**

- The Patient's Employer's Address group includes E07_27, E07_28, E07_29, E07_30, and E07_31

**Uses**

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

**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>E07_29</td>
<td>Patient's Employer's City</td>
</tr>
<tr>
<td>E07_31</td>
<td>Patient's Employer's Zip Code</td>
</tr>
</tbody>
</table>

| E01_01 | Patient Care Report Number |
| E07_28 | Patient's Employer's Address |
| E07_30 | Patient's Employer's State |
**PATIENT'S EMPLOYER'S ADDRESS**

**Data Format** [text]

**Definition**

The street address of the patient's employer

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

**Multiple Entry Configuration**  
No

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
30

**XSD Structure:**

1. E07_27, E07_28, E07_29, E07_30, E07_31 are all members of E07_27_0 Patient's Employer Structure.
2. E07_28, E07_29, E07_30, and E07_31 are all members of the E07_28_0 Employer's Address Structure

**Field Values**

-25 Not Applicable
-5 Not Available

**Additional Information**

- 25 Not Applicable
- 5 Not Available

**Uses**

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

**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>
<th>E01_01</th>
<th>Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E06_01</td>
<td>Last Name</td>
<td>E07_27</td>
<td>Patient's Employer</td>
</tr>
<tr>
<td>E07_29</td>
<td>Patient's Employer's City</td>
<td>E07_30</td>
<td>Patient's Employer's State</td>
</tr>
<tr>
<td>E07_31</td>
<td>Patient's Employer's Zip Code</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Definition**

The home city of the patient's employer

**XSD Data Type** `xs:string`  
**XSD Domain (Simple Type)** City  
**Multiple Entry Configuration** No  
**Accepts Null Value** Yes

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

XSD Structure:  
1. E07_27, E07_28, E07_29, E07_30, E07_31 are all members of E07_27_0 Patient's Employer Structure.  
2. E07_28, E07_29, E07_30, and E07_31 are all members of the E07_28_0 Employer's Address Structure

**Field Values**

-25 Not Applicable  
-5 Not Available  
-10 Not Known  
-10 Relevant Value for Data Element & Patient Care

**Additional Information**

- 5 digit FIPS Code  
- Could be filled in from Patient's Employer's Zip Code (E07_31)  
- The Patient's Employer's Address group includes E07_27, E07_28, E07_29, E07_30, and E07_31

**Uses**

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

**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>
<th>E01_01</th>
<th>Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E07_27</td>
<td>Patient's Employer</td>
<td>E07_28</td>
<td>Patient's Employer's Address</td>
</tr>
<tr>
<td>E07_30</td>
<td>Patient's Employer's State</td>
<td>E07_31</td>
<td>Patient's Employer's Zip Code</td>
</tr>
</tbody>
</table>
**PATIENT’S EMPLOYER’S STATE**

**Data Format**  [combo] single-choice

---

**Definition**

The home state of the patient's employer

---

**XSD Data Type**  xs:string  
**XSD Domain (Simple Type)**  State  
**Multiple Entry Configuration**  No  
**Accepts Null Value**  Yes

---

**Required in XSD**  No  
**Minimum Constraint**  2  
**Maximum Constraint**  3

---

XSD Structure: (1) E07_27, E07_28, E07_29, E07_30, E07_31 are all members of E07_27_0 Patient’s Employer Structure.  
(2) E07_28, E07_29, E07_30, and E07_31 are all members of the E07_28_0 Employer's Address Structure

---

**Field Values**

-25 Not Applicable
-5 Not Available

---

**-10 Not Known**

---

**Additional Information**

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Patient's Employer’s Zip Code (E07_31)
- The Patient's Employer's Address group includes E07_27, E07_28, E07_29, E07_30, and E07_31

---

**Uses**

- Key component of an EMS Medical Record for contact information associated with 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
- **E07_27**  Patient's Employer
- **E07_28**  Patient's Employer's Address
- **E07_29**  Patient’s Employer’s City
- **E07_30**  Patient’s Employer’s State
- **E07_31**  Patient’s Employer’s Zip Code
PATIENT’S EMPLOYER’S ZIP CODE

Data Format [text]

Definition
The home Zip Code of the patient's employer

<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 Value</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>10</td>
</tr>
</tbody>
</table>

XSD Structure: (1) E07_27, E07_28, E07_29, E07_30, E07_31 are all members of E07_27_0 Patient's Employer Structure.
(2) E07_28, E07_29, E07_30, and E07_31 are all members of the E07_28_0 Employer's Address Structure

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known
-25 Not Known
-5 Not Available
-10 Not Known
-25 Not Known
-5 Not Available
-10 Not Known
-25 Not Known
-5 Not Available
-10 Not Known

Additional Information
- Can be a 5 or 9 digit Zip Code
- The Patient's Employer's Address group includes E07_27, E07_28, E07_29, E07_30, and E07_31

Uses
- Key component of an EMS Medical Record for contact information associated with 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
- E07_27 Patient's Employer
- E07_28 Patient's Employer's Address
- E07_29 Patient's Employer's City
- E07_30 Patient's Employer's State
- E01_01 Patient Care Report Number
PATIENT'S WORK TELEPHONE NUMBER

**Definition**
The patient's work telephone number

**Data Format** [number]

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

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

**Required in XSD** No  
**Minimum Constraint** 2  
**Maximum Constraint** 10

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

**Additional Information**
- 10 digit telephone number

**Uses**
- Key component of an EMS Medical Record for contact information associated with 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
**Definition**

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

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

**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>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>985</td>
<td>Non-Immediate</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>980</td>
<td>Immediate</td>
</tr>
</tbody>
</table>

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- **E00** Common Null Values
- **E01_01** Patient Care Report Number
Definition
The CMS service level for this EMS encounter.

Field Values
-25 Not Applicable
-10 Not Known
990 BLS
1000 ALS, Level 1
1010 ALS, Level 2
1020 Specialty Care Transport
1030 Rotary Wing (Helicopter)
-15 Not Reporting
-5 Not Available
995 BLS, Emergency
1005 ALS, Level 1 Emergency
1015 Paramedic Intercept
1025 Fixed Wing (Airplane)

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.

**Data Format**

[combo] multiple-choice

**XSD Data Type**

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

ConditionCodeNumber

**Multiple Entry Configuration**

Yes, via structure

**Accepts Null Value**

Yes

**Required in XSD**

Yes

**Minimum Constraint**

2

**Maximum Constraint**

30

**XSD Structure**

E07_35, E07_36 are members of E07_35_0 Condition Codes Structure

### Field Values

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

<table>
<thead>
<tr>
<th>E00</th>
<th>E01_01</th>
<th>E07_36</th>
<th>E07_37</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Null Values</td>
<td>Patient Care Report Number</td>
<td>ICD-9 Code for the Condition Code Number</td>
<td>Condition Code Modifier</td>
</tr>
</tbody>
</table>

Section E07  Billing

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Definition

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

Field Values

-25 Not Applicable
-5 Not Available
-10 Not Known

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

Field Values

-25 Not Applicable
-5 Not Available
1036 B-Interfacility Transport (service not available)
1038 D-Medically Necessary Transport (Not Nearest Facility)
1040 F-Emergency Trauma Dispatch Condition Code (patient is BLS)
1042 Air-B-Traffic 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
Definition

Other EMS agencies that were at the scene, if any

Field Values

-25 Not Applicable
-10 Not Known
-5 Not Available

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values
E01_01 Patient Care Report Number
Definition
Other services that were at the scene, if any

Field Values
-25 Not Applicable
-5 Not Available
1065 Fire
1075 Law
1085 Other
1095 Utilities

-10 Not Known
1060 EMS Mutual Aid
1070 Hazmat
1080 Other Health Care Provider
1090 Rescue

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

Data Collector
EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number
Definition

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>EstimatedDateTimeInitialResponderOnScene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
1105 5 - 15 Minutes
1115 After EMS

-10 Not Known
1100 >15 minutes
1110 <5 Minutes

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

- E00 Common Null Values
- E01_01 Patient Care Report Number
**DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE**

**Data Format** [date/time]

**Definition**

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

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

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

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

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- **E01_01** Patient Care Report Number
**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

**Required in XSD**  Yes

**Accepts Null Value**  Yes

**Field Values**

- **-25**  Not Applicable
- **-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.
**Definition**

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

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

**Field Values**

- -25 Not Applicable
- -10 Not Known
- 0 No
- -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

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

**Field Values**

-25 Not Applicable
-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
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

**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
Definition

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

Field Values

-25 Not Applicable
-5 Not Available

Additional Information

- Could be an 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

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E08_07 Incident Location Type
**Definition**

Geographic zone representing the location of the scene

**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>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td></td>
<td>Relevant Value for Data Element &amp; Patient Care</td>
</tr>
</tbody>
</table>

**Additional Information**

- Created from Zones (D04_03)

**Uses**

- 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

---

**XSD Data Type** | xs:string
**XSD Domain (Simple Type)** | ZoneNumber
**Multiple Entry Configuration** | No
**Accepts Null Value** | Yes
**Required in XSD** | No
**Minimum Constraint** | 1
**Maximum Constraint** | 30

---

Section E08  Scene

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

The GPS coordinates associated with the Scene.

**XSD Data Type**  
xs:decimal

**XSD Domain (Simple Type)**  
GPSLocation

**Multiple Entry Configuration**  
No

**Accepts Null Value**  
No

**Required in XSD**  
No

**XSD Attributes:** Latitude and Longitude are each stored as a separate attribute

**Field Values**

- Relevant Value for Data Element & Patient Care

**Uses**

- 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**

- **E01_01**  Patient Care Report Number
- **E08_07**  Incident Location Type
**Definition**

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

**Field Values**

-25 Not Applicable
-5 Not Available
-10 Not Known

**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_14 Incident State
- E01_01 Patient Care Report Number
- E08_12 Incident City
- E08_15 Incident ZIP Code

**References in NHTSA Version 1**

Essential Element 01 Incident Address
INCIDENT CITY

**Definition**

The city or township (if applicable) 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>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</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
-5 Not Available

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

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

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

**References in NHTSA Version 1**

Essential Element 02 Incident City
INCIDENT COUNTY

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>
<th>XSD Domain (Simple Type)</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
-10 Not Known
- Not Known
● 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
E01_01 Patient Care Report Number
E08_07 Incident Location Type

References in NHTSA Version 1
Essential Element 03 Incident County
**Definition**

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

**Field Values**

- **25** Not Applicable  
- **-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  
- **E08_14** INCIDENT STATE  
- **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
Definition
The ZIP code of the incident location

Field Values
-25 Not Applicable
-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
- Allows data to be sorted based on the geographic location of the EMS Incident
- Allows data to describe geographic location of the EMS Incident

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

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

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

**Field Values**

- **-25** Not Applicable
- **-15** Not Reporting
- **-10** Not Known
- **-5** Not Available

- 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**

- Desirable Element 58
- Time of First CPR

**References to Other Databases**

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

**Field Values**

- **-25** Not Applicable
- **-10** Not Known
- **1195** EMS Provider
- **1205** Lay Person
- **1215** Patient
- **-15** Not Reporting
- **-5** Not Available
- **1200** Law Enforcement
- **1210** Other Healthcare Provider

**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
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>OutcomeOfPriorAid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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  
-10 Not Known  
1220 Improved  
1230 Worse  

-15 Not Reporting  
-5 Not Available  
1225 Unchanged

**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**

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

**Field Values**
-25 Not Applicable  
-10 Not Known  
0 No  
-15 Not Reporting  
-5 Not Available  
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
Definition
The statement of the problem by the patient or the history provider in one or two words.

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available
Not Applicable
Not Known
Not Available

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

Data Collector
EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable Element 48 Chief Complaint
DURATION OF CHIEF COMPLAINT

Data Format: [number]

Definition:
The time duration of the chief complaint

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DurationOfChiefComplaint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>No</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>360</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Value</th>
<th>Time Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1235</td>
<td>Seconds</td>
</tr>
<tr>
<td>1240</td>
<td>Minutes</td>
</tr>
<tr>
<td>1245</td>
<td>Hours</td>
</tr>
<tr>
<td>1250</td>
<td>Days</td>
</tr>
<tr>
<td>1255</td>
<td>Weeks</td>
</tr>
<tr>
<td>1260</td>
<td>Months</td>
</tr>
<tr>
<td>1265</td>
<td>Years</td>
</tr>
</tbody>
</table>

- 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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
<tr>
<td>E09_05</td>
<td>Chief Complaint</td>
</tr>
<tr>
<td>E09_06</td>
<td>Duration of Chief Complaint</td>
</tr>
</tbody>
</table>

---

Section E09  Situation

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

The narrative of the patient's secondary complaint

---

### Field Values

- **-25** Not Applicable
- **-5** Not Available
- **-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 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
Definition

The duration of the secondary complaint

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DurationOfSecondaryComplaint</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>360</td>
</tr>
</tbody>
</table>

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

XSD Structure: E09_09 and E09_10 are members of E09_09_0 Duration of Secondary Complaint Structure
The time units of the duration of the patient's secondary complaint

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Time Units of Secondary Complaint</th>
</tr>
</thead>
<tbody>
<tr>
<td>1270 Seconds</td>
<td>1275 Minutes</td>
</tr>
<tr>
<td>1280 Hours</td>
<td>1285 Days</td>
</tr>
<tr>
<td>1290 Weeks</td>
<td>1295 Months</td>
</tr>
<tr>
<td>1300 Years</td>
<td></td>
</tr>
</tbody>
</table>

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- **E01_01** Patient Care Report Number
- **E09_08** Secondary Complaint Narrative
- **E09_09** Duration of Secondary Complaint
Definition
The primary anatomic location of the chief complaint as identified by EMS personnel

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

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
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.

Field Values

<table>
<thead>
<tr>
<th>Field Values</th>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
<td>xs:integer</td>
<td>ComplaintOrganSystem</td>
</tr>
<tr>
<td>-10 Not Known</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1350 Cardiovascular</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1360 Endocrine/Metabolic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1370 Global</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1380 OB/Gyn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1390 Pulmonary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1400 Skin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1355 CNS/Neuro</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1365 GI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1375 Musculoskeletal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1385 Psych</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1395 Renal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-15 Not Reporting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-5 Not Available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
**Definition**

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

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
PrimarySymptom

**Multiple Entry Configuration**  
No

**Required in XSD**  
Yes

**Field Values**

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

1405 Bleeding  
1410 Breathing Problem

1415 Change in responsiveness  
1420 Choking

1425 Death  
1430 Device/Equipment Problem

1435 Diarrhea  
1440 Drainage/Discharge

1445 Fever  
1450 Malaise

1455 Mass/Lesion  
1460 Mental/Psych

1465 Nausea/Vomiting  
1470 None

1475 Pain  
1480 Palpitations

1485 Rash/Itching  
1490 Swelling

1495 Transport Only  
1500 Weakness

1505 Wound

**Additional Information**

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

**Uses**

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

**Data Collector**

EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

- Essential Element 52 Signs and Symptoms Present
OTHER ASSOCIATED SYMPTOMS

Data Format [combo] multiple-choice

National Element

Definition

Other symptoms identified by the patient or observed by EMS personnel

Field Values

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

Multiple Entry Configuration Yes

Accepts Null Value Yes

Required in XSD Yes

Field Values

-25 Not Applicable
-10 Not Known
1510 Bleeding
1520 Change in responsiveness
1530 Death
1540 Diarrhea
1550 Fever
1560 Mass/Lesion
1570 Nausea/Vomiting
1580 Pain
1590 Rash/Itching
1600 Transport Only
1610 Wound

-15 Not Reporting
-5 Not Available
1515 Breathing Problem
1525 Choking
1535 Device/Equipment Problem
1545 Drainage/Discharge
1555 Malaise
1565 Mental/Psych
1575 None
1585 Palpitations
1595 Swelling
1605 Weakness

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
**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).

**Field Values**

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

-25 Not Applicable  
-10 Not Known  
1615 789.00- Abdominal pain / problems  
1625 995.30- Allergic reaction  
1635 312.90- Behavioral / psychiatric disorder  
1645 427.90- Cardiac rhythm disturbance  
1655 250.90- Diabetic symptoms (hypoglycemia)  
1665 780.60- Hyperthermia  
1675 785.59- Hypovolemia / shock  
1685 798.99- Obvious death  
1695 659.90- Pregnancy / OB delivery  
1705 799.10- Respiratory arrest  
1715 959.90- Sexual assault / rape  
1725 989.50- Stings / venomous bites  
1735 780.20- Syncope / fainting  
1745 623.80- Vaginal hemorrhage

**Additional Information**

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

**Uses**

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

**Data Collector**

EMS personnel

**Other Associated Elements**

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

**References in NHTSA Version 1**

Essential Element 50 Providers Impression

**References to Other Databases**

- NFIRS 5.0 EMS Module; Title: Provider Impression/Assessment; The emergency providers single most important impression/assessment which drove the choice of treatment; [combo] Abdominal Pain = 10, Airway Obstruction = 11, Allergic Reaction, excludes stings & venomous bites = 12, Altered Level of Consciousness = 13, Behavioral-Mental Status, Psychiatric Disorder = 14, Burns = 15, Cardiac Arrest = 16, Cardiac Dysrhythmia = 17, Chest Pain = 18, Diabetic Symptom = 19, Do Not Resuscitate = 20, Electrocutin = 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
**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).

### Field Values

-25 Not Applicable
-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

-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

### Uses

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

### Data Collector

- EMS personnel

### Other Associated Elements

- E00 Common Null Values
- E01_01 Patient Care Report Number

### References in NHTSA Version 1

- Essential Element 50 Providers Impression
Situation/
Trauma
Definition
The category of the reported/suspected external cause of the injury

Field Values
-25 Not Applicable
-10 Not Known
9500 Aircraft related accident (E84X.0)
9510 Bites (E906.0)
9520 Child battering (E967.0)
9530 Drug poisoning (E85X.0)
9540 Excessive Cold (E901.0)
9550 Falls (E88X.0)
9560 Firearm assault (E965.0)
9570 Firearm self inflicted (E955.0)
9580 Machinery accidents (E919.0)
9590 Motor Vehicle non-traffic accident (E82X.0)
9600 Motorcycle Accident (E81X.1)
9610 Pedestrian traffic accident (E814.0)
9620 Rape (E960.1)
9630 Stabbing/Cutting Accidental (E986.0)
9640 Struck by Blunt/Thrown Object (E968.2)
9650 Water Transport accident (E83X.0)
9505 Bicycle Accident (E826.0)
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 Venomous 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
- E00 Common Null Values
- E01_01 Patient Care Report Number

References in NHTSA Version 1
Essential Element 49 Cause of Injury

References to Other Databases
- NFIRS 5.0 EMS Module; Title: Cause of Illness/Injury; The immediate cause or condition responsible for the injury or illness; Pick-List: Chemical Exposure = 10, Drug Poisoning = 11, Fall = 12, Aircraft Related = 13, Bite, Includes Animal Bites = 14, Bicycle Accident = 15, Building Collapse/Construction Accident = 16, Downing = 17, Electrical Shock = 18, Cold = 19, Heat = 20, 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
**Definition**

The intent of the individual inflicting the injury

**Field Values**

<table>
<thead>
<tr>
<th>Data Format</th>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Required in XSD</th>
<th>Accepts Null Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>[combo] single-choice</td>
<td>xs:integer</td>
<td>IntentOfInjury</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Multiple Entry Configuration**

- **-25** Not Applicable
- **-10** Not Known
- **-5** Not Available
- **2020** Intentional, Other (Assaulted)
- **2025** Intentional, Self
- **2030** Unintentional

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

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

**References in NHTSA Version 1**

- Desirable Element: 54 Injury Intent

**References to Other Databases**

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

**Data Format** [combo] multiple-choice

---

**Definition**

The mechanism of the event which caused the injury.

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

**Field Values**

-25 Not Applicable
-10 Not Known
-5 Not Available
2035 Blunt
2040 Burn
2045 Other
2050 Penetrating

**Additional Information**

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

**Uses**

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

---

*Section E10  Situation/ Trauma*

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition
The kind of risk factor predictors associated with the vehicle involved in the incident

Field Values

<table>
<thead>
<tr>
<th>Field Values</th>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Accepts Null Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
<td>xs:integer</td>
<td>VehicularInjuryIndicators</td>
<td>Yes</td>
</tr>
<tr>
<td>-5 Not Available</td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>2060 DOA Same Vehicle</td>
<td>2065 Ejection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2070 Fire</td>
<td>2075 Rollover/Roof Deformity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2080 Side Post Deformity</td>
<td>2085 Space Intrusion &gt;1 foot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2090 Steering Wheel Deformity</td>
<td>2095 Windshield Spider/Star</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Definition
The area or location of impact on the vehicle

Field Values
-25 Not Applicable
-5 Not Available
2105 Center Rear
2115 Left Rear
2125 Right Front
2135 Right Side
2110 Left Front
2120 Left Side
2130 Right Rear
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
**Definition**

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

**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

---

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

**Multiple Entry Configuration**  No  **Accepts Null Value**  No

**Required in XSD**  No  **Minimum Constraint**  1  **Maximum Constraint**  15

XSD Structure:  E10_06 and E10_07 are members of E10_06_0 Position of Patient Structure
**Position of Patient in the Seat of the Vehicle**

**Definition**

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
2150 Left (non-driver)  
2160 Other

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>UseOfOccupantSafetyEquipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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
-5 Not Available
2175 Eye Protection
2185 Lap Belt
2190 Other
2200 Protective Clothing
2210 Shoulder Belt

-10 Not Known
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

| 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
**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 Value</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
- -20 Not Known
- -5 Not Available
- 2215 No Airbag Present
- 2220 No Airbag Deployed
- 2225 Airbag Deployed Front
- 2230 Airbag Deployed Side
- 2235 Airbag Deployed Other (knee, airbelt, etc.)

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

- Essential Element 55 Safety Equipment

**References to Other Databases**

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

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

**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
Situation/ CPR
Definition

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

Field Values

-25 Not Applicable
-10 Not Known
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
Definition
Indication of the etiology or cause of the cardiac arrest (classified as cardiac, non-cardiac, etc.)

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
</tr>
<tr>
<td>-10 Not Known</td>
</tr>
<tr>
<td>2250 Presumed Cardiac</td>
</tr>
<tr>
<td>2260 Drowning</td>
</tr>
<tr>
<td>2270 Electrocution</td>
</tr>
<tr>
<td>2255 Trauma</td>
</tr>
<tr>
<td>2265 Respiratory</td>
</tr>
<tr>
<td>2275 Other</td>
</tr>
</tbody>
</table>

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
**Definition**

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

**Field Values**

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

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

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

**References to Other Databases**

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

**Data Format** [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 Value</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Required in XSD</strong></td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

- **-25** Not Applicable
- **-5** Not Available
- **2315** Witnessed by Lay Person
- **-10** Not Known
- **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**

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

**References in NHTSA Version 1**

Desirable Element 62 Witness of Cardiac Arrest

**References to Other Databases**

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

**Data Format** [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>
<th>XSD Domain (Simple Type)</th>
<th>FirstMonitoredRhythm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

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

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

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

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Initial Arrest Rhythm; Pick-List: V-Fib/V-Tach = 1, Other = O, Undetermined = U
- UTSTEIN Title: First Monitored Rhythm Shockable (in Cardiac Arrest) and First Monitored Rhythm Non-Shockable; [combo] Ventricular Fibrillation, Ventricular Tachycardia, Unknown AED Shockable Rhythm, Asystole, PEA, Bradycardia, Other, Unknown AED Non-Shockable Rh
Definition
Indication whether or not there was any return of spontaneous circulation at any time during the EMS event.

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available
0 No
2370 Yes, Prior to ED Arrival Only
2375 Yes, Prior to ED Arrival and at the ED

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

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

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

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable Element 64 Return of Spontaneous Circulation

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

The level of cerebral performance of the patient at the time of discharge from the Hospital:
- **1 = Good Cerebral Performance:** Conscious, Alert, able to work and lead a normal life
- **2 = Moderate Cerebral Disability:** Conscious and able to function independently (dress, travel, prepare food) may have hemiplegia, seizures, or permanent memory or mental changes
- **3 = Severe Cerebral Disability:** Conscious, dependent on others for daily support, functions only in an institution or at home with exceptional family effort
- **4 - Coma, vegetative state**

---

**Field Values**

-25 Not Applicable
-5 Not Available

**2380 CPC 1 or 2**

**2385 CPC 3 or 4**

**Additional Information**

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

**Uses**

- 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**

- **UTSTEIN** Title: Neurological Outcome at Discharge; [combo] CPC 1 or 2, CPC 3 or 4, Unknown
Definition
The length of time the patient was down (estimated) before the responding unit arrived at the patient.

Field Values

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

Multiple Entry Configuration
No

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

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

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

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

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number
The date/time the CPR was discontinued (or could be time of death)

**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
REASON CPR DISCONTINUED

Data Format [combo] single-choice

Definition
The reason that CPR or the resuscitation efforts were discontinued.

Field Values

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ReasonCPRDiscontinued</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepted Null Value</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
- 10 Not Known
- 5 Not Available
- 2430 DNR
- 2435 Medical Control Order
- 2440 Obvious Signs of Death
- 2445 Protocol/Policy Requirements Completed
- 2450 Return of Spontaneous Circulation (pulse or BP noted)

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

- E00 Common Null Values
- E01_01 Patient Care Report Number
**CARDIAC RHYTHM ON ARRIVAL AT DESTINATION**

**Data Format** [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>CardiacRythmAtDestination</th>
</tr>
</thead>
<tbody>
<tr>
<td>xs:integer</td>
<td></td>
</tr>
</tbody>
</table>

**Multiple Entry Configuration** Yes

**Accepts Null Value** Yes

**Field Values**

- **25** Not Applicable
- **5** Not Available
- **2460** 12 Lead ECG-Inferior Ischemia
- **2470** Agonal/Idioventricular
- **2480** Asystole
- **2490** AV Block-1st Degree
- **2500** AV Block-2nd Degree-Type 2
- **2510** Junctional
- **2520** Normal Sinus Rhythm
- **2530** Paced Rhythm
- **2540** Premature Atrial Contractions
- **2550** Right Bundle Branch Block
- **2560** Sinus Bradycardia
- **2570** Supraventricular Tachycardia
- **2580** Unknown AED Non-Shockable Rhythm
- **2590** Ventricular Fibrillation
- **10** Not Known
- **-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
- **2535** PEA
- **2545** Premature Ventricular Contractions
- **2555** Sinus Arrhythmia
- **2565** Sinus Tachycardia
- **2575** Torsades De Points
- **2585** Unknown AED Shockable Rhythm
- **2595** Ventricular Tachycardia

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

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

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

**Other Associated Elements**

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

**References in NHTSA Version 1**

Desirable Element 67  Rhythm at Destination
Medical History
**Definition**

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

**Field Values**

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>BarriersToPatientCare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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
-10 Not Known
2600 Developmentally Impaired
2610 Language
2620 Physically Impaired
2630 Speech Impaired
2640 Unconscious
-15 Not Reporting
-5 Not Available
2605 Hearing Impaired
2615 None
2625 Physically Restrained
2635 Unattended or Unsupervised (including minors)

**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
**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 Value</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  
-5 Not Available  
-10 Not Known  
-25 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
**Definition**

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

### Field Values

-25 Not Applicable

-5 Not Available

-10 Not Known

● 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
**Definition**

The first name of the patient's primary practitioner

<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 Value</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>
<tr>
<td>XSD Structure:</td>
<td>E12_04, E12_05, and E12_06 are all members of E12_04_0 Primary Practitioner's Name Structure</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-5 Not Available
-10 Not Known

- Relevant Value for Data Element & Patient Care

**Uses**

- Part of an EMS Medical Record

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E06_01 Last Name
- E12_05 Middle Name of Patient's Primary Practitioner
- E12_06 Last Name of Patient's Primary Practitioner
Definition
The middle name of the patient's primary practitioner

| Data Format       | [text] |

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available
-10 Not Known

Uses
- Part of an EMS Medical Record
- Relevant Value for Data Element & Patient Care

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
- E12_04 First Name of Patient's Primary Practitioner
- E12_06 Last Name of Patient's Primary Practitioner

XSD Data Type: xs:string
XSD Domain (Simple Type): MidlleInitialName
Multiple Entry Configuration: No
Accepts Null Value: Yes
Required in XSD: No
Minimum Constraint: 1
Maximum Constraint: 20
XSD Structure: E12_04, E12_05, and E12_06 are all members of E12_04_0 Primary Practitioner's Name Structure
Definition
The last name of the patient's primary practitioner

XSD Data Type xs:string  XSD Domain (Simple Type) LastName
Multiple Entry Configuration No  Accepts Null Value Yes
Required in XSD No  Minimum Constraint 2  Maximum Constraint 20
XSD Structure: E12_04, E12_05, and E12_06 are all members of E12_04_0 Primary Practitioner's Name Structure

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known
- Relevant Value for Data Element & Patient Care

Uses
- Part of an EMS Medical Record
- Relevant Value for Data Element & Patient Care

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
E12_05 Middle Name of Patient's Primary Practitioner

E01_01 Patient Care Report Number
E12_04 First Name of Patient's Primary Practitioner
Definition
The presence of a valid for of living will of document directing end of life or healthcare treatment decisions

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>AdvanceDirectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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 | -10 Not Known
-5 Not Available | 2645 State/EMS DNR Form
2650 Other Healthcare DNR Form | 2655 Living Will
2660 Family/Guardian request DNR (but no documentation) | 2665 Other
2670 None

Additional Information
- DNR = Do Not Resuscitate

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

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

Other Associated Elements
E00 Common Null Values | E01_01 Patient Care Report Number
E06_01 Last Name
**Definition**

The patient’s medication allergies

---

**Data Format** [combo] multiple-choice

---

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

<table>
<thead>
<tr>
<th>Multiple Entry Configuration</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required in XSD</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>30</td>
</tr>
</tbody>
</table>

---

**Field Values**

- **25** Not Applicable
- **5** Not Available
- **-25** Not Applicable
- **-5** Not Available
- **-10** Not Known
- **NKDA** (No Known Drug Allergies)

---

**Additional Information**

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

---

**Uses**

- Part of an EMS Medical Record

---

**Data Collector**

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

---

**Other Associated Elements**

<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>
<tr>
<td>E06_01</td>
<td>Last Name</td>
</tr>
</tbody>
</table>

---

Section E12  Medical History

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>EnvironmentalFoodAllergies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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
-5 Not Available
2680 Food Allergy
2690 Chemical
2700 None
-10 Not Known
2675 Insect Sting
2685 Latex
2695 Other

**Uses**

- Part of an EMS Medical Record

**Data Collector**

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

**Other Associated Elements**

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

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

Field Values

-25 Not Applicable
-5 Not Available
-10 Not Known

Additional Information

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

Uses

- Part of an EMS Medical Record

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 51 Pre-Existing Condition
**Definition**
Type of person medical history obtained from

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>MedicalHistoryObtainedFrom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
2710 Family
2720 None

-10 Not Known
2705 Bystander/Other
2715 Health Care Personnel
2725 Patient

**Uses**
- Part of an EMS Medical Record

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

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

The type of immunization the patient has received.

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>2730 Anthrax</td>
</tr>
<tr>
<td>2740 Hemophilus Influenza B</td>
</tr>
<tr>
<td>2750 Hepatitis B</td>
</tr>
<tr>
<td>2760 MMR (Measles, Mumps, Rubella)</td>
</tr>
<tr>
<td>2770 Small Pox</td>
</tr>
<tr>
<td>2780 Varicella</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part of the Medical History of the patient and could be important in a Bioterrorism event</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data Collector</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Associated Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>E01_01 Patient Care Report Number</td>
</tr>
<tr>
<td>E06_01 Last Name</td>
</tr>
<tr>
<td>E12_13 Immunization Date</td>
</tr>
</tbody>
</table>
**Definition**

The date of the associated immunization type.

**XSD Data Type**  \( \text{xs:gyear} \)  
**XSD Domain (Simple Type)**  \( \text{ImmunizationDate} \)  
**Multiple Entry Configuration**  Yes, via structure  
**Accepts Null Value**  Yes  
**Required in XSD**  No  
**Minimum Constraint**  1,890  
**Maximum Constraint**  2,030  

XSD Structure: E12_12 and E12_13 are members of E12_12_0 Immunization History Structure

**Field Values**

-25 Not Applicable  
-5 Not Available  
-10 Not Known  

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Could be configured with a list box of years formatted as YYYY  
- Format [YYYY]

**Uses**

- Part of the Medical History of the patient and could be important in a Bioterrorism event

**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_12 Immunization History
**CURRENT MEDICATIONS**

**Data Format**  [combo or text] multiple-choice

**Definition**

The medications the patient currently takes

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>CurrentMedicationName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
</tbody>
</table>

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

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

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

**Uses**

- Part of an EMS Medical Record

**Data Collector**

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

**Other Associated Elements**

- **E01_01** Patient Care Report Number
- **E12_15** Current Medication Dose
- **E12_16** Current Medication Dosage Unit
- **E12_17** Current Medication Administration Route
**CURRENT MEDICATION DOSE**

**Data Format** [number]

**Definition**
The numeric dose or amount of the patient’s current medication

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

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

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

**Uses**
- Part of an EMS Medical Record

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

**Other Associated Elements**
- E01_01 Patient Care Report Number
- E12_14 Current Medications
- E12_16 Current Medication Dosage Unit
- E12_17 Current Medication Administration Route
**Definition**

The dosage unit of the patient’s current medication

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Uses</th>
<th>Data Collector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2785 GMS</td>
<td>Part of an EMS Medical Record</td>
<td>EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database</td>
</tr>
<tr>
<td>2795 IU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2805 L/MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2815 LPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2825 MCG/KG/MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2835 MG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2845 ML</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2855 Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2790 Inches</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2800 KVO (TKO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2810 LITERS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2820 MCG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2830 MEQ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2840 MG/KG/MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2850 ML/HR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2860 Puffs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Reference to Other Databases**

- DEEDS DEEDS/HL-7 Version 2.3

**E12_16**

**Data Format** [combo] single-choice

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

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

**XSD Structure:**
1. E12_14, E12_15, E12_16, and E12_17 are all members of E12_14_0 Current Medications Structure.
2. E12_15 and E12_16 are members of E12_15_0 Current Medication Dose Structure.
Definition
The administration route (po, SQ, etc.) of the patient’s current medication.

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

**Multiple Entry Configuration**: Yes, via structure  
**Accepts Null Value**: Yes

**Required in XSD**: No

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

**Field Values**

-25 Not Applicable
-5 Not Available
2870 Gastrostomy
2880 Intramuscular
2895 Intravenous
2905 Nasal prongs
2915 Ophthalmic
2925 Other/miscellaneous
2935 Non Re-breather mask
2945 Subcutaneous
2955 Topical
2965 Transdermal
2975 Ventimask
2865 Endotracheal tube
2875 Inhalation
2890 Intraocular
2900 Nasal
2910 Nasogastric
2920 Oral
2930 Otic
2940 Rectal
2950 Sublingual
2960 Tracheostomy
2970 Urethral
2980 Wound

**Uses**
- Part of an EMS Medical Record

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

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E12_14</td>
<td>Current Medications</td>
</tr>
<tr>
<td>E12_15</td>
<td>Current Medication Dose</td>
</tr>
</tbody>
</table>

**References to Other Databases**
- [DEEDS](#) DEEDS/HL-7 Version 2.3; [combo] Apply externally = AP, Buccal = B, Dental = DT, Epidural = EP, Endotracheal tube = ET, Gastronomy tube = GTT, Genitourinary irrigant = GU, Intraarterial = IA, Intrabursal = IB, Intracardiac = IC, Intracervical (uterus) = IC
**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>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable  
-5 Not Available  
1 Yes  
-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
Definition

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>AlcoholDrugUseIndicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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
-10 Not Known
-5 Not Available
2985 Smell of Alcohol on Breath
2990 Patient Admits to Alcohol Use
2995 Patient Admits to Drug Use
3000 Alcohol and/or Drug Paraphernalia at Scene

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

Field Values
-25 Not Applicable
-5 Not Available
1 Yes

-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
Narrative
Definition

The narrative of the run report

Field Values

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>RunReportNarrative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>4,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Uses</th>
<th>Data Collector</th>
<th>Other Associated Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
<td>Part of an EMS Medical Record</td>
<td>EMS personnel but could be auto-generated based on the information entered into an electronic patient care report</td>
<td>E00 Common Null Values E01_01 Patient Care Report Number</td>
</tr>
<tr>
<td>-5 Not Available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-10 Not Known</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Relevant Value for Data Element &amp; Patient Care</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Assessment/
Vital Signs
**Definition**
Date/Time Vital Signs Taken

<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 Value</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: 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
Definition
Indicates that the information which is documented was obtained prior to the EMS unit's care creating this patient care report.

Field Values
-25 Not Applicable
-5 Not Available
1 Yes

Additional Information
- If E14_02 is “Yes”, the Date/Time Vital Signs Taken (E14_01) is not required.

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

Data Collector
- EMS personnel

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

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

**Data Format** [combo] multiple-choice

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

**Multiple Entry Configuration** (1) Yes, via structure. (2) Yes for each E14_01 Date/Time

**Accepts Null Value** 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  
-10 Not Known

-5 Not Available  
3005 12 Lead ECG-Anterior Ischemia

3010 12 Lead ECG-Inferior Ischemia  
3015 12 Lead ECG-Lateral Ischemia

3020 Agonal/Idioventricular  
3025 Artifact

3030 Asystole  
3035 Atrial Fibrillation/Flutter

3040 AV Block-1st Degree  
3045 AV Block-2nd Degree-Type 1

3050 AV Block-2nd Degree-Type 2  
3055 AV Block-3rd Degree

3060 Junctional  
3065 Left Bundle Branch Block

3070 Normal Sinus Rhythm  
3075 Other

3080 Paced Rhythm  
3085 PEA

3090 Premature Atrial Contractions  
3095 Premature Ventricular Contractions

3100 Right Bundle Branch Block  
3105 Sinus Arrhythmia

3110 Sinus Bradycardia  
3115 Sinus Tachycardia

3120 Supraventricular Tachycardia  
3125 Torsades De Points

3130 Unknown AED Non-Shockable Rhythm  
3135 Unknown AED Shockable Rhythm

3140 Ventricular Fibrillation  
3145 Ventricular Tachycardia

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

E00 Common Null Values  
E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

**References in NHTSA Version 1**

Desirable Element 66  
Initial Cardiac Rhythm
**SBP (SYSTOLIC BLOOD PRESSURE)**

**Data Format**  [number]

**Definition**

The patient's systolic blood pressure

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>SBP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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_01 Date/Time Vital Signs Taken
- E14_05 DBP (Diastolic Blood Pressure)
- E14_06 Method of Blood Pressure Measurement

**References in NHTSA Version 1**

Essential Element 70  Systolic Blood Pressure
DBP (DIASTOLIC BLOOD PRESSURE)

Data Format: [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 Value</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></td>
<td></td>
<td>Maximum Constraint</td>
<td>300</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
- E01_01 Patient Care Report Number
- E14_04 SBP (Systolic Blood Pressure)
- E14_05 DBP (Diastolic Blood Pressure)
- E14_06 Method of Blood Pressure Measurement

References in NHTSA Version 1
Essential Element 71  Diastolic Blood Pressure
**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 Value</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_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_01** Date/Time Vital Signs Taken
- **E14_04** SBP (Systolic Blood Pressure)
- **E14_05** DBP (Diastolic Blood Pressure)
**Pulse Rate**

**Data Format** [number]

**Definition**
The patient's pulse rate, palpated or auscultated, 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>PulseRate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes, but null value is blank or empty</td>
</tr>
</tbody>
</table>

**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
Definition

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

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Additional Information</th>
<th>Uses</th>
<th>Data Collector</th>
<th>Other Associated Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relevant Value for Data Element &amp; Patient Care</td>
<td>Could be collected from Device Heart Rate (E21_12)</td>
<td>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</td>
<td>EMS personnel or may be provided electronically through a medical device</td>
<td>E01_01 Patient Care Report Number, E14_01 Date/Time Vital Signs Taken</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Multiple Entry Configuration</th>
<th>Accepts Null Value</th>
<th>Required in XSD</th>
<th>Minimum Constraint</th>
<th>Maximum Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, via structure</td>
<td>Yes, but null value is blank or empty</td>
<td>No</td>
<td>0</td>
<td>500</td>
</tr>
</tbody>
</table>

XSD Structure: Each element is section E14 is associated with a E14_01 Date/Time
Definition
The patient's oxygen saturation

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
**PULSE RHYTHM**

**Data Format**  [combo] single-choice

**Definition**

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

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

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

**Field Values**

-25 Not Applicable
-10 Not Known
-5 Not Available
3175 Regular
3180 Irregular

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

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

**Section E14  Assessment/ Vital Signs**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition

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

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
RESPIRATORY EFFORT

Definition
The patient’s respiratory effort

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>RespiratoryEffort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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
-5 Not Available
3190 Labored
3200 Absent

-10 Not Known
3185 Normal
3195 Fatigued
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
- E14_01 Date/Time Vital Signs Taken
- E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 69 Respiratory Effort
Definition

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

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
BLOOD GLUCOSE LEVEL

Data Format [number]

Definition
The patient's blood glucose level

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>BloodGlucoseLevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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>2,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure: Each element in 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
Definition

The patient's Glasgow Coma Score Eye opening

Field Values

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

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

- E01_01 Patient Care Report Number
- E14_15 Glasgow Coma Score-Eye
- E14_16 Glasgow Coma Score-Verbal
- E14_17 Glasgow Coma Score-Motor
- E14_18 Glasgow Coma Score-Qualifier
- E14_19 Total Glasgow Coma Score

References in NHTSA Version 1

Essential Element 73 Glasgow Eye Opening Component
Definition

The patient's Glasgow Coma Score Verbal

**Data Format** [number]

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>GCSVerbal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes, but null value is blank or empty</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required in XSD</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>5</td>
</tr>
</tbody>
</table>

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**

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

**Additional Information**

- Can be configured as a single choice list box

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E01_01 Patient Care Report Number
- E14_01 Date/Time Vital Signs Taken
- E14_15 Glasgow Coma Score-Eye
- E14_16 Glasgow Coma Score-Motor
- E14_18 Glasgow Coma Score-Qualifier
- E14_19 Total Glasgow Coma Score

**References in NHTSA Version 1**

- Essential Element 74a Glasgow Verbal Component For patients >5 years
- Essential Element 74b Glasgow Verbal Component For patients 2-5 years
- Essential Element 74c Glasgow Verbal Component for patients 0-23 months
Definition
The patient's Glasgow Coma Score Motor

XSD Data Type  xs:integer  XSD Domain (Simple Type)  GCSMotor
Multiple Entry Configuration  Yes, via structure  Accepts Null Value  Yes, but null value is blank or empty
Required in XSD  No  Minimum Constraint  1  Maximum Constraint  6

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

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

Additional Information
- Can be configured as a single choice list box

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

Data Collector
- EMS personnel

Other Associated Elements
- E01_01  Patient Care Report Number
- E14_15  Glasgow Coma Score-Eye
- E14_18  Glasgow Coma Score-Qualifier
- E14_01  Date/Time Vital Signs Taken
- E14_16  Glasgow Coma Score-Verbal
- E14_19  Total Glasgow Coma Score

References in NHTSA Version 1
- Essential Element 75a  Glasgow Motor Component For patients >5 years
- Essential Element 75b  Glasgow Motor Component For patients up to 5 years
Definition

Documentation of factors which make the GCS score more meaningful.

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

Field Values

-25 Not Applicable
-5  Not Available

-10 Not Known
3210 Initial GCS has legitimate values without interventions such as intubation and sedation
3215 Patient Chemically Sedated
3220 Patient Intubated
3225 Patient Intubated and Chemically Paralyzed

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

<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>
**TOTAL GLASGOW COMA SCORE**

**Data Format** [number]

**Definition**
The patient's total Glasgow Coma Score

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>TotalGCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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</td>
</tr>
<tr>
<td>XSD Structure:</td>
<td>Each element is section E14 is associated with a E14_01 Date/Time</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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_01 Date/Time Vital Signs Taken
- E14_15 Glasgow Coma Score-Eye
- E14_16 Glasgow Coma Score-Verbal
- E14_17 Glasgow Coma Score-Motor
- E14_18 Glasgow Coma Score-Qualifier

**References in NHTSA Version 1**
- Desirable Element 76
- Glasgow Coma Score (Total)
**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 Value**  
Yes, but null value is blank or empty

**Required in XSD**  
No  
**Minimum Constraint**  
0  
**Maximum Constraint**  
50

XSD Structure: (1) Each element in section E14 is associated with an 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
TEMPERATURE METHOD

Data Format  [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>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>TemperatureMethod</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</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
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>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>XSD Structure: Each element in section E14 is associated with an E14_01 Date/Time</td>
<td></td>
</tr>
</tbody>
</table>

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available
3255 Alert
3260 Verbal
3265 Painful
3270 Unresponsive

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

Data Collector
- EMS personnel

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

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>PainScale</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes, but null value is blank or empty</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>10</td>
</tr>
</tbody>
</table>

**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
Definition
The patient’s Los Angeles or Cincinnati Stroke Scale Results

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

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

Field Values
-25 Not Applicable
-5 Not Available
3280 Cincinnati Stroke Scale Non-conclusive
3290 LA Stroke Scale Non-conclusive
3300 LA Stroke Scale Positive
-10 Not Known
3275 Cincinnati Stroke Scale Negative
3285 Cincinnati Stroke Scale Positive
3295 LA Stroke Scale Non-conclusive

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
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>
<th>ThrombolyticScreen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Field Values
-25 Not Applicable
-5 Not Available
3310 No Contraindications to Thrombolytic Use
3305 Definite Contraindications to Thrombolytic use
-10 Not Known
-5 Not Available

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

Field Values
- Relevant Value for Data Element & Patient Care

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

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

Data Collector
- EMS personnel

Other Associated Elements
- E01_01 Patient Care Report Number
- E14_01 Date/Time Vital Signs Taken
**Definition**

The patient's Revised Trauma Score

**Data Format** [number]

**XSD Data Type** xs:integer  
**XSD Domain (Simple Type)** RTS  
**Multiple Entry Configuration** Yes, via structure  
**Accepts Null Value** Yes, but null value is blank or empty  
**Required in XSD** No  
**Minimum Constraint** 0  
**Maximum Constraint** 12

**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
**Definition**

The Trauma Score for patients age 12 and under

**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:
  - 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

---

**XSD Data Type** | `xs:integer`
---|---
**XSD Domain (Simple Type)** | `PediatricTraumaScore`
**Multiple Entry Configuration** | Yes, via structure
**Accepts Null Value** | Yes, but null value is blank or empty
**Required in XSD** | No
**Minimum Constraint** | -6
**Maximum Constraint** | 12

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

---

**Section E14  Assessment/ Vital Signs**

*2006 NHTSA Uniform PreHospital Dataset V.2.2.1*
**Definition**
Type of injury identified and associated with the external body/Skin (including burns)

<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 Value</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
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
-10 Not Known
3320 Amputation
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
Definition
Type of injury identified and associated with the Head (excluding face, neck, cervical spine, and ear)

Field Values

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

Multiple Entry Configuration  Yes

Accepts Null Value  Yes

Required in XSD  No

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

-10 Not Known
3320 Amputation
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
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<td>Accepts Null Value</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
- **-5** Not Available
- **3325** Bleeding Controlled
- **3335** Burn
- **3345** Dislocation Fracture
- **3355** Laceration
- **3365** Puncture/stab
- **-10** Not Known
- **3320** Amputation
- **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
Definition

Type of injury identified and associated with the Neck

Field Values

-25 Not Applicable
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
-10 Not Known
3320 Amputation
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
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
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<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**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
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
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<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

- **-25** Not Applicable
- **-5** Not Available
- **3325** Bleeding Controlled
- **3335** Burn
- **3345** Dislocation Fracture
- **3355** Laceration
- **3365** Puncture/stab
- **-10** Not Known
- **3320** Amputation
- **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
Definition
Type of injury identified and associated with the 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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<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

Type of injury identified and associated with the Upper Extremities

<table>
<thead>
<tr>
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<th>XSD Domain (Simple Type)</th>
<th>NHTSAInjuryMatrix</th>
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<tbody>
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<tr>
<td>Required in XSD</td>
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<td></td>
</tr>
</tbody>
</table>

Field Values

-25 Not Applicable
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
3370 Soft Tissue Swelling/Brusing
3320 Amputation
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
**Definition**

Type of injury identified and associated with the Pelvis

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<tr>
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<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Values</th>
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<tr>
<td>-25 Not Applicable</td>
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<tr>
<td>-5 Not Available</td>
</tr>
<tr>
<td>3325 Bleeding Controlled</td>
</tr>
<tr>
<td>3335 Burn</td>
</tr>
<tr>
<td>3345 Dislocation Fracture</td>
</tr>
<tr>
<td>3355 Laceration</td>
</tr>
<tr>
<td>3365 Puncture/stab</td>
</tr>
<tr>
<td>-10 Not Known</td>
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<tr>
<td>3320 Amputation</td>
</tr>
<tr>
<td>3330 Bleeding Uncontrolled</td>
</tr>
<tr>
<td>3340 Crush</td>
</tr>
<tr>
<td>3350 Gunshot</td>
</tr>
<tr>
<td>3360 Pain without swelling/bruising</td>
</tr>
<tr>
<td>3370 Soft Tissue Swelling/Bruiising</td>
</tr>
</tbody>
</table>

**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
**Definition**

Type of injury identified and associated with the Lower Extremities

**Data Format**  
[combo] multiple-choice

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
NHTSAInjuryMatrix

**Multiple Entry Configuration**  
Yes

**Accepts Null Value**  
Yes

**Field Values**

-25 Not Applicable

-5 Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

-10 Not Known

3320 Amputation

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

**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
**Definition**

Type of injury identified and associated with Unspecified

<table>
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<tr>
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<tr>
<td>Multiple Entry Configuration</td>
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<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable  -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/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**

<table>
<thead>
<tr>
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<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
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</table>

**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
Assessment/
Exam
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<th>XSD Domain (Simple Type)</th>
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<tbody>
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<td>Accepts Null Value</td>
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<tr>
<td>Required in XSD</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>500</td>
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**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
Definition
The Broselow/Luten Color as take from the tape

<table>
<thead>
<tr>
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<th>XSD Domain (Simple Type)</th>
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<tbody>
<tr>
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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
-5 Not Available
3380 Green
3390 Orange
3400 Purple
3410 White
-10 Not Known
3375 Blue
3385 Grey
3395 Pink
3405 Red
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
**Definition**

The date/time assessment was made on the patient.

**Data Format**  [date/time]

**XSD Data Type**  `xs:dateTime`

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

**Multiple Entry Configuration**  Yes, via structure

**Accepts Null Value**  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 beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment 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 assessments to be documented.

**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
- 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
- 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
**SKIN ASSESSMENT**

**Data Format** [combo] multiple-choice

**Definition**

The assessment of the patient's skin on examination.

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

-5 Not Available

3425 Not Done

3435 Cold

3445 Jaundiced

3455 Mottled

3465 Warm

-10 Not Known

3420 Normal

3430 Clammy

3440 Cyanotic

3450 Lividity

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
Definition

The assessment of the patient’s face on examination

<table>
<thead>
<tr>
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<tbody>
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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
-5 Not Available
3475 Not Done
3485 Drainage
3495 Swelling

-10 Not Known
3470 Normal
3480 Asymmetric Smile or Droop
3490 Mass/Lesion

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

<table>
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<td>Required in XSD</td>
<td>No</td>
<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
-5 Not Available
3505 Not Done
3515 Strider
3525 Tracheal Dev
3500 Normal
3510 JVD
3520 SubQ Air

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
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 Value: 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
-5 Not Available
3535 Not Done
3545 Decreased BS-Left
3555 Flail Segment-Left
3565 Increased Effort
3575 Rales
3585 Tenderness-Left

-10 Not Known
3530 Normal
3540 Accessory Muscles
3550 Decreased BS-Right
3560 Flail Segment-Right
3570 Normal BS
3580 Rhonchi/Wheezing
3590 Tenderness-Right

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

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

Data Collector
- EMS personnel

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

**Data Format**  [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 Value** 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**

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<tr>
<td>3595</td>
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<tr>
<td>3605</td>
<td>Decreased Sounds</td>
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**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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<tr>
<td>E16_06</td>
<td>Neck Assessment</td>
</tr>
<tr>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
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<td>E16_10</td>
<td>Abdomen Left Lower Assessment</td>
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<td>E16_12</td>
<td>Abdomen Right Lower Assessment</td>
</tr>
<tr>
<td>E16_14</td>
<td>Back Cervical Assessment</td>
</tr>
<tr>
<td>E16_16</td>
<td>Back Lumbar/Sacral Assessment</td>
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<td>E16_20</td>
<td>Extremities-Left Lower Assessment</td>
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<td>E16_22</td>
<td>Eyes-Right Assessment</td>
</tr>
<tr>
<td>E16_24</td>
<td>Neurological Assessment</td>
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<table>
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<tbody>
<tr>
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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>
</tr>
<tr>
<td>E16_19</td>
<td>Extremities-Left Upper Assessment</td>
</tr>
<tr>
<td>E16_21</td>
<td>Eyes-Left Assessment</td>
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<tr>
<td>E16_23</td>
<td>Mental Status Assessment</td>
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</table>
ABDOMEN LEFT UPPER ASSESSMENT

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 Value Yes
Required in XSD No

Field Values
-25 Not Applicable   -10 Not Known
-5 Not Available   3615 Normal
3620 Not Done   3625 Distention
3630 Guarding   3635 Mass
3640 Tenderness

Additional Information
• Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
• EMS personnel

Other Associated Elements
E00 Common Null Values
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
### 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 Value
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
-5 Not Available
3650 Not Done
3660 Guarding
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

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<td>Neck Assessment</td>
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<td>Chest/Lungs Assessment</td>
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<td>Abdomen Left Upper Assessment</td>
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<tr>
<td>E16_12</td>
<td>Abdomen Right Lower Assessment</td>
<td>E16_13</td>
<td>GU Assessment</td>
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<td>E16_14</td>
<td>Back Cervical Assessment</td>
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<td>Back Thoracic Assessment</td>
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<td>Back Lumbar/Sacral Assessment</td>
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<td>Extremities-Right Upper Assessment</td>
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<td>Neurological Assessment</td>
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</table>
The assessment of the patient's right upper abdomen on examination

**Data Format** [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 Value** 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**

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<th>Value</th>
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<tr>
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</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
<td>3675</td>
<td>Normal</td>
</tr>
<tr>
<td>3680</td>
<td>Not Done</td>
<td>3685</td>
<td>Distention</td>
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<tr>
<td>3690</td>
<td>Guarding</td>
<td>3695</td>
<td>Mass</td>
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<td>3700</td>
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**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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<tr>
<td>Common Null Values</td>
<td>Date/Time of Assessment</td>
<td>Head/Face Assessment</td>
<td>Chest/Lungs Assessment</td>
<td>Abdomen Left Upper Assessment</td>
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<td>Back Cervical Assessment</td>
<td>Back Lumbar/Sacral Assessment</td>
<td>Extremities-Right Lower Assessment</td>
<td>Extremities-Left Lower Assessment</td>
<td>Eyes-Right Assessment</td>
<td>Neurological Assessment</td>
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<td>E16_01</td>
<td>E16_04</td>
<td>E16_06</td>
<td>E16_08</td>
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</table>
**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 Value**  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  -10 Not Known
  -5 Not Available  3705 Normal
  3710 Not Done  3715 Distention
  3720 Guarding  3725 Mass
  3730 Tenderness

**Additional Information**

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

**Uses**

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

**Data Collector**

EMS personnel

**Other Associated Elements**

- E00  Common Null Values
- 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
GU ASSESSMENT

**Data Format** [combo] multiple-choice

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

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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
-5 Not Available
3740 Not Done
3750 Genital Injury
3760 Unstable
-10 Not Known
3735 Normal
3745 Crowning
3755 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_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
**Definition**

The assessment of the patient's back-cervical on examination

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

**Multiple Entry Configuration**  Yes, via structure  
**Accepts Null Value**  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  
-5 Not Available  
3770 Not Done  
3780 Tender Para-spinous  

-10 Not Known  
3765 Normal  
3775 Pain to ROM  
3785 Tender Spinous Process

**Additional Information**

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

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values  
- E01_01 Patient Care Report Number  
- E16_03 Date/Time of Assessment  
- E16_04 Skin Assessment  
- E16_05 Head/Face Assessment  
- E16_06 Neck Assessment  
- E16_07 Chest/Lungs Assessment  
- E16_08 Heart Assessment  
- E16_09 Abdomen Left Upper Assessment  
- E16_10 Abdomen Left Lower Assessment  
- E16_11 Abdomen Right Upper Assessment  
- E16_12 Abdomen Right Lower Assessment  
- E16_13 GU Assessment  
- E16_14 Back Thoracic Assessment  
- E16_15 Extremities-Right Upper Assessment  
- E16_16 Extremities-Right Lower Assessment  
- E16_17 Extremities-Left Upper Assessment  
- E16_18 Extremities-Left Lower Assessment  
- E16_19 Eyes-Left Assessment  
- E16_20 Neurological Assessment  
- E16_21 Mental Status Assessment  
- E16_22 Eyes-Right Assessment  
- E16_23 Extremities-Right Lower Assessment  
- E16_24 Extremities-Right Upper Assessment
**Definition**

The assessment of the patient's back-thoracic on examination

<table>
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<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<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>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable  
-5 Not Available  
3795 Not Done  
3805 Tender Para-spinous  
-10 Not Known  
3790 Normal  
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**

- E0 Common Null Values  
- E01_01 Patient Care Report Number  
- E16_03 Date/Time of Assessment  
- E16_04 Skin Assessment  
- E16_05 Head/Face Assessment  
- E16_06 Neck Assessment  
- E16_07 Chest/Lungs Assessment  
- E16_08 Heart Assessment  
- E16_09 Abdomen Left Upper Assessment  
- E16_10 Abdomen Left Lower Assessment  
- E16_11 Abdomen Right Upper Assessment  
- E16_12 Abdomen Right Lower Assessment  
- E16_13 GU Assessment  
- E16_14 Back Cervical Assessment  
- E16_16 Back Lumbar/Sacral Assessment  
- E16_17 Extremities-Right Upper Assessment  
- E16_18 Extremities-Right Lower Assessment  
- E16_19 Extremities-Left Upper Assessment  
- E16_20 Extremities-Left Lower Assessment  
- E16_21 Eyes-Left Assessment  
- E16_22 Eyes-Right Assessment  
- E16_23 Mental Status Assessment  
- E16_24 Neurological Assessment
The assessment of the patient's back-lumbar/sacral on examination

**Definition**

**Data Format** [combo] multiple-choice

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

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

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>3820</td>
<td>Not Done</td>
</tr>
<tr>
<td>3830</td>
<td>Tender Para-spinous</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>3815</td>
<td>Normal</td>
</tr>
<tr>
<td>3825</td>
<td>Pain to ROM</td>
</tr>
<tr>
<td>3835</td>
<td>Tender Spinous Process</td>
</tr>
</tbody>
</table>

**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  Extremities-Right Upper Assessment
- E16_17  Extremities-Right Lower Assessment
- E16_18  Extremities-Left Upper Assessment
- E16_19  Extremities-Left Lower Assessment
- E16_20  Eyes-Right Assessment
- E16_21  Eyes-Left Assessment
- E16_22  Mental Status Assessment
- E16_23  Neurological Assessment
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 Value**  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  -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
Definition

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

Field Values

-25 Not Applicable  -10 Not Known
-5 Not Available  3875 Normal
3880 Not Done  3885 Abnormal Pulse
3890 Abnormal Sensation  3895 Edema
3900 Tenderness  3905 Weakness

Additional Information

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

Uses

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

Data Collector

● EMS personnel

Other Associated Elements

E00  Common Null Values  E01_01  Patient Care Report Number
E16_03  Date/Time of Assessment  E16_04  Skin Assessment
E16_05  Head/Face Assessment  E16_06  Neck Assessment
E16_07  Chest/Lungs Assessment  E16_08  Heart Assessment
E16_09  Abdomen Left Upper Assessment  E16_10  Abdomen Left Lower Assessment
E16_11  Abdomen Right Upper Assessment  E16_12  Abdomen Right Lower Assessment
E16_13  GU Assessment  E16_14  Back Cervical Assessment
E16_15  Back Thoracic Assessment  E16_16  Back Lumbar/Sacral Assessment
E16_17  Extremities-Right Upper Assessment  E16_19  Extremities-Left Upper Assessment
E16_20  Extremities-Left Upper Assessment  E16_21  Eyes-Left Assessment
E16_22  Eyes-Right Assessment  E16_23  Mental Status Assessment
E16_24  Neurological Assessment
The assessment of the patient's left upper extremities on examination

**Field Values**
-25 Not Applicable
-5 Not Available
3915 Not Done
3925 Abnormal Sensation
3935 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_13 GU Assessment
- E16_15 Back Thoracic Assessment
- E16_17 Extremities-Right Upper Assessment
- E16_20 Extremities-Left Lower Assessment
- E16_22 Eyes-Right Assessment
- E16_24 Neurological Assessment

---

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

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

<table>
<thead>
<tr>
<th>Field Values</th>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Multiple Entry Configuration</th>
<th>Required in XSD</th>
<th>Accepts Null Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>xs:integer</td>
<td>ExtremitiesLeftLowerAssessment</td>
<td>Yes, via structure</td>
<td>No</td>
<td>Yes</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
- `-5` Not Available
- `-10` Not Known
- `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**

<table>
<thead>
<tr>
<th>E00</th>
<th>E00_01</th>
<th>E01_01</th>
<th>E01_03</th>
<th>E01_04</th>
<th>E16_03</th>
<th>E16_05</th>
<th>E16_06</th>
<th>E16_07</th>
<th>E16_08</th>
<th>E16_09</th>
<th>E16_10</th>
<th>E16_11</th>
<th>E16_12</th>
<th>E16_13</th>
<th>E16_14</th>
<th>E16_15</th>
<th>E16_16</th>
<th>E16_17</th>
<th>E16_18</th>
<th>E16_19</th>
<th>E16_20</th>
<th>E16_21</th>
<th>E16_22</th>
<th>E16_23</th>
<th>E16_24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Null Values</td>
<td>Patient Care Report Number</td>
<td>Date/Time of Assessment</td>
<td>Skin Assessment</td>
<td>Head/Face Assessment</td>
<td>Neck Assessment</td>
<td>Chest/Lungs Assessment</td>
<td>Heart Assessment</td>
<td>Abdomen Left Upper Assessment</td>
<td>Abdomen Left Lower Assessment</td>
<td>Abdomen Right Upper Assessment</td>
<td>Abdomen Right Lower Assessment</td>
<td>GU Assessment</td>
<td>Back Cervical Assessment</td>
<td>Back Lumbar/Sacral Assessment</td>
<td>Extremities-Right Upper Assessment</td>
<td>Extremities-Right Lower Assessment</td>
<td>Extremities-Left Upper Assessment</td>
<td>Eyes-Left Assessment</td>
<td>Eyes-Right Assessment</td>
<td>Mental Status Assessment</td>
<td>Neurological Assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Definition**

The assessment of the patient's left eye on examination

---

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

**Multiple Entry Configuration** : Yes, via structure  
**Accepts Null Value** : 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
-5  Not Available
3985  2-mm
3995  4-mm
4005  6-mm
4015  Blind
4025  Non-Reactive

**-10  Not Known**

-  

**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**

- 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

---

Section E16  
Assessment/Exam  
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Definition
The assessment of the patient's right eye on examination

XSD Data Type \( xs:integer \)  XSD Domain (Simple Type) \( \text{EyeRightAssessment} \)
Multiple Entry Configuration Yes, via structure Accepts Null Value 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 -10 Not Known
-5 Not Available 4030 Not Done
4035 2-mm 4040 3-mm
4045 4-mm 4050 5-mm
4055 6-mm 4060 7-mm
4065 Blind 4070 Reactive
4075 Non-Reactive

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

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

Data Collector
- EMS personnel

Other Associated Elements
E00 Common Null Values
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
**Definition**
The assessment of the patient's mental status on examination

**XSD Data Type**  \( \text{xs:integer} \)
**XSD Domain (Simple Type)**  \( \text{MentalStatusAssessment} \)
**Multiple Entry Configuration**  Yes, via structure
**Accepts Null Value**  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
- 5 Not Available

- 4085 Not Done
- 4095 Confused
- 4105 Oriented-Person
- 4115 Oriented-Time

- 4080 Normal
- 4090 Combative
- 4110 Oriented-Place
- 4120 Unresponsive

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- 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
### Definition
The assessment of the patient's neurological status on examination

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>NeurologicalAssessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<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
-5 Not Available
4130 Not Done
4140 Facial Droop
4150 Speech Normal
4160 Tremors
4170 Weakness-Right Sided
-10 Not Known
4125 Normal
4135 Abnormal Gait
4145 Seizures
4155 Speech Slurring
4165 Weakness-Left Sided

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

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

### Data Collector
EMS personnel

### Other Associated Elements
- **E00** Common Null Values
- **E01_01** Patient Care Report Number
- **E16_03** Date/Time of Assessment
- **E16_04** Skin Assessment
- **E16_05** Head/Face Assessment
- **E16_06** Neck Assessment
- **E16_07** Chest/Lungs Assessment
- **E16_08** Heart Assessment
- **E16_09** Abdomen Left Upper Assessment
- **E16_10** Abdomen Left Lower Assessment
- **E16_11** Abdomen Right Upper Assessment
- **E16_12** Abdomen Right Lower Assessment
- **E16_13** GU Assessment
- **E16_14** Back Cervical Assessment
- **E16_15** Back Thoracic Assessment
- **E16_16** Back Lumbar/Sacral Assessment
- **E16_17** Extremities-Right Upper Assessment
- **E16_18** Extremities-Right Lower Assessment
- **E16_19** Extremities-Left Upper Assessment
- **E16_20** Extremities-Left Lower Assessment
- **E16_21** Eyes-Left Assessment
- **E16_22** Eyes-Right Assessment
- **E16_23** Mental Status Assessment
Intervention
**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>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>ProtocolsUsed</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
</tr>
<tr>
<td>Accepts Null Value</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>30</td>
</tr>
</tbody>
</table>

**Field Values**

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

**Additional Information**

- List created from Protocols (D04_08)

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
Intervention/ Medication
**Definition**

The date/time medication administered to 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 Value</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></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</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
- 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
- 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
Definition
Indicates that the medication administration which is documented was administered prior to this EMS unit's care.

Field Values
-25 Not Applicable
-5 Not Available
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
**Definition**

The medication given to the patient

**XSD Data Type**  
`xs:string`

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

**Required in XSD**  
Yes

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Value**  
Yes

**Minimum Constraint**  
2

**Maximum Constraint**  
30

**Field Values**

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

- Relevant Value for Data Element & Patient Care

**Additional Information**

- List created from Medications (D04_06)

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E18_01 Date/Time Medication Administered
- E18_04 Medication Administered Route
- E18_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 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, Cardiovversion (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
**Definition**

The route that the medication was administered to the patient.

**Data Format**  [combo] single-choice

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

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

**Field Values**

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

**Uses**

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

**Data Collector**

EMS personnel

**Other Associated Elements**

| E00 | Common Null Values |
| E18_01 | Date/Time Medication Administered |
| E18_02 | Medication Administered Prior to this Units EMS Care |
| E18_03 | Medication Given |
| E18_05 | Medication Dosage |
| E18_06 | Medication Dosage Units |
| E18_07 | Response to Medication |
| E18_08 | Medication Complication |
| E18_09 | Medication Crew Member ID |
| E18_10 | Medication Authorization |
| E18_11 | Medication Authorizing Physician |

**References to Other Databases**

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

**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_02 Medication Administered Prior to this Units
- E18_03 Medication Given
- E18_04 Medication Administered Route
- E18_05 Response to Medication
- E18_06 Medication Crew Member ID
- E18_07 Medication Authorizing Physician
- E18_08 Medication Dosage Units
- E18_09 Medication Complication
- E18_10 Medication Authorization

**XSD Data Type** xs:decimal
**XSD Domain (Simple Type)** MedicationDosage
**Multiple Entry Configuration** Yes, via structure
**Accepts Null Value** 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

**Minimum Constraint** 0
**Maximum Constraint** 1,000,000

---

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4295</td>
<td>GMS</td>
</tr>
<tr>
<td>4305</td>
<td>IU</td>
</tr>
<tr>
<td>4315</td>
<td>L/MIN</td>
</tr>
<tr>
<td>4325</td>
<td>LPM</td>
</tr>
<tr>
<td>4335</td>
<td>MCG/KG/MIN</td>
</tr>
<tr>
<td>4345</td>
<td>MG</td>
</tr>
<tr>
<td>4355</td>
<td>ML</td>
</tr>
<tr>
<td>4365</td>
<td>Other</td>
</tr>
<tr>
<td>4300</td>
<td>Inches</td>
</tr>
<tr>
<td>4310</td>
<td>KVO (TKO)</td>
</tr>
<tr>
<td>4320</td>
<td>LITERS</td>
</tr>
<tr>
<td>4330</td>
<td>MCG</td>
</tr>
<tr>
<td>4340</td>
<td>MEQ</td>
</tr>
<tr>
<td>4350</td>
<td>MG/KG/MIN</td>
</tr>
<tr>
<td>4360</td>
<td>ML/HR</td>
</tr>
<tr>
<td>4370</td>
<td>Puffs</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**

- 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_07  Response to Medication
- E18_08  Medication Complication
- E18_09  Medication Crew Member ID
- E18_10  Medication Authorization
- E18_11  Medication Authorizing Physician

---

**References to Other Databases**

- DEEDS  DEEDS/HL-7 Version 2.3
**Definition**

The patient’s response to the medication.

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

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
4380 Unchanged  
4375 Improved  
4385 Worse

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

<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>E18_01</td>
<td>Date/Time Medication Administered</td>
<td>E18_02</td>
<td>Medication Administered Prior to this Units EMS Care</td>
</tr>
<tr>
<td>E18_03</td>
<td>Medication Given</td>
<td>E18_04</td>
<td>Medication Administered Route</td>
</tr>
<tr>
<td>E18_05</td>
<td>Medication Dosage</td>
<td>E18_06</td>
<td>Medication Dosage Units</td>
</tr>
<tr>
<td>E18_08</td>
<td>Medication Complication</td>
<td>E18_09</td>
<td>Medication Crew Member ID</td>
</tr>
<tr>
<td>E18_10</td>
<td>Medication Authorization</td>
<td>E18_11</td>
<td>Medication Authorizing Physician</td>
</tr>
</tbody>
</table>
**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 Value** Yes

**Required in XSD** Yes

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

**Field Values**

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

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

<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>E18_01</td>
<td>Date/Time Medication Administered</td>
<td>E18_02</td>
<td>Medication Administered Prior to this Units EMS Care</td>
</tr>
<tr>
<td>E18_03</td>
<td>Medication Given</td>
<td>E18_04</td>
<td>Medication Administered Route</td>
</tr>
<tr>
<td>E18_05</td>
<td>Medication Dosage</td>
<td>E18_06</td>
<td>Medication Dosage Units</td>
</tr>
<tr>
<td>E18_07</td>
<td>Response to Medication</td>
<td>E18_09</td>
<td>Medication Crew Member ID</td>
</tr>
<tr>
<td>E18_10</td>
<td>Medication Authorization</td>
<td>E18_11</td>
<td>Medication Authorizing Physician</td>
</tr>
</tbody>
</table>
**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>CrewMemberID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Field Values**

-25 Not Applicable  
-5 Not Available  
-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
**Definition**
The type of treatment authorization obtained

<table>
<thead>
<tr>
<th>Data Format</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>combo</td>
<td>single-choice</td>
<td></td>
</tr>
</tbody>
</table>

** Médication Authorization
**

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

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

**Field Values**
-25 Not Applicable  
-10 Not Known  
-5 Not Available  
4480 On-Line  
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_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 Authorizing Physician

**References in NHTSA Version 1**
Desirable Element 81 Treatment Authorization
**Definition**

The last name of the authorizing physician ordering the medication administration if the order was provided by any manner other than protocol (standing order) in E18.10.

**XSD Data Type**  
`xs:string`

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

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Value**  
Yes

**Required in XSD**  
No

**Minimum Constraint**  
2

**Maximum Constraint**  
20

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

**Field Values**

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Known

-25 Not Applicable  
-10 Not Known

-5 Not Available  
-10 Not Know
Intervention/Procedure
DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

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

**Data Format** [date/time]

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

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

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

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

**Field Values**
- 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**
- E01_01 Patient Care Report Number
- E19_02 Procedure Performed Prior to this Units EMS Care
- E19_03 Procedure
- E19_04 Size of Procedure Equipment
- E19_05 Number of Procedure Attempts
- E19_06 Procedure Successful
- E19_07 Procedure Complication
- E19_08 Response to Procedure
- E19_09 Procedure Crew Members ID
- E19_10 Procedure Authorization
- E19_11 Procedure Authorizing Physician
- E19_12 Successful IV Site
- E19_13 Tube Confirmation
- E19_14 Destination Confirmation of Tube Placement

**References in NHTSA Version 1**
- Desirable Element 58  Time of First CPR
- Desirable Element 63  Time of First Defibrillatory Shock

---

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**E19_02**

**Definition**
Indicates that the procedure which was performed and documented was performed prior to this EMS unit’s care.

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

**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
-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**

<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>E19_01</td>
<td>Date/Time Procedure Performed Successfully</td>
<td>E19_03</td>
<td>Procedure</td>
</tr>
<tr>
<td>E19_04</td>
<td>Size of Procedure Equipment</td>
<td>E19_05</td>
<td>Number of Procedure Attempts</td>
</tr>
<tr>
<td>E19_06</td>
<td>Procedure Successful</td>
<td>E19_07</td>
<td>Procedure Complication</td>
</tr>
<tr>
<td>E19_08</td>
<td>Response to Procedure</td>
<td>E19_09</td>
<td>Procedure Crew Members ID</td>
</tr>
<tr>
<td>E19_10</td>
<td>Procedure Authorization</td>
<td>E19_11</td>
<td>Procedure Authorizing Physician</td>
</tr>
</tbody>
</table>
**PROCEDURE**

**Definition**

The procedure performed on the patient.

**XSD Data Type** \( \text{xs:decimal} \)

**XSD Domain (Simple Type)** Procedure

**Multiple Entry Configuration** Yes, via structure

**Accepts Null Value** Yes

**Required in XSD** Yes

**Minimum Constraint** 0

**Maximum Constraint** 1,000

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

**Field Values**

-25 Not Applicable

-10 Not Known

-15 Not Reporting

-5 Not Available

- Relevant Value for Data Element & Patient Care

**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
**Definition**

The size of equipment used in the procedure on the patient

**Data Format** [text]

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>SizeOfProcedureEquipment</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</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>20</td>
</tr>
</tbody>
</table>

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

**Field Values**

-25 Not Applicable  
-10 Not Known  
-5 Not Available  
- Relevant Value for Data Element & Patient Care

**Additional Information**

- Can be entered as text or configured as a List Box with the specific size associated with each Procedure listed for each EMS Agency (D04_04) in the Demographic Dataset

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Date/Time Procedure Performed Successfully  
- E19_02 Procedure Performed Prior to this Units EMS Care  
- E19_03 Procedure  
- E19_05 Number of Procedure Attempts  
- E19_06 Procedure Successful  
- E19_07 Procedure Complication  
- E19_08 Response to Procedure  
- E19_09 Procedure Crew Members ID  
- E19_10 Procedure Authorization  
- E19_11 Procedure Authorizing Physician

**References in NHTSA Version 1**

Essential Element 78 Procedure or Treatment Name

---

Section E19 Intervention/ Procedure

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**Definition**

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

**XSD Data Type**  \( \text{xs:integer} \)  
**XSD Domain (Simple Type)**  \( \text{NumberOfProcedureAttempts} \)  
**Multiple Entry Configuration**  Yes, via structure  
**Accepts Null Value**  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  
-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  
- E01_01  Patient Care Report Number  
- E19_01  Date/Time Procedure Performed Successfully  
- E19_02  Procedure Performed Prior to this Units EMS Care  
- E19_03  Procedure  
- E19_04  Size of Procedure Equipment  
- E19_06  Procedure Successful  
- E19_07  Procedure Complication  
- E19_08  Response to Procedure  
- E19_09  Procedure Crew Members ID  
- E19_10  Procedure Authorization  
- E19_11  Procedure Authorizing Physician
**Definition**

Indication of whether or not the procedure performed on the patient was successful

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

-25 Not Applicable  
-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>Common Null Values</th>
<th>E01_01</th>
<th>Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E19_01</td>
<td>Date/Time Procedure Performed Successfully</td>
<td>E19_02</td>
<td>Procedure Performed Prior to this Units EMS Care</td>
</tr>
<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_07</td>
<td>Procedure Complication</td>
</tr>
<tr>
<td>E19_08</td>
<td>Response to Procedure</td>
<td>E19_09</td>
<td>Procedure Crew Members ID</td>
</tr>
<tr>
<td>E19_10</td>
<td>Procedure Authorization</td>
<td>E19_11</td>
<td>Procedure Authorizing Physician</td>
</tr>
</tbody>
</table>
**Definition**

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

**Field Values**

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Required in XSD</th>
<th>Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>xs:integer</td>
<td>ProcedureComplication</td>
<td>Yes</td>
<td>● Allows data to be sorted based on procedure complication</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>● 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</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>● Part of an EMS Medical Record</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>● Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>● Used in Quality Management for the evaluation of Care and EMS Agency Performance</td>
</tr>
</tbody>
</table>

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Date/Time Procedure Performed Successfully
- E19_03 Procedure
- E19_05 Number of Procedure Attempts
- E19_08 Response to Procedure
- E19_10 Procedure Authorization

**Data Collector**

- EMS personnel
RESPONSE TO PROCEDURE

**Data Format** [combo] single-choice

**Definition**
The patient’s response to the procedure

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ResponseToProcedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</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**
-25 Not Applicable
-10 Not Known
-5 Not Available
-10 Not Available
4600 Improved
4605 Unchanged
4610 Worse

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

**Data Collector**
EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number
- E19_01 Date/Time Procedure Performed Successfully
- E19_02 Procedure Performed Prior to this Units EMS Care
- E19_03 Procedure
- E19_04 Size of Procedure Equipment
- E19_05 Number of Procedure Attempts
- E19_06 Procedure Successful
- E19_07 Procedure Complication
- E19_09 Procedure Crew Members ID
- E19_10 Procedure Authorization
- E19_11 Procedure Authorizing Physician

Section E19 Intervention/Procedure

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

**Data Format**  [text]

**Definition**

The statewide assigned ID number of the EMS crew member performing the procedure on the patient.

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

**Multiple Entry Configuration**  Yes, via structure

**Accepts Null Value**  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

-10 Not Known

-5 Not Available

- 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 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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
<th>E19_01</th>
<th>Date/Time Procedure Performed Successfully</th>
</tr>
</thead>
<tbody>
<tr>
<td>E19_02</td>
<td>Procedure Performed Prior to this Units EMS Care</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_03</td>
<td>Procedure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_04</td>
<td>Size of Procedure Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_05</td>
<td>Number of Procedure Attempts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_06</td>
<td>Procedure Successful</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_07</td>
<td>Procedure Complication</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_08</td>
<td>Response to Procedure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E19_10</td>
<td>Procedure Authorization</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
**Definition**

The type of procedure authorization obtained.

**Field Values**

-25 Not Applicable
-5 Not Available
4620 On-Scene
4630 Written Orders (Patient Specific)

**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**

- E00 Common Null Values
- E19_01 Date/Time Procedure Performed Successfully
- E19_03 Procedure
- E19_05 Number of Procedure Attempts
- E19_07 Procedure Complication
- E19_09 Procedure Crew Members ID
- E19_02 Procedure Performed Prior to this Unit’s 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**

Desirable Element 81: Treatment Authorization

---

**Section E19 Intervention/Procedure**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition
The last name of the authorizing physician ordering the procedure, if the order was provided by any manner other than protocol (standing order).

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known

Additional Information
- Associated with Procedure Authorization (E19_10) if the value is not “Protocol”

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

Data Collector
EMS personnel

Other Associated Elements
E00 Common Null Values
E19_01 Date/Time Procedure Performed Successfully
E19_03 Procedure
E19_05 Number of Procedure Attempts
E19_07 Procedure Complication
E19_09 Procedure Crew Members ID

Section E19 Intervention/ Procedure
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**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 Value</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
-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

-10 Not Known
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

---

**Section E19  Intervention/ Procedure**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition

Endotracheal Tube placement verification at the time the airway procedure was done.

Field Values

<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 Value</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

-25 Not Applicable

-5 Not Available

4740 Colormetric CO2 Detector Confirmation

4750 Esophageal Bulb Aspiration confirmation

4760 Visualization of the Chest Rising with ventilation

4770 Waveform CO2 Confirmation

-10 Not Known

4735 Auscultation of Bilateral Breath Sounds

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

<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>
<tr>
<td>E19_03</td>
<td>Procedure</td>
</tr>
</tbody>
</table>
**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 Value**  
Yes

**Required in XSD**  
No

---

**Field Values**

-25  
Not Applicable

-5  
Not Available

-10  
Not Known

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
Disposition
**Definition**

The destination 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>DestinationTransferredToID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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

-5 Not Available

-10 Not Known

-10 Relevant Value for Data Element & Patient Care

**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
**Definition**

The code of the destination the patient was delivered or transferred to, if present and available.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>DestinationTransferredToCode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
-10 Not Known

- Relevant Value for Data Element & Patient Care

**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
Definition

The street address of the destination 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>StreetAddress</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>30</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
- **-5** Not Available
- **-10** Not Known
- **●** 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
- **E01_01** Patient Care Report Number
- **E20_01** Destination/Transferred To, Name
- **E20_04** Destination City
- **E20_05** Destination State
- **E20_07** Destination Zip Code
**Definition**

The city name of the destination 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>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**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
- 10 Not Known
- 5 Not Available
- 10 Not Known

**Additional Information**

- 5 digit FIPS Code
- Could be filled in from Destination Zip Code (E20_07)

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E20_01 Destination/Transferred To, Name
- E20_03 Destination Street Address
- E20_05 Destination State
- E20_07 Destination Zip Code
**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>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>State</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable

-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 Destination Zip Code (E20_07)

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E02_01 Destination/Transferred To, Name
- E20_03 Destination Street Address
- E20_04 Destination City
- E20_05 Destination State
- E20_07 Destination Zip Code
Definition
The destination County in which the patient was delivered or transferred to

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

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

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

### Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number
- E20_01 Destination/Transferred To, Name

---

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

**Multiple Entry Configuration**: No  
**Accepts Null Value**: Yes

**Required in XSD**: No  
**Minimum Constraint**: 2  
**Maximum Constraint**: 5
**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>
<th>XSD Domain (Simple Type)</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>10</td>
<td></td>
<td></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
-10 Not Known
-15 Not Reporting
-5 Not Available

● Relevant Value for Data Element & Patient Care

**Additional Information**

- Can be 5 or 9 digit Zip Code

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E20_01 Destination/Transferred To, Name
- E20_03 Destination Street Address
- E20_04 Destination City
- E20_05 Destination State
**Definition**

The destination GPS coordinates to which the patient was delivered or transferred to.

---

### Field Values

- Relevant Value for Data Element & Patient Care

- **Uses**
  - 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**
  - **E01_01** Patient Care Report Number
  - **E20_01** Destination/Transferred To, Name
Definition
The zone number of the destination the patient was delivered or transferred to

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known
❍ Relevant Value for Data Element & Patient Care

Additional Information
❍ Created from Zones (D04_03)
❍ Systems using GPS typically do not need to document or create Zones

Uses
❍ 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
Definition
Type of disposition treatment and/or transport of the patient.

Field Values

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

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, Transferred 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
**Definition**

The method the patient was moved to the ambulance from the scene

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

**Field Values**

- **-25** Not Applicable
- **-5** Not Available
- **4870** Carry
- **4880** Stretcher
- **4865** Assisted/Walk
- **4875** Stairchair
- **4885** Other

**Uses**

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

**Data Collector**

- EMS personnel

**Other Associated Elements**

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

The position of the patient during transport from the scene

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>PositionOfPatientDuringTransport</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
4895 Fowlers
4905 Prone
4915 Sitting
4925 Other
-10 Not Known
4890 Car Seat
4900 Lateral
4910 Semi-Fowlers
4920 Supine

Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

Data Collector

- EMS personnel

Other Associated Elements

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

The method the patient was moved from the ambulance to the destination

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>HowPatientWasTransportedFromAmbulance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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
-5 Not Available
4935 Carry
4945 Stretcher
4930 Assisted/Walk
4940 Stairchair
4950 Other

**Uses**

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

**Data Collector**

- EMS personnel

**Other Associated Elements**

<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>
**Definition**

Indication whether or not lights and/or sirens were used on the vehicle while leaving scene

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

**Field Values**

- -25 Not Applicable
- -10 Not Known
- 4955 Initial Lights and Sirens, Downgraded to No Lights or Sirens
- 4960 Initial No Lights or Sirens, Upgraded to Lights and Sirens
- 4965 Lights and Sirens
- 4970 No Lights or Sirens

**Uses**

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the transportation mode
- Allows data to describe transportation mode used by EMS

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

Essential Element 46 Lights and Sirens used from the Scene
Condition of Patient After Care by EMS

**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 Value</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

-10 Not Known

-5 Not Available

4975 Improved

4980 Unchanged

4985 Worse

**Uses**
- Outcome indicator
- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Patient Status; The patient’s status when transferred to another agency.; Pick-List: Improved = 1, Remained Same = 2, Worsened = 3
Definition
The reason the unit chose to deliver or transfer the patient to the destination

Field Values
-25 Not Applicable
-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
4995 Diversion
5005 Insurance Status
5015 On-Line Medical Direction
5025 Patient Choice
5035 Protocol

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
Definition
The type of destination the patient was delivered or transferred to

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>Tipo de Destino</td>
</tr>
<tr>
<td>Accepts Null Value</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Multiple Entry Configuration: No

Required in XSD: Yes

Field Values
-25 Not Applicable
-10 Not Known
-15 Not Reporting
-5 Not Available
5045 Home
5055 Medical Office/Clinic
5065 Nursing Home
5075 Other EMS Responder (air)
5085 Police/Jail
5050 Hospital
5060 Morgue
5070 Other
5080 Other EMS Responder (ground)

Uses
- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted or grouped based on the EMS transports destination type
- Allows data to describe EMS patient’s destination type

Data Collector
EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name

References in NHTSA Version 1
Essential Element 44 Destination/Transferred To
Medical Device Data
**EVENT DATE/TIME**

**Data Format** [date/time]

**Definition**

The time of the event recorded by the device’s internal clock

<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 Value</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></td>
<td></td>
<td>Maximum Constraint</td>
<td>2,030</td>
</tr>
</tbody>
</table>

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Depending on whether this is a Procedure or a Vital Sign, this can be merged into Date/Time Vital Taken (E14_01) or Date/Time Procedure Performed Successfully (E19_01)
- 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 associated with the entire Medical Device Section (E21) to allow multiple sets of device data to be entered

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

- E01_01 Patient Care Report Number
MEDICAL DEVICE EVENT NAME

**Data Format**  [text]

**Definition**

The type of event documented by the medical device.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>MedicalDeviceEventID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>Yes</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 E21 is associated with a E21_01 Date/Time.

**Field Values**

-25  Not Applicable
-5   Not Available
5095 Analysis (Button Pressed)
5105 Date Transmitted
5115 ECG-Monitor
5125 Invasive Pressure 1
5135 No Shock Advised
5145 Pacing Electrical Capture
5155 Pacing Stopped
5165 Power On
5175 Pulse Rate
5185 Shock Advised
5195 Sync On
5090 12-Lead ECG
5100 CO2
5110 Defibrillation
5120 Heart Rate
5130 Invasive Pressure 2
5140 Non-Invasive BP
5150 Pacing Started
5160 Patient Connected
5170 Pulse Oximetry
5180 Respiratory Rate
5190 Sync Off

**Additional Information**

- Depending on the event, this data can be merged with Vital Sign or Procedure Data defined in Sections E14 and E19

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

E00  Common Null Values
E01_01 Patient Care Report Number
E21_01 Event Date/Time
**Definition**

The type of waveform file stored in Waveform Graphic (E21.4)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>WaveformGraphicType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, as associated with E21_01 Date/Time</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
</tbody>
</table>

**Required in XSD** No

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time. (2) E21_03 and E21_04 are elements of E23_03_0 Waveform Structure.

**Field Values**

| 5200 JPG | 5205 PDF |

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E01_01 Patient Care Report Number</th>
<th>E21_01 Event Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>E21_02 Medical Device Event Name</td>
<td>E21_04 Waveform Graphic</td>
</tr>
</tbody>
</table>
**Definition**

The graphic waveform file in a PDF or JPG format.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:base64Binary</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>WaveformGraphic</td>
</tr>
</tbody>
</table>

**Multiple Entry Configuration** Yes, as associated with E21_01 Date/Time

**Required in XSD** No

**Accepts Null Value** No

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time. (2) E21_03 and E21_04 are elements of E23_03_0 Waveform Structure.

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
- E21_03 Waveform Graphic Type

---

**Section E21 Medical Device Data**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
AED, PACING, OR CO2 MODE

Definition

The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event)

Field Values

| 5210 | Automated |
| 5220 | Advisory  |
| 5230 | Sensing   |
| 5240 | Side-Stream |
| 5215 | Manual    |
| 5225 | Demand    |
| 5235 | Mid-Stream |

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

- E01_01  Patient Care Report Number
- E21_01  Event Date/Time
- E21_02  Medical Device Event Name
Definition
The lead or source which the medical device used to obtain the rhythm (if appropriate for the event)

Field Values

<table>
<thead>
<tr>
<th>Data Format</th>
<th>E21_06</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>XSD Data Type</strong></td>
<td>xs:integer</td>
</tr>
<tr>
<td><strong>XSD Domain (Simple Type)</strong></td>
<td>ECGLead</td>
</tr>
<tr>
<td><strong>Multiple Entry Configuration</strong></td>
<td>Yes, via structure</td>
</tr>
<tr>
<td><strong>Accepts Null Value</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Required in XSD</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element is section E21 is associated with an E21_01 Date/Time.

Field Values

<table>
<thead>
<tr>
<th>ID</th>
<th>Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>5245</td>
<td>I</td>
</tr>
<tr>
<td>5255</td>
<td>III</td>
</tr>
<tr>
<td>5265</td>
<td>AVL</td>
</tr>
<tr>
<td>5275</td>
<td>V1</td>
</tr>
<tr>
<td>5285</td>
<td>V3</td>
</tr>
<tr>
<td>5295</td>
<td>V5</td>
</tr>
<tr>
<td>5305</td>
<td>Paddle</td>
</tr>
<tr>
<td>5250</td>
<td>II</td>
</tr>
<tr>
<td>5260</td>
<td>AVR</td>
</tr>
<tr>
<td>5270</td>
<td>AVF</td>
</tr>
<tr>
<td>5280</td>
<td>V2</td>
</tr>
<tr>
<td>5290</td>
<td>V4</td>
</tr>
<tr>
<td>5300</td>
<td>V6</td>
</tr>
</tbody>
</table>

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
Definition
The interpretation of the rhythm by the device (if appropriate for the event)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>ECGInterpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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>2,000</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.

Field Values
- Relevant Value for Data Element & Patient Care

Additional Information
- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

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

Data Collector
- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements
- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
Definition
The energy form used by the device for the defibrillation (if appropriate for the event)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>TypeOfShock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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 E21 is associated with a E21_01 Date/Time.

Field Values
5310 Biphasic  
5311 Monophasic

Additional Information
- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

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

Data Collector
- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements
- E01_01 Patient Care Report Number  
- E21_01 Event Date/Time  
- E21_02 Medical Device Event Name
Definition
The energy used for the shock or pacing event (if appropriate for the event)

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Additional Information</th>
<th>Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relevant Value for Data Element &amp; Patient Care</td>
<td>Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)</td>
<td>Part of an EMS Medical Record</td>
</tr>
<tr>
<td>Provides documentation of Assessment and Care</td>
<td>Used in Quality Management for the evaluation of Care and EMS Agency Performance</td>
<td></td>
</tr>
</tbody>
</table>

Other Associated Elements
- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name

XSD Data Type: xs:decimal
XSD Domain (Simple Type): ShockOrPacingEnergy
Multiple Entry Configuration: Yes, via structure
Accepts Null Value: No
Required in XSD: No
Minimum Constraint: 1
Maximum Constraint: 9,000

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.
The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.

### 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
- Medical device and electronically transmitted to the EMS database for further use

### Other Associated Elements
- **E01_01** Patient Care Report Number
- **E21_02** Medical Device Event Name
- **E21_01** Event Date/Time

### XSD Data Type
- `xs:integer`

### XSD Domain (Simple Type)
- `TotalNumberOfShocks`

### Multiple Entry Configuration
- Yes, via structure

### Accepts Null Value
- No

### Required in XSD
- No

### Minimum Constraint
- 1

### Maximum Constraint
- 100

### XSD Structure
- (1) Each element is section E21 is associated with a E21_01 Date/Time.
**Definition**

The rate the device was calibrated to pace during the event, if appropriate.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>PacingRate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</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>1,000</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

- E01_01  Patient Care Report Number
- E21_01  Event Date/Time
- E21_02  Medical Device Event Name
Definition

The heart rate electronically obtained by the device (if appropriate for the event)

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Electronic Monitor Rate (E14_08)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

- E01_01  Patient Care Report Number
- E21_01  Event Date/Time
- E21_02  Medical Device Event Name

XSD Data Type  xs:integer  XSD Domain (Simple Type)  PulseRate
Multiple Entry Configuration  Yes, via structure  Accepts Null Value  No
Required in XSD  No  Minimum Constraint  0  Maximum Constraint  500

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.
**Definition**

The pulse rate as measured from the pulse oximeter, non-invasive pressure, or invasive pressure transducers (if appropriate for the event)

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Pulse Rate (E14_07)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
**Definition**

The Systolic Blood Pressure as measured either through non-invasive blood pressure, invasive blood pressure monitor 1, or invasive blood pressure monitor 2 (if appropriate for the event)

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Systolic Blood Pressure (E14_04)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
- E21_19 Device CO2, etCO2, or Invasive Pressure Monitor Units

---

**XSD Structure**

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>SBP</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</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>400</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.
Definition

The Diastolic Blood Pressure as measured either through non-invasive blood pressure, invasive blood pressure monitor 1, or invasive blood pressure monitor 2 (if appropriate for the event)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>DBP</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
</tr>
<tr>
<td>Accepts Null Value</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>300</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Diastolic Blood Pressure (E14_05)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

<table>
<thead>
<tr>
<th>E01_01</th>
<th>Patient Care Report Number</th>
<th>E21_01</th>
<th>Event Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>E21_02</td>
<td>Medical Device Event Name</td>
<td>E21_19</td>
<td>Device CO2, etCO2, or Invasive Pressure Monitor Units</td>
</tr>
</tbody>
</table>
Definition

The Respiratory Rate as calculated from the device through one of the various monitoring parameters (if appropriate for the event)

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Respiratory Rate (E14_11)

Uses

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

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
Definition
The Oxygen Saturation as measured from the pulse oximeter in % (if appropriate for the event)

Field Values
- Relevant Value for Data Element & Patient Care

Additional Information
- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Pulse Oximetry (E14_09)

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

Data Collector
- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements
- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name

XSD Data Type: xs:integer
XSD Domain (Simple Type): DeviceCO2
Multiple Entry Configuration: Yes, via structure
Accepts Null Value: No
Required in XSD: No
Minimum Constraint: 0
Maximum Constraint: 100

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.
Definition
The Carbon Dioxide or end-tidal Carbon Dioxide as measured from the device transducers (if appropriate for the event)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DeviceCO2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
</tbody>
</table>

XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time. (2) Elements E21_18 and E21_19 are members of E21_18_0 CO2 Structure.

Field Values
- Relevant Value for Data Element & Patient Care

Additional Information
- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Carbon Dioxide (E14_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
- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements
- E01_01 Patient Care Report Number
- E21_02 Medical Device Event Name
- E21_01 Event Date/Time
- E21_19 Device CO2, etCO2, or Invasive Pressure Monitor Units
**DECO2, ETCO2, OR INVASIVE PRESSURE MONITOR UNITS**

**Definition**

The Units of Carbon Dioxide, end-tidal Carbon Dioxide, invasive pressure monitor 1, or invasive pressure monitor 2 as measured from the device transducers (if appropriate for the event)

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DeviceCO2etCO2OrInvasivePressureUnits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</td>
</tr>
</tbody>
</table>

**XSD Structure:** (1) Each element is section E21 is associated with a E21_01 Date/Time. (2) Elements E21_18 and E21_19 are members of E21_18_0 CO2 Structure.

**Field Values**

5320 kPa

5330 mmHg

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

- E01_01 Patient Care Report Number
- E21_01 Event Date/Time
- E21_02 Medical Device Event Name
- E21_14 Device Systolic Blood Pressure
- E21_15 Device Diastolic Blood Pressure
- E21_18 Device CO2 or etCO2
- E21_20 Device Invasive Pressure Mean
**Definition**

The Invasive Pressure Mean as calculated either through the invasive pressure monitor 1 or the invasive pressure monitor 2 (if appropriate for the event).

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

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

**Uses**

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

**Data Collector**

- Medical device and electronically transmitted to the EMS database for further use

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E01_01 Patient Care Report Number</th>
<th>E21_01 Event Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>E21_02 Medical Device Event Name</td>
<td>E21_019 Device CO2, etCO2, or Invasive Pressure Monitor Units</td>
</tr>
</tbody>
</table>
Outcome and Linkage
**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

**Required in XSD**  
Yes

**Field Values**

- **-25** Not Applicable
- **-10** Not Known
- **5335** Admitted to Hospital Floor
- **5345** Death
- **5355** Released
- **-15** Not Reporting
- **-5** Not Available
- **5340** Admitted to Hospital ICU
- **5350** Not Applicable (Not Transported to ED)
- **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
**Definition**

Indication of how the patient was dispositioned from the hospital, if admitted.

**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>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>5365</td>
<td>Death</td>
</tr>
<tr>
<td>5375</td>
<td>Transfer to Hospital</td>
</tr>
<tr>
<td>5385</td>
<td>Transfer to Other</td>
</tr>
<tr>
<td>5370</td>
<td>Discharged</td>
</tr>
<tr>
<td>5380</td>
<td>Transfer to Nursing Home</td>
</tr>
<tr>
<td>5390</td>
<td>Transfer to Rehabilitation Facility</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>LawEnforcementCrashReportNumber</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>20</td>
</tr>
</tbody>
</table>

Field Values
-25 Not Applicable
-5 Not Available
-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
**Definition**
The unique number associated with the local or state trauma registry which can be used for linkage at a later date.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>TraumaRegistryID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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

-5 Not Available

-10 Not Known

-5 Not Available

-25 Not Applicable

-10 Not Known

**Uses**

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and Trauma Data for Outcome evaluation

**Data Collector**

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

**Other Associated Elements**

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

The unique number associated with the fire incident report which can be used for linkage at a later date.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>FireIncidentReportNumber</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>20</td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable
-5 Not Available
-10 Not Known

- Relevant Value for Data Element & Patient Care

**Uses**

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and Fire 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
**Definition**

The unique number associated with a patient ID band agency. This is used by a few states as a universal linkage between healthcare data agencies.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>PatientIDBandTagNumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

-25 Not Applicable

-5 Not Available

-10 Not Known

- Relevant Value for Data Element & Patient Care

**Uses**

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and the other components of the healthcare agency

**Data Collector**

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
Miscellaneous
**Definition**

Indication of whether the form needs review by anyone.

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

| Required in XSD | No |

**Field Values**

-25 Not Applicable
-5 Not Available
1 Yes

**Uses**

- Agency related field to identify records for Quality Management review

**Data Collector**

- EMS personnel or anyone associated with the EMS agency

**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>

Section E23  Miscellaneous  Page 453 of 463  2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Definition**

An indication if the patient may meet the entry criteria for a injury or illness specific registry.

**Field Values**

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>xs:integer</code></td>
<td><code>PotentialRegistryCandidate</code></td>
</tr>
</tbody>
</table>

**Multiple Entry Configuration**

Yes

**Required in XSD**

No

**Field Values**

- `-25` Not Applicable
- `-5` Not Available
- `-10` Not Known
- `5395` Burn
- `5400` Cardiac/MI
- `5405` CVA/Stroke
- `5410` Drowning
- `5415` Spinal Cord Injury
- `5420` Trauma
- `5425` Traumatic Brain Injury
- `5430` Other

**Uses**

- Allows reports to be generated to assist in the enrollment of patients in mandated registries

**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
### Definition
The personal protective equipment which was used by EMS personnel during this EMS patient contact.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>PersonalProtectiveEquipmentUsed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Value</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
- **-5** Not Available
- **5435** Eye Protection
- **5440** Gloves
- **5445** Level A Suit
- **5450** Level B Suit
- **5455** Level C Suit
- **5460** Mask
- **5465** Other

### Uses
- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

### Data Collector
- EMS personnel

### Other Associated Elements
- **E00** Common Null Values
- **E01_01** Patient Care Report Number
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 Value</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
-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
**SUSPECTED CONTACT WITH BLOOD/ BODY FLUIDS OF EMS INJURY OR DEATH**

**Definition**  
Indication of unprotected contact with blood or body fluids.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>YesNoValues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Value</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  
-5 Not Available  
1 Yes  
-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  
E23_06 Type of Suspected Blood/Body Fluid Exposure, Injury, or Death  
E01_01 Patient Care Report Number  
E23_07 Personnel Exposed
**Definition**

The type of exposure or unprotected contact with blood or body fluids.

**Field Values**

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>XSD Domain (Simple Type)</th>
<th>Accepts Null Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xs:integer</td>
<td>.TypeOfSuspectedExposureToBodilyFluids</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Multiple Entry Configuration** Yes

**Required in XSD** No

**Field Values**

-25 Not Applicable
-10 Not Known
-5 Not Available
5540 Contact to Broken Skin
5545 Contact to Intact Skin
5550 Contact with Eye
5555 Contact with Mucosal Surface
5560 Inhalation Exposure
5565 Needle Stick with Fluid Injection
5570 Needle Stick without Fluid Injection
5575 Other Physical injury
5580 Death
5585 None

**Additional Information**

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed.

**Uses**

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
- E23_05 Suspected Contact with Blood/Body Fluids of EMS Injury or Death
- E23_07 Personnel Exposed
**Definition**  
The EMS personnel who was/were exposed to unprotected contact with blood or body fluids

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

**Field Values**
-25 Not Applicable
-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
REQU IR ED REPORT ABLE CONDITIONS

**Data Format**  [combo] single-choice

**Definition**
The presence of any condition which is reportable based on federal or state regulations.

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

**Field Values**
-25 Not Applicable  
-10 Not Known  
-5 Not Available  
0 No  
1 Yes

**Uses**
- Allows reports to be generated to assist in the required reporting of mandated medical or social conditions  
- Important for the Quality Management evaluation of personnel performance and safety initiatives  
- Part of an EMS Medical Record

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values  
- E01_01 Patient Care Report Number

---

Section E23  Miscellaneous
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
RESEARCH SURVEY FIELD

Data Format [text]

Definition
A customizable field to be used by local agencies for additional documentation or research.

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

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

Field Values
-25 Not Applicable
-10 Not Known
-5 Not Available
- Relevant Value for Data Element & Patient Care

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
E00 Common Null Values
E01_01 Patient Care Report Number
E23_11 Research Survey Field Title
WHO GENERATED THIS REPORT?

Data Format [text]

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>CrewMemberID</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Value</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>15</td>
</tr>
</tbody>
</table>

Field Values
-25 Not Applicable
-5 Not Available
-10 Not Known

Additional Information
- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, D08_02, and D08_03 for easy data entry

Uses
- 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

Section E23 Miscellaneous
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Definition
A customizable field to be used by local agencies for additional documentation or research.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>ResearchTitle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Value</td>
<td>No</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: Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

Field Values
- Relevant Value for Data Element & Patient Care

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