The West Virginia Prehospital Electronic Patient Care Record Version 1.1

Based on the NHTSA Uniform Pre-Hospital Emergency Medical Services (EMS) Dataset Version 2.2.1 (2005)
08/28/08

West Virginia
Department of Health and Human Resources
Bureau for Public Health
State Trauma and Emergency Care System
Office of Emergency Medical Services

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# Table of Contents

**Introduction**........................................................................................................................................... 7  
**Section I** Comparison of NEMSSIS and WVPEPCR.................................................................................. 9  
**Section II** Dictionary and Reporting Specifications for the WVPEPCR.................................................. 24  
NHTSA (NEMSSIS) Table of Contents........................................................................................................... 24  
**Section E00** Common EMS Values............................................................................................................. 25  
**Section E01** Record Information................................................................................................................. 27  
  - E01_01 PATIENT CARE REPORT NUMBER......................................................................................... 28  
  - E01_02 SOFTWARE CREATOR.............................................................................................................. 29  
  - E01_03 SOFTWARE NAME.................................................................................................................... 30  
  - E01_04 SOFTWARE VERSION............................................................................................................... 31  
**Section E02** Unit/ Agency Information........................................................................................................ 32  
  - E02_01 EMS AGENCY NUMBER........................................................................................................... 33  
  - E02_04 TYPE OF SERVICE REQUESTED............................................................................................ 35  
  - E02_05 PRIMARY ROLE OF THE UNIT................................................................................................. 36  
  - E02_06 TYPE OF DISPATCH DELAY.................................................................................................... 37  
  - E02_07 TYPE OF RESPONSE DELAY................................................................................................... 38  
  - E02_08 TYPE OF SCENE DELAY.......................................................................................................... 39  
  - E02_09 TYPE OF TRANSPORT DELAY................................................................................................. 40  
  - E02_10 TYPE OF TURN-AROUND DELAY............................................................................................ 41  
  - E02_12 EMS UNIT CALL SIGN (RADIO NUMBER)............................................................................ 42  
  - E02_16 BEGINNING ODOMETER READING OF RESPONDING VEHICLE.................................... 43  
  - E02_17 ON-SCENE ODOMETER READING OF RESPONDING VEHICLE.................................... 44  
  - E02_18 PATIENT DESTINATION ODOMETER READING OF RESPONDING VEHICLE................ 45  
  - E02_20 RESPONSE MODE TO SCENE............................................................................................... 46  
**Section E03** Unit/ Call Information.............................................................................................................. 47  
  - E03_01 COMPLAINT REPORTED BY DISPATCH.............................................................................. 48  
  - E03_02 EMD PERFORMED.................................................................................................................. 49  
  - E03_03 EMD CARD NUMBER............................................................................................................. 50  
**Section E04** Unit/ Personnel Information................................................................................................... 51  
  - E04_01 CREW MEMBER ID.................................................................................................................. 52  
  - E04_02 CREW MEMBER ROLE........................................................................................................... 53  
  - E04_03 CREW MEMBER LEVEL.......................................................................................................... 54  
**Section E05** Times...................................................................................................................................... 55  
  - E05_02 PSAP CALL DATE/ TIME............................................................................................................ 56  
  - E05_04 UNIT NOTIFIED BY DISPATCH DATE/ TIME......................................................................... 57  
  - E05_05 UNIT EN ROUTE DATE/ TIME.................................................................................................. 58  
  - E05_06 UNIT ARRIVED ON SCENE DATE/ TIME............................................................................. 59  
  - E05_07 ARRIVED AT PATIENT DATE/ TIME....................................................................................... 60  
  - E05_09 UNIT LEFT SCENE DATE/ TIME ............................................................................................. 61  
  - E05_10 PATIENT ARRIVED AT DESTINATION DATE/ TIME............................................................... 62  
  - E05_11 UNIT BACK IN SERVICE DATE/ TIME..................................................................................... 63  
  - E05_12 UNIT CANCELLED DATE/ TIME............................................................................................... 64  
  - E05_13 UNIT BACK AT HOME LOCATION DATE/ TIME....................................................................... 65  
**Section E06** Patient................................................................................................................................. 66  
  - E06_01 LAST NAME............................................................................................................................ 67  
  - E06_02 FIRST NAME............................................................................................................................ 68  
  - E06_03 MIDDLE INITIAL/ NAME........................................................................................................... 69
Section E15 Assessment/ Injury

E15_01 NHTSA I N J U R Y M A T R I X E X T E R N A L / S K I N ................................................................. 178
E15_02 NHTSA I N J U R Y M A T R I X H E A D .................................................................................. 180
E15_03 NHTSA I N J U R Y M A T R I X F A C E .................................................................................. 181
E15_04 NHTSA I N J U R Y M A T R I X N E C K .................................................................................. 182
E15_05 NHTSA I N J U R Y M A T R I X T H O R A X ........................................................................... 183
E15_06 NHTSA I N J U R Y M A T R I X A B D O M E N ......................................................................... 184
E15_07 NHTSA I N J U R Y M A T R I X S P I N E .................................................................................. 185
E15_08 NHTSA I N J U R Y M A T R I X U P P E R E X T E R M I T I E S .................................................. 186
E15_09 NHTSA I N J U R Y M A T R I X P E L V I S ............................................................................... 187
E15_10 NHTSA I N J U R Y M A T R I X L O W E R E X T E R M I T I E S ................................................. 188
E15_11 NHTSA I N J U R Y M A T R I X U N S P E C I F I E D .................................................................. 189

Section E16 Assessment/ Exam

E16_01 ESTIMATED BODY WEIGHT ................................................................................................. 191
E16_02 BROSELOW/ LUTEN COLOR .............................................................................................. 192
E16_04 SKIN ASSESSMENT ............................................................................................................. 193
E16_05 HEAD/ FACE ASSESSMENT ............................................................................................... 194
E16_06 NECK ASSESSMENT ........................................................................................................... 195
E16_07 CHEST/ LUNGS ASSESSMENT ............................................................................................ 196
E16_08 HEART ASSESSMENT ......................................................................................................... 197
E16_09 ABDOMEN LEFT UPPER ASSESSMENT ............................................................................ 198
E16_10 ABDOMEN LEFT LOWER ASSESSMENT ........................................................................... 199
E16_11 ABDOMEN RIGHT UPPER ASSESSMENT ....................................................................... 200
E16_12 ABDOMEN RIGHT LOWER ASSESSMENT ...................................................................... 201
E16_13 GU ASSESSMENT .............................................................................................................. 202
E16_14 BACK CERVICAL ASSESSMENT ......................................................................................... 203
E16_15 BACK THORACIC ASSESSMENT ....................................................................................... 204
E16_16 BACK LUMBAR/ SACRAL ASSESSMENT ............................................................................ 205
E16_17 EXTREMITIES-RIGHT UPPER ASSESSMENT .................................................................... 206
E16_18 EXTREMITIES-RIGHT LOWER ASSESSMENT .................................................................... 207
E16_19 EXTREMITIES-LEFT UPPER ASSESSMENT ...................................................................... 208
E16_20 EXTREMITIES-LEFT LOWER ASSESSMENT .................................................................... 209
E16_21 EYES-LEFT ASSESSMENT ................................................................................................ 210
E16_22 EYES-RIGHT ASSESSMENT ............................................................................................. 211
E16_23 MENTAL STATUS ASSESSMENT ....................................................................................... 212
E16_24 NEUROLOGICAL ASSESSMENT ......................................................................................... 213

Section E17 Intervention

E17_01 PROTOCOLS USED ............................................................................................................... 214

Section E18 Intervention/ Medication

E18_01 DATE/ TIME MEDI CAT I ON A D M I NI ST E R E D ...................................................................... 216
E18_02 MEDI CAT I ON A D M I NI ST E R E D PRI OR TO THI S U N I TS EMS CARE ......................... 217
E18_03 MEDI CAT I ON GIVEN ....................................................................................................... 218
E18_04 MEDI CAT I ON A D M I NI ST E R E D ROUTE ....................................................................... 219
E18_05 MEDI CAT I ON DOSAGE .................................................................................................... 220
E18_06 MEDI CAT I ON DOSAGE UNITS ...................................................................................... 221
E18_07 RESPONSE TO MEDI CAT I ON ....................................................................................... 222
E18_08 MEDI CAT I ON COMPLI CAT I ON .................................................................................... 223
E18_09 MEDI CAT I ON CREW MEMBER I D ................................................................................ 224
E18_10 MEDI CAT I ON AUTHORIZATION ..................................................................................... 225
Section E19 Intervention/ Procedure

E19_01 DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY .................................................. 227
E19_02 PROCEDURE PERFORMED PRIOR TO THIS UNIT'S EMS CARE .................................. 229
E19_03 PROCEDURE .................................................................................................................. 230
E19_04 SIZE OF PROCEDURE EQUIPMENT ............................................................................. 231
E19_05 NUMBER OF PROCEDURE ATTEMPTS ........................................................................... 232
E19_06 PROCEDURE SUCCESSFUL .......................................................................................... 233
E19_07 PROCEDURE COMPLICATION ....................................................................................... 234
E19_08 RESPONSE TO PROCEDURE ....................................................................................... 235
E19_09 PROCEDURE CREW MEMBERS ID ............................................................................... 236
E19_10 PROCEDURE AUTHORIZATION .................................................................................... 237
E19_12 SUCCESSFUL IV SITE .................................................................................................. 238
E19_13 TUBE CONFIRMATION .................................................................................................. 239
E19_14 DESTINATION CONFIRMATION OF TUBE PLACEMENT ............................................. 240

Section E20 Disposition

E20_01 DESTINATION/TRANSFERRED TO, NAME ................................................................ 241
E20_02 DESTINATION/TRANSFERRED TO, CODE .................................................................. 242
E20_03 DESTINATION STREET ADDRESS ................................................................................. 243
E20_04 DESTINATION CITY ........................................................................................................ 244
E20_05 DESTINATION STATE ..................................................................................................... 245
E20_06 DESTINATION COUNTY ............................................................................................... 246
E20_07 DESTINATION ZIP CODE .............................................................................................. 247
E20_10 INCIDENT/PATIENT DISPOSITION .............................................................................. 248
E20_14 TRANSPORT MODE FROM SCENE .............................................................................. 249
E20_15 CONDITION OF PATIENT AT DESTINATION .............................................................. 250
E20_16 REASON FOR CHOOSING DESTINATION ..................................................................... 251
E20_17 TYPE OF DESTINATION ............................................................................................... 252

Section E21 Medical Device Data

Section E22 Outcome and Linkage

E22_01 EMERGENCY DEPARTMENT DISPOSITION .................................................................. 253
E22_02 HOSPITAL DISPOSITION ............................................................................................. 254
E22_03 LAW ENFORCEMENT/ CRASH REPORTNUMBER .......................................................... 255

Section E23 Miscellaneous

E23_03 PERSONAL PROTECTIVE EQUIPMENT USED .............................................................. 256
E23_04 SUSPECTED INTENTIONAL, OR UNINTENTIONAL DISASTER ..................................... 257
E23_05 SUSPECTED CONTACT WITH BLOOD/ BODY FLUIDS OF EMS INJURY OR DEATH .. 258
E23_07 PERSONNEL EXPOSED ............................................................................................... 259
E23_10 WHO GENERATED THIS REPORT? ................................................................................ 260

Field Location .......................................................................................................................... 261
This dataset is composed of specific data elements from the National Highway Traffic Safety (NHTSA) Uniform Prehospital EMS Dataset. The data elements chosen based on their importance for the documentation, evaluation, and management of EMS at the local and state level.

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

Information provided in this document includes the following:

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

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Section II
Dictionary and Reporting Specifications
For The
West Virginia Prehospital Electronic Patient Care Record
### NHTSA Uniform Pre-Hospital Emergency Medical Services (EMS) Dataset

**Version 2.2.1 (2006)**

**Table of Contents**

<table>
<thead>
<tr>
<th>EMS Dataset</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>E00 Common EMS Values</td>
<td>121</td>
</tr>
<tr>
<td>E01 Record Information</td>
<td>123</td>
</tr>
<tr>
<td>E02 Unit/ Agency Information</td>
<td>128</td>
</tr>
<tr>
<td>E03 Unit/ Call Information</td>
<td>149</td>
</tr>
<tr>
<td>E04 Unit/ Personnel Information</td>
<td>153</td>
</tr>
<tr>
<td>E05 Times</td>
<td>157</td>
</tr>
<tr>
<td>E06 Patient</td>
<td>171</td>
</tr>
<tr>
<td>E07 Billing</td>
<td>191</td>
</tr>
<tr>
<td>E08 Scene</td>
<td>230</td>
</tr>
<tr>
<td>E09 Situation</td>
<td>246</td>
</tr>
<tr>
<td>E10 Situation/ Trauma</td>
<td>264</td>
</tr>
<tr>
<td>E11 Situation/ CPR</td>
<td>277</td>
</tr>
<tr>
<td>E12 Medical History</td>
<td>289</td>
</tr>
<tr>
<td>E13 Narrative</td>
<td>310</td>
</tr>
<tr>
<td>E14 Assessment/ Vital Signs</td>
<td>312</td>
</tr>
<tr>
<td>E15 Assessment/ Injury</td>
<td>341</td>
</tr>
<tr>
<td>E16 Assessment/ Exam</td>
<td>353</td>
</tr>
<tr>
<td>E17 Intervention</td>
<td>379</td>
</tr>
<tr>
<td>E18 Intervention/ Medication</td>
<td>381</td>
</tr>
<tr>
<td>E19 Intervention/ Procedure</td>
<td>393</td>
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<tr>
<td>E20 Disposition</td>
<td>409</td>
</tr>
<tr>
<td>E21 Medical Device Data</td>
<td>427</td>
</tr>
<tr>
<td>E22 Outcome and Linkage</td>
<td>448</td>
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E00  COMMON NULL VALUES

Data  [combo] single-choice

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

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

Additional Information
• For any collection of data to be of value and reliably represent what was intended, a strong commitment must be made to ensure the correct documentation of incomplete data. The described data integrity method must be followed with the NHTSA dataset. For data elements being electronically stored in a database or moved from one database to another using XML, the indicated values should be applied when a data element is empty or contains a null value.
• Not Applicable: (Code -25) = At the time of an EMS patient care report documentation, information requested was “Not Applicable” to the EMS or patient event. This indicates that it is unnecessary to document mechanism or injury related information on a patient who was not traumatized.
• Not Available: (Code -5) = At the time of an EMS patient care report documentation, information was “Not Available” to EMS personnel. This documents that needed information did exist but the EMS personnel was unsuccessful in their attempt to obtain it.
• Not Known: (Code -10) = At the time of an EMS patient care report documentation, information was “Not Known” to patient, family, and EMS personnel. This documents that there was an attempt to obtain information but it was unknown by all parties involved.
• Not Recorded: (Code -20) = If an EMS documentation or information system has an empty field or nothing is recorded in any data element of the NHTSA dataset, code “-20” should be inserted into the database and/or XML for that data element indicating that the EMS Patient Care Report did not have a value for that specific data element when the EMS event or patient encounter was documented.
• Not Reporting: (Code -15) = If an EMS documentation or information system is not using any of the "National" data elements of the NHTSA dataset, code “-15” should be inserted into the database and/or XML for that data element.
E01_01  PATIENT CARE REPORT NUMBER

Data    [text]  National Element

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

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

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

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

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

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

Other Associated Elements
E01_01  Patient Care Report Number

References in NHTSA Version 1
Desirable  Element  23  Patient Care Record Number

References to Other Databases
● NFIRS 5.0  EMS Module; Title: Patient Number; Unique Number
E01_02 SOFTWARE CREATOR

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 Values</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
E01_03 SOFTWARE NAME

**Data** [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>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>SoftwareName</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>3</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>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
**E01_04 SOFTWARE VERSION**

**Data**  [text]  

**National Element**

**Definition**

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>SoftwareVersion</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>3</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>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
**E02_01  EMS AGENCY NUMBER**

**Data**  [text]

**National Element**

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

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

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

**Additional Information**
- Not Nullable. A unique value must be provided to create a unique record ID within a database
- 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
E02_02 INCIDENT NUMBER

Data [text]

Definition
The incident number assigned by the 911 Dispatch System

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

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

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

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

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References in NHTSA Version 1
Essential Element 21 Incident Number

References to Other Databases
● NFIRS 5.0 EMS Module; Title: Incident Number; Unique number for each Incident
**E02_04  TYPE OF SERVICE REQUESTED**

**Data**  
[combo] single-choice

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

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
TypeOfServiceRequested

**Multiple Entry Configuration**  
No

**Accepts Null Values**  
No

**Required in XSD**  
Yes

**Field Values**

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

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

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

**Other Associated Elements**

- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

Essential  Element 20  Service Type
Definition
The primary role of the EMS service which was requested for this specific EMS incident.

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

Field Values
60  Non-Transport       65  Rescue
70  Supervisor          75  Transport

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

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

Other Associated Elements
E01_01  Patient Care Report Number
**E02_06 TYPE OF DISPATCH DELAY**

**Data**  
[combo] multiple-choice

**National Element**

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

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

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

**Multiple Entry Configuration**  
Yes

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**Field Values**

-25  Not Applicable
-15  Not Reporting
-10  Not Known
-5   Not Available
85   High Call Volume
95   Location (Inability to Obtain)
105  None
115  Scene Safety (Not Secure for EMS)
120  Technical Failure (Computer, Phone etc.)

**Uses**

- Allows data to describe the status of Dispatch issues

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

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

Data  [combo] multiple-choice

National Element

Definition

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

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

Required in XSD Yes

Field Values

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>130</td>
<td>Directions</td>
</tr>
<tr>
<td>140</td>
<td>Diversion</td>
</tr>
<tr>
<td>150</td>
<td>None</td>
</tr>
<tr>
<td>160</td>
<td>Safety</td>
</tr>
<tr>
<td>170</td>
<td>Traffic</td>
</tr>
<tr>
<td>180</td>
<td>Vehicle Failure</td>
</tr>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>125</td>
<td>Crowd</td>
</tr>
<tr>
<td>135</td>
<td>Distance</td>
</tr>
<tr>
<td>145</td>
<td>HazMat</td>
</tr>
<tr>
<td>155</td>
<td>Other</td>
</tr>
<tr>
<td>165</td>
<td>Staff Delay</td>
</tr>
<tr>
<td>175</td>
<td>Vehicle Crash</td>
</tr>
<tr>
<td>185</td>
<td>Weather</td>
</tr>
</tbody>
</table>

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

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

Data  [combo] multiple-choice

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

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

Field Values
-25  Not Applicable
-15  Not Reporting
-5  Not Available
195  Directions
205  Diversion
215  HazMat
225  None
235  Safety
245  Traffic
255  Vehicle Failure

-20  Not Recorded
-10  Not Known
190  Crowd
200  Distance
210  Extrication >20 min.
220  Language Barrier
230  Other
240  Staff Delay
250  Vehicle Crash
260  Weather

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

Data Collector
● EMS personnel

Other Associated Elements
E00  Common Null Values  E01_01  Patient Care Report Number

References in NHTSA Version 1
Desirable  Element 56  Factors Affecting EMS Delivery of Care
**E02_09 TYPE OF TRANSPORT DELAY**

**Data**  
[combo] multiple-choice

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

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
TypeOfTransportDelay

**Multiple Entry Configuration**  
Yes

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
270 Directions
280 Diversion
290 None
300 Safety
310 Traffic
320 Vehicle Failure
265 Crowd
275 Distance
285 HazMat
295 Other
305 Staff Delay
315 Vehicle Crash
325 Weather

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

E00 Common Null Values

**References in NHTSA Version 1**

Desirable Element 56 Factors Affecting EMS Delivery of Care
**E02_10  TYPE OF TURN-AROUND DELAY**

**Data**  
[combo] multiple-choice

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

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
TypeOfTurnAroundDelay

**Multiple Entry Configuration**  
Yes

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
335 Decontamination  
345 ED Overcrowding  
355 Equipment Replenishment  
365 Other  
375 Vehicle Failure

-20 Not Recorded  
-10 Not Known  
330 Clean-up  
340 Documentation  
350 Equipment Failure  
360 None  
370 Staff Delay

**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

---

**Section E02  Unit/ Agency Information**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E02_12 EMS UNIT CALL SIGN (RADIO NUMBER)**

**Data**  [combo] single-choice  

**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.

<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 Values</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>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

---

Section  E02  Unit/Agency Information  
NHTS (NEMSIS) Page Number 140

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
Data [number]

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

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

Field Values
● Relevant Value for Data Element & Patient Care

Additional Information
● Number recorded with one digit to the right of decimal

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

Data Collector
● EMS personnel

Other Associated Elements
E01_01 Patient Care Report Number
Data [number]

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

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

Field Values
● Relevant Value for Data Element & Patient Car

Additional Information
● Number recorded with one digit to the right of decimal

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

Data Collector
● EMS personnel

Other Associated Elements
E01_01 Patient Care Report Number
E02_18  PATIENT DESTINATION  ODOMETER READING  OF RESPONDING VEHICLE

Data   [number]

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

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

Field Values
● Relevant Value for Data Element & Patient Care

Additional Information
● Number recorded with one digit to the right of decimal

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

Data Collector
● EMS personnel

Other Associated Elements
E01_01  Patient Care Report Number
E02_20 RESPONSE MODE TO SCENE

Data [combo] single-choice National Element

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

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

Field Values
380 Initial Lights and Sirens, Downgraded to No Lights or Sirens
390 Lights and Sirens
385 Initial No Lights or Sirens, Upgraded to Lights and Sirens
395 No Lights or Sirens

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

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

Other Associated Elements
E01_01 Patient Care Report Number

References in NHTSA Version 1
Essential Element 19 Lights and Sirens to Scene
E03_01  COMPLAINT REPORTED BY DISPATCH

Definition
The complaint dispatch reported to the responding unit.

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

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

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

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

Other Associated Elements
E00  Common Null Values  E01_01  Patient Care Report Number

References to Other Databases
NHTSA EMD Data Elements  Chief Complaint Types

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

**Data**  
[combo] single-choice

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

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

**Required in XSD** Yes

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
570 Yes, With Pre-Arrival Instructions
575 Yes, Without Pre-Arrival Instructions

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

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

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number
**E03_03  EMD CARD NUMBER**

**Data**  
[text]

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

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

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

**Required in XSD** No  
**Minimum Constraint** 1  
**Maximum Constraint** 10

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

**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
**E04_01 CREW MEMBER ID**

**Data**  
[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>
<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 Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>15</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
- 15 Not Reporting
- 5 Not Available
- 20 Not Recorded
- 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
- E01_01 Patient Care Report Number
- E04_02 Crew Member Role
- E04_03 Crew Member Level
- E04_01 Crew Member One Number
- E04_02 Crew Member Two Number
- E04_03 Crew Member Three 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

---

Section E04  
Unit/ Personnel Information  
NHTS (NEMSIS) Page Number 154

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

52
**E04_02 CREW MEMBER ROLE**

**Data**
[combo] single-choice

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

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

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

**Multiple Entry Configuration**
Yes, via structure

**Accepts Null Values**
Yes

**Required in XSD**
No

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-10 Not Known
-5 Not Available
580 Driver
585 Primary Patient Caregiver
590 Secondary Patient Caregiver
595 Third Patient Caregiver
600 Other

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E04_01 Crew Member ID
- E01_01 Patient Care Report Number
- E04_03 Crew Member Level

---

Section E04  Unit/ Personnel Information  NHTS (NEMSIS) Page Number 155

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E04_03 CREW MEMBER LEVEL

Data [combo] single-choice

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

XSD Data Type xs:integer XSD Domain (Simple Type) CrewMemberLevel
Multiple Entry Configuration Yes, via structure Accepts Null Values Yes
Required in XSD No
XSD Structure: E04_01, E04_02, E04_03 are all members of the E04 Unit Personnel Information structure

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

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

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

Data Collector
- EMS personnel

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

References in NHTSA Version 1
Essential Element 29 Crew Member One Type
Essential Element 30 Crew Member Two Type
Desirable Element 31 Crew Member Three Type

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

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

**Data**

[date/time]

**Definition**

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

**XSD Data Type**

xs:dateTime

**XSD Domain (Simple Type)**

DateTime

**Multiple Entry Configuration**

No

**Accepts Null Values**

Yes, but null value is blank or empty

**Required in XSD**

Yes

**Minimum Constraint**

1,990

**Maximum Constraint**

2,030

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

- Essential Element 08 Date Incident Reported
- Essential Element 09 Time Incident Reported

**References to Other Databases**

- NFIRS 5.0 EMS Module; Title: Incident Date; The date the Fire Department received the incident alarm
**E05_04 UNIT NOTIFIED BY DISPATCH DATE/TIME**

**Definition**
The date the responding unit was notified by dispatch

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>DateTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>No</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
- Not Nullable. A unique value must be provided to create a unique record ID within a database

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

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

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

**References in NHTSA Version 1**
- Essential Element 11 Date Unit Notified
- Essential Element 12 Time Unit Notified
**E05_05  UNIT EN ROUTE DATE/ TIME**

**Data** 
[date/time]  

**National Element**

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

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

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

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

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

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

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

**References in NHTSA Version 1**  
Essential  Element 13  Time Unit Responding
**E05_06 UNIT ARRIVED ON SCENE DATE/ TIME**

**Data**  [date/time]  
**National Element**

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

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

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

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

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

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

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

**References in NHTSA Version 1**
- Essential  Element 14  Time of Arrival at Scene
E05_07  ARRIVED AT PATIENT DATE/ TIME

Data   [date/time]  National Element

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

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

Field Values
● Relevant Value for Data Element & Patient Care

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

Uses
● 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.
E05_09  UNIT LEFT SCENE DATE/ TIME

Data  [date/time]  National Element

Definition

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

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

Field Values

● Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01  Patient Care Report Number

References in NHTSA Version 1

Essential  Element 16  Time Unit Left Scene
E05_10  PATIENT ARRIVED AT DESTINATION DATE/TIME

Data  [date/time]  National Element

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

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

Field Values
● Relevant Value for Data Element & Patient Care

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

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

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

Other Associated Elements
E01_01  Patient Care Report Number

References in NHTSA Version 1
Essential  Element 17  Time of Arrival at Destination
**Data**

[Date/Time]  

**National Element**

**Definition**

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

**XSD Data Type**  

xs:dateTime  

**XSD Domain (Simple Type)**  

DateTime

**Multiple Entry Configuration**  

No

**Accepts Null Values**  

No

**Required in XSD**  

Yes

**Minimum Constraint**  

1,990

**Maximum Constraint**  

2,030

**Field Values**

- 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

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**Section E05  Times**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1  

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

Data  [date/time]

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

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

Field Values
● Relevant Value for Data Element & Patient Care

Additional Information
● 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
E05_13  UNIT BACK AT HOME LOCATION DATE/TIME

Data  [date/time]  National Element

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

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

Field Values
● Relevant Value for Data Element & Patient Care

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

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

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

Other Associated Elements
E01_01  Patient Care Report Number
E06_01 LAST NAME

Data [text]

Definition
The patient's last (family) name

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

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

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

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

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

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

Other Associated Elements
E00 Common Null Values
E06_02 First Name
E01_01 Patient Care Report Number
E06_03 Middle Initial/Name

References in NHTSA Version 1
Essential Element 32 Patient Name
**E06_02 FIRST NAME**

**Data**

[text]

**Definition**

The patient's first (given) name

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

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

**Field Values**

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

-5 Not Available  ● Relevant Value for Data Element & Patient Care

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

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

**References in NHTSA Version 1**

Essential Element 32 Patient Name
E06_03 MIDDLE INITIAL/ NAME

Data [text]

Definition
The patient's middle name, if any

XSD Data Type xs:string  XSD Domain (Simple Type) MiddleInitialName
Multiple Entry Configuration No  Accepts Null Values Yes
Required in XSD No  Minimum Constraint 1  Maximum Constraint 20

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

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

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

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

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

Other Associated Elements
E00 Common Null Values
E06_01 Last Name

References in NHTSA Version 1
Essential Element 32 Patient Name
E06_04 PATIENT’S HOME ADDRESS

Data [text]

Definition
The patient's home mailing or street address

XSD Data Type xs:string
XSD Domain (Simple Type) StreetAddress
Multiple Entry Configuration No
Accepts Null Values Yes
Required in XSD No
Minimum Constraint 2
Maximum Constraint 30
XSD Structure: E06_04, E06_05, E06_06, E06_07, E06_08 are all members of the E06_04_0 Patient Address Structure

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

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

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

Other Associated Elements
E00 Common Null Values
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
E06_05  PATIENT’S HOME CITY

Data  [combo] single-choice

Definition
The patient’s home city or township or residence

XSD Data Type  xs:string  XSD Domain (Simple Type)  City
Multiple Entry Configuration  No  Accepts Null Values  Yes
Required in XSD  No  Minimum Constraint  2  Maximum Constraint  30
XSD Structure: E06_04, E06_05, E06_07, E06_08 are all members of the E06_04_0 Patient Address Structure

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-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
E06_01  Last Name
E06_06  Patient’s Home County
E06_08  Patient’s Home Zip Code

References in NHTSA Version 1
Desirable  Element 34  City of Residence

NHTS (NEMSI S) Page Number 176

Section E06  Patient
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E06_06 PATIENT’S HOME COUNTY**

**Data** [combo] single-choice

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

**XSD Data Type** xs:string  
**XSD Domain (Simple Type)** County  
**Accepts Null Values** Yes  
**Required in XSD** No  
**Minimum Constraint** 2  
**Maximum Constraint** 20

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

**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
**E06_07  PATIENT’S HOME STATE**

**Data**
[combo] single-choice

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

**XSD Data Type** xs:string  **XSD Domain (Simple Type)** State
**Multiple Entry Configuration** No  **Accepts Null Values** Yes
**Required in XSD** No  **Minimum Constraint** 2  **Maximum Constraint** 3

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

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

**Additional Information**
● 2 digit FIPS numeric code (Not State abbreviation)
● Could be filled in from Patient’s Home Zip (E06_08)

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

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

**Other Associated Elements**
E00 Common Null Values  E01_01 Patient Care Report Number
E06_01 Last Name  E06_04 Patient’s Home Address
E06_05 Patient’s Home City  E06_06 Patient’s Home County
E06_08 Patient’s Home Zip Code

**References in NHTSA Version 1**
Desirable Element 36 State of Residence
E06_08  PATIENT'S HOME ZIP CODE

Data  [text]  National Element

Definition
The patient's home ZIP code of residence

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

Multiple Entry Configuration  No  Accepts Null Values  Yes

Required in XSD  Yes  Minimum Constraint  2  Maximum Constraint  10

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

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  ● 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
E06_01  Last Name
E06_05  Patient's Home City
E06_07  Patient's Home State
E06_04  Patient's Home Address
E06_06  Patient's Home County

References in NHTSA Version 1
Essential  Element  37  Zip Code of Residence
E06_09 PATIENT’S HOME  COUNTRY

**Data**  [combo] single-choice

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

<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 Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>20</td>
</tr>
</tbody>
</table>

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

**Additional Information**
- Stored as a 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

---

Section E06  Patient
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 180
**E06_10 SOCIAL SECURITY NUMBER**

**Data**
[number]

**Definition**
The patient's social security number

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSD Domain (Simple Type)</td>
<td>SocialSecurityNumber</td>
</tr>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
</tr>
<tr>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
</tr>
<tr>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>9</td>
</tr>
</tbody>
</table>

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

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

**Uses**
- 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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E06_01</td>
<td>Last Name</td>
</tr>
</tbody>
</table>

| E01_01 | Patient Care Report Number |

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

Data [combo] single-choice

Definition The patient's gender

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
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
Data  [combo] single-choice

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>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
665 Asian
675 Native Hawaiian or Other Pacific Islander
685 Other Race

-20 Not Recorded
-10 Not Known
660 American Indian or Alaska Native
670 Black or African American
680 White

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

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

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

References in NHTSA Version 1
Essential Element 43 Race/Ethnicity

References to Other Databases
- NFIRS 5.0 EMS Module; Title: Race; Pick-List: White = 1, Black = 2, American Indian, Eskimo, Aleut = 3, Asian = 4, Other, Multi-racial = 0, Race Undetermined = U
**E06_13  ETHNICITY**

**Definition**

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

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

**Multiple Entry Configuration**  No
**Accepts Null Values**  Yes
**Required in XSD**  Yes

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
690 Hispanic or Latino
695 Not Hispanic or Latino

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

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

**References in NHTSA Version 1**

Essential Element 43  Race/Ethnicity

**References to Other Databases**

- NFIRS 5.0  EMS Module; Title: Ethnicity; Check-Box: Hispanic = Yes or No
**E06_14 AGE**

**Data** [number]  

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

**XSD Data Type** xs:integer  
**XSD Domain (Simple Type)** Age  
**Multiple Entry Configuration** No  
**Accepts Null Values** Yes, but null value is blank or empty  
**Required in XSD** Yes  
**Minimum Constraint** 1  
**Maximum Constraint** 120  

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

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

**Additional Information**  
- Could be calculated from Date of Birth (E06_16)

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

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

**Other Associated Elements**
- E01_01 Patient Care Report Number  
- E06_01 Last Name  
- E06_15 Age Units

**References in NHTSA Version 1**

Desirable Element 41 Age

**References to Other Databases**  
- NFIRS 5.0 EMS Module; Title: Age; The age of the patient or best approximation. If less than one year then enter the number of months.
E06_15 AGE UNITS

Data [combo] single-choice

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

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

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
705 Days
715 Years

-20 Not Recorded
-10 Not Known
700 Hours
710 Months

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

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

Other Associated Elements
E00 Common Null Values
E06_14 Age
E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable Element 41 Age
E06_16 DATE OF BIRTH

Data [date]

Definition The patient's date of birth

XSD Data Type xs:date XSD Domain (Simple Type) DateOfBirth
Multiple Entry Configuration No Accepts Null Values No
Required in XSD No Minimum Constraint 1,890 Maximum Constraint 2,030

Field Values
- Relevant Value for Data Element & Patient Care

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

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

Other Associated Elements
E01_01 Patient Care Report Number E06_01 Last Name

References in NHTSA Version 1
Essential Element 40 Date of Birth

References to Other Databases
- NFIRS 5.0 EMS Module; Title: Date of Birth; The date of birth of the patient in MMDDYYYY format.
E06_17  PRIMARY OR HOME TELEPHONE NUMBER

Definition
The patient's home or primary telephone number

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

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

Additional Information
● 10 digit telephone number

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

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

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

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

Data [combo] single-choice

National Element

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

XSD Data Type xs:integer
XSD Domain (Simple Type) PrimaryMethodOfPayment

Multiple Entry Configuration No
Accepts Null Values Yes
Required in XSD Yes

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
725 Medicaid
735 Not Billed (for any reason)
745 Self Pay

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

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

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

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number
E06_01 Last Name
**E07_15 WORK-RELATED**

**Data**
[combo] single-choice

**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>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Required in XSD** No

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
1 Yes

**Field Values**
-20 Not Recorded
-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
- E01_01 Patient Care Report Number
- E06_01 Last Name
**E07_16  PATIENT’S OCCUPATIONAL INDUSTRY**

**Definition**
The occupational industry of the patient’s work

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

**Field Values**
-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
790 Construction  
795 Finance, Insurance, and Real Estate  
800 Government  
805 Manufacturing  
810 Mining  
815 Retail Trade  
820 Services  
825 Transportation and Public Utilities  
830 Wholesale Trade

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

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

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

**Other Associated Elements**
- E00 Common Null Values  
- E01_01 Patient Care Report Number  
- E06_01 Last Name
**E07_17 PATIENT’S OCCUPATION**

**Data**  
[combo] single-choice

**Definition**  
The occupation of the patient

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
PatientsOccupation

**Multiple Entry Configuration**  
No

**Accepts Null Values**  
Yes

**Required in XSD**  
No

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
835 Management Occupations  
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  
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
**Data**
[combo] single-choice

**Definition**
The CMS service level for this EMS encounter.

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

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

**Required in XSD**  Yes

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

995 BLS, Emergency  

990 BLS  

1000 ALS, Level 1  

1005 ALS, Level 1 Emergency  

1010 ALS, Level 2  

1015 Paramedic Intercept  

1020 Specialty Care Transport  

1025 Fixed Wing (Airplane)  

1030 Rotary Wing (Helicopter)

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

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

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number
The condition codes are used to better describe the service and patient care delivery by an EMS service. Please consult CMS documentation for detailed descriptions of these condition codes and their use.

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

Multiple Entry Configuration: Yes, via structure
Accepts Null Values: Yes
Required in XSD: Yes
Minimum Constraint: 2  
Maximum Constraint: 30

XSD Structure: E07_35, E07_36 are members of E07_35_0 Condition Codes Structure

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
8002 Abdominal Pain (ALS-789.00)
8004 Abnormal Skin Signs (ALS-780.8)
8006 Allergic Reaction (ALS-995.0)
8008 Blood Glucose (ALS-790.21)
8009 Difficulty Breathing (ALS-786.05)
8010 Chest Pain (non-traumatic) (ALS-786.50)
8011 Cold Exposure (ALS-991.6)
8012 Altered Level of Consciousness (non-traumatic) (ALS-780.01)
8013 Eye Symptoms (non-traumatic) (BLS-379.90)
8014 Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1)
8015 Heat Exposure (ALS-992.5)
8016 Hemorrhage (ALS-459.0)
8017 Medical Device Failure (ALS-996.3)
8018 Pain (Severe) (ALS-780.99)
8019 Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9)
8020 Alcohol Intoxication or Drug Overdose (BLS-305.0)
8021 Post-Operative Procedure Complications (BLS-998.9)
8022 Psychiatric/Behavioral (abnormal mental status) (ALS-289.9)
8023 Sick Person-Fever (BLS-036.9)
8024 Other Trauma (need for monitor or airway) (ALS-518.5)
8025 Other Trauma (fracture/dislocation) (BLS-829.0)
8026 Other Trauma (amputation digits) (BLS-886.0)
8027 Other Trauma (suspected internal injuries) (ALS-869.0)
8028 Burns-Minor (BLS-949.2)
8029 Burns-Minor (BLS-949.2)
8030 Animal Bites/Sting/Envenomation (ALS-879.8)
8031 Animal Bites/Sting/Envenomation (ALS-879.8)
8032 Electrocution (ALS-994.8)
8033 Eye Injuries (BLS-921.9)
8034 Sexual Assault (minor injuries) (BLS-995.8)
8035 Advanced Airway Management (ALS-518.81)
8036 Chemical Restraint (ALS-293.0)
8037 Severe Alcohol Intoxication (ALS-977.3)
8038 Pregnancy Complication/Childbirth/Labor (ALS-650.0)
8039 Psychiatric/Behavioral (threat to self or others) (BLS-289.9)
8040 Severe Dehydration (ALS-787.01)
8041 Major Trauma (ALS-959.8)
8042 Other Trauma (major bleeding) (ALS-958.2)
8043 Other Trauma (penetrating extremity) (BLS-880.0)
8044 Major Trauma (ALS-959.8)
8045 Other Trauma (amputation other) (ALS-887.4)
8046 Other Trauma (suspected internal injuries) (ALS-869.0)
8047 Burns-Major (ALS-949.3)
8048 Animal Bites/Sting/Envenomation (ALS-879.8)
8049 Animal Bites/Sting/Envenomation (ALS-879.8)
8050 Animal Bites/Sting/Envenomation (ALS-879.8)
8051 Lightning (ALS-994.0)
8052 Near Drowning (ALS-994.1)
8053 Sexual Assault (major injuries) (ALS-995.83)
8054 Sexual Assault (major injuries) (ALS-995.83)
8055 Cardiac/Hemodynamic Monitoring Required (ALS-428.9)
8056 IV Meds Required (ALS-No ICD code provided)
8057 Suctioning/Oxygen/IV fluids required (BLS-496.0)
8058 Suctioning/Oxygen/IV fluids required (BLS-496.0)
8066 Airway Control/Positioning Required (BLS-786.09)
8068 Patient Safety (restraints required) (BLS-298.9)
8070 Patient Safety (seclusion required) (BLS-298.8)
8072 Special Handling (Isolation) (BLS-041.9)
8074 Special Handling (positioning required) (BLS-719.45)
8067 Third Party Assistance/Attendant Required (BLS-496.0)
8069 Patient Safety (monitoring required) (BLS-293.1)
8071 Patient Safety (risk of falling off stretcher) (BLS-781.3)
8073 Special Handling (orthopedic device required) (BLS-907.2)

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

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

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

Other Associated Elements
- E00 Common Null Values
- E07_36 ICD-9 Code for the Condition Code Number
- E01_01 Patient Care Report Number
- E07_37 Condition Code Modifier
**E07_37 CONDITION CODE MODIFIER**

**Data**  
[combo] multiple-choice

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

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

**Multiple Entry Configuration**  
Yes  
**Accepts Null Values**  
Yes  

**Required in XSD**  
No

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
1035 A-Interfacility Transport (requires higher level of care)
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
1037 C-ALS Response to BLS Patient
1039 E-BLS Transport of ALS Patient
1041 Air-A-Long Distance
1043 Air-C-Time Precludes 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

---

Section E07 Billing

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 229
E08_01 OTHER EMS AGENCIES AT SCENE

Data [combo] multiple-choice

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

XSD Data Type xs:string XSD Domain (Simple Type) OtherEMS Agencies At Scene
Multiple Entry Configuration Yes Accepts Null Values Yes
Required in XSD No Minimum Constraint 2 Maximum Constraint 30

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

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
**E08_03  ESTIMATED DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE**

**Data**
[combo] single-choice

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

**XSD Data Type**  
xs:integer  

**XSD Domain (Simple Type)**  
EstimatedDateTimeInitialFirstResponderOnScene

**Multiple Entry Configuration**  
No

**Accepts Null Values**  
Yes

**Required in XSD**  
No

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
1105 5 - 15 Minutes
1115 After EMS

-20 Not Recorded
-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
**E08_05 NUMBER OF PATIENTS AT SCENE**

**Data [combo] single-choice**

**Definition**
Indicator of how many total patients were at the scene

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
1125 Single

<table>
<thead>
<tr>
<th>Value</th>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>1120</td>
<td>None</td>
</tr>
<tr>
<td>1130</td>
<td>Multiple</td>
</tr>
</tbody>
</table>

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

**Data Collector**
EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Number of Patients; The total number of patients.
E08_06 MASS CASUALTY INCIDENT

Data [combo] single-choice

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

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
E00 Common Null Values  E01_01 Patient Care Report Number
E08_07 INCIDENT LOCATION TYPE

Data: [combo] single-choice

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>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Field Values:
-25 Not Applicable
-15 Not Reporting
-5 Not Available
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
1135 Home/Residence
1145 Mine or Quarry
1155 Place of Recreation or Sport
1165 Public Building (schools, gov. offices)
1175 Health Care Facility (clinic, hospital, nursing home)
1185 Lake, River, Ocean

Additional Information:
- Based on ICD-9

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

Data Collector:
- EMS personnel

Other Associated Elements:
E00 Common Null Values  E01_01 Patient Care Report Number

References in NHTSA Version 1:
Essential Element 05 Location Type

References to Other Databases:
- UTSTEIN Title: Location of Arrest: Out of Hospital; Same as NHTSA E-Codes

Section E08 Scene
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E08_08 INCIDENT FACILITY CODE

Data [text]

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

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

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

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

Uses
- Allows data to be sorted based on the Incident Location and Type
- Allows data to describe the Incident Location and the distribution of EMS events

Data Collector
- EMS personnel

Other Associated Elements
E00 Common Null Values
E08_07 Incident Location Type
E01_01 Patient Care Report Number

Section E08  Scene
2006 NHTSA Uniform PreHOSPITAL Dataset V.2.2.1
NHTS (NEMSI S) Page Number 238
**E08_11 INCIDENT ADDRESS**

**Data**

[text]

**Definition**

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

**XSD Data Type**  \textit{xs:string}

**XSD Domain (Simple Type)** StreetAddress

**Multiple Entry Configuration**  No

**Accepts Null Values**  Yes

**Required in XSD**  No

**Minimum Constraint**  2

**Maximum Constraint**  30

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

**Field Values**

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

**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

---

Section E08  Scene

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 241

100
**E08_12 INCIDENT CITY**

**Data**  
[combo] single-choice

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

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

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

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

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

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

**Additional Information**
- 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
- E08_07 Incident Location Type
- E08_14 Incident State

**References in NHTSA Version 1**
- E01_01 Patient Care Report Number
- E08_11 Incident Address
- E08_15 Incident ZIP Code

**Section E08 Scene**  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

**NHTS (NEMSIS) Page Number 242**
**Data**  [combo] single-choice

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

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

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

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

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

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

**Other Associated Elements**
- E00 Common Null Values
- E08_07 Incident Location Type
- E01_01 Patient Care Report Number

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

Data [combo] single-choice

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

XSD Data Type xs:string  XSD Domain (Simple Type) State
Multiple Entry Configuration No  Accepts Null Values Yes
Required in XSD No  Minimum Constraint 2  Maximum Constraint 3
XSD Structure: E08_11, E08_12, E08_14, E08_15 are all members of E08_11_0 Incident Address Structure

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

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

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

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

Other Associated Elements
- E00 Common Null Values  E01_01 Patient Care Report Number
- E08_07 Incident Location Type  E08_11 Incident Address
- E08_12 Incident City  E08_15 Incident ZIP Code

References in NHTSA Version 1
Essential Element 04 Incident State

References to Other Databases
- NFIRS 5.0 Basic Module 1; Title: State; 2 digit FIPS; Text Field Size = 2
**E08_15 INCIDENT ZIP CODE**

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

**XSD Data Type**  
-xs:string

**XSD Domain (Simple Type)**  
Zip

**Multiple Entry Configuration**  
No

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**Minimum Constraint**  
2

**Maximum Constraint**  
10

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

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

**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
- E08_07 Incident Location Type
- E08_12 Incident City
- E01_01 Patient Care Report Number
- E08_11 Incident Address
- E08_14 Incident State
**E09_01 PRIOR AID**

**Data**  [combo] multiple-choice

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

**XSD Data Type**  xs:string

**XSD Domain (Simple Type)**  PriorAid

**Multiple Entry Configuration**  Yes

**Accepts Null Values**  Yes

**Required in XSD**  Yes

**XSD Domain (Simple Type)**  PriorAid

**Minimum Constraint**  2

**Maximum Constraint**  30

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

**Additional Information**
- 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 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

Section E09  Situation
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 247
**E09_02 PRIOR AID PERFORMED BY**

**Definition**

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

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

**Multiple Entry Configuration**  Yes

**Accepts Null Values**  Yes

**Required in XSD**  Yes

**Field Values**

-25 Not Applicable
-15 Not Reporting
-5 Not Available
1200 Law Enforcement
1210 Other Healthcare Provider
1205 Lay Person
1215 Patient

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

E00 Common Null Values  
E01_01 Patient Care Report Number

---

Section E09  Situation  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1  
NHTS (NEMSIS) Page Number 248
**E09_03 OUTCOME OF THE PRIOR AID**

**Data**  
[combo] single-choice  

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

**XSD Data Type**  
xs:integer  

**XSD Domain (Simple Type)**  
OutcomeOfPriorAid  

**Multiple Entry Configuration**  
No  

**Accepts Null Values**  
Yes  

**Required in XSD**  
Yes

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
1225 Unchanged  

-20 Not Recorded  
-10 Not Known  
1220 Improved  
1230 Worse

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values  
- E01_01 Patient Care Report Number

---

**Section E09**  
**Situation**  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

**NHTS (NEMSIS) Page Number 249**
**E09_04 POSSIBLE INJURY**

**National Element**

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

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

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

**Required in XSD** Yes

**Field Values**
-25 Not Applicable  
-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
**E09_05  CHIEF COMPLAINT**

**Data**  
[text]

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

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

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

- Relevant Value for Data Element & Patient Care

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
Desirable Element 48 Chief Complaint
E09_06 DURATION OF CHIEF COMPLAINT

Data [number]

Definition
The time duration of the chief complaint

XSD Data Type xs:integer
XSD Domain (Simple Type) DurationOfChiefComplaint

Multiple Entry Configuration No
Accepts Null Values No

Required in XSD No
Minimum Constraint 1
Maximum Constraint 360

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

Field Values
• Relevant Value for Data Element & Patient Care

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

Data Collector
• EMS personnel

Other Associated Elements
E01_01 Patient Care Report Number
E09_05 Chief Complaint
E09_07 Time Units of Duration of Chief Complaint
E09_07  TIME UNITS OF DURATION OF CHIEF COMPLAINT

Data  [combo] single-choice

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

XSD Data Type  xs:integer  XSD Domain (Simple Type)  TimeUnitsOfChiefComplaint
Multiple Entry Configuration  No  Accepts Null Values  No
Required in XSD  No
XSD Structure: E09_06 and E09_07 are members of E09_06_0 Duration of Chief Complaint Structure

Field Values
1235  Seconds  1240  Minutes
1245  Hours  1250  Days
1255  Weeks  1260  Months
1265  Years  • Relevant Value for Data Element & Patient Care

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

Data Collector
• EMS personnel

Other Associated Elements
E01_01  Patient Care Report Number  E09_05  Chief Complaint
E09_06  Duration of Chief Complaint
E09_08 SECONDARY COMPLAINT NARRATIVE

Data  [text]

Definition
The narrative of the patient's secondary complaint

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

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

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable  Element 48  Chief Complaint
**E09_09 DURATION OF SECONDARY COMPLAINT**

**Data**
[number]

**Definition**
The duration of the secondary complaint

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>DurationOfSecondaryComplaint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>No</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>360</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E01_01 Patient Care Report Number
- E09_08 Secondary Complaint Narrative
- E09_10 Time Units of Duration of Secondary Complaint
**E09_10  ** TIME UNITS OF DURATION OF SECONDARY COMPLAINT

**Data**  [combo] single-choice

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

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

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

**Field Values**
1270  Seconds  1275  Minutes
1280  Hours    1285  Days
1290  Weeks    1295  Months
1300  Years

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E01_01  Patient Care Report Number
- E09_08  Secondary Complaint Narrative
- E09_09  Duration of Secondary Complaint

Section E09  Situation
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 256
E09_11  CHIEF COMPLAINT ANATOMIC LOCATION

Data [combo] single-choice

National Element

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

XSD Data Type xs:integer
XSD Domain (Simple Type) ComplaintAnatomicLocation

Multiple Entry Configuration No
Accepts Null Values Yes
Required in XSD Yes

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
1310 Back
1320 Extremity-Lower
1330 General/Global
1340 Head
1305 Abdomen
1315 Chest
1325 Extremity-Upper
1335 Genitalia
1345 Neck

Additional Information
-20 Not Recorded
-10 Not Known

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

Section E09  Situation
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 257
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**

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

**Additional Information**

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

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number
**E09_13 PRIMARY SYMPTOM**

**Data**  
[combo] single-choice

**National Element**

**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

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**Field Values**

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

**Additional Information**

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

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**

- Essential Element 52 Signs and Symptoms Present

---

Section E09  
Situation

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 259
E09_14 OTHER ASSOCIATED SYMPTOMS

Data [combo] multiple-choice

Definition
Other symptoms identified by the patient or observed by EMS personnel

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
1510 Bleeding
1525 Choking
1535 Device/Equipment Problem
1545 Drainage/Discharge
1555 Malaise
1565 Mental/Psych
1575 None
1585 Palpitations
1595 Swelling
1605 Weakness
1610 Wound

Additional Information
● This data element is used for Bioterrorism Syndromic Surveillance

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values E01_01 Patient Care Report Number

References in NHTSA Version 1
Essential Element 52 Signs and Symptoms Present

Section E09 Situation
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 260
**E09_15 PROVIDERS PRIMARY IMPRESSION**

**Data**  [combo] single-choice  

**National Element**

**Definition**

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

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

**Required in XSD** Yes

**Field Values**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>1620</td>
<td>Airway obstruction</td>
</tr>
<tr>
<td>1630</td>
<td>Altered level of consciousness</td>
</tr>
<tr>
<td>1640</td>
<td>Cardiac arrest</td>
</tr>
<tr>
<td>1650</td>
<td>Chest pain / discomfort</td>
</tr>
<tr>
<td>1660</td>
<td>Electrocardiogram</td>
</tr>
<tr>
<td>1670</td>
<td>Hypothermia</td>
</tr>
<tr>
<td>1680</td>
<td>Inhalation injury (toxic gas)</td>
</tr>
<tr>
<td>1690</td>
<td>Poisoning / drug ingestion</td>
</tr>
<tr>
<td>1700</td>
<td>Respiratory distress</td>
</tr>
<tr>
<td>1710</td>
<td>Seizure</td>
</tr>
<tr>
<td>1720</td>
<td>Smoke inhalation</td>
</tr>
<tr>
<td>1730</td>
<td>Stroke / CVA</td>
</tr>
<tr>
<td>1740</td>
<td>Traumatic injury</td>
</tr>
<tr>
<td>1615</td>
<td>Abdominal pain / problems</td>
</tr>
<tr>
<td>1625</td>
<td>Allergic reaction</td>
</tr>
<tr>
<td>1635</td>
<td>Behavioral / psychiatric disorder</td>
</tr>
<tr>
<td>1645</td>
<td>Cardiac rhythm disturbance</td>
</tr>
<tr>
<td>1655</td>
<td>Diabetic symptoms (hypoglycemia)</td>
</tr>
<tr>
<td>1665</td>
<td>Hyperthermia</td>
</tr>
<tr>
<td>1675</td>
<td>Hypovolemia / shock</td>
</tr>
<tr>
<td>1685</td>
<td>Obvious death</td>
</tr>
<tr>
<td>1695</td>
<td>Pregnancy / OB delivery</td>
</tr>
<tr>
<td>1705</td>
<td>Respiratory arrest</td>
</tr>
<tr>
<td>1715</td>
<td>Sexual assault / rape</td>
</tr>
<tr>
<td>1725</td>
<td>Stings / venomous bites</td>
</tr>
<tr>
<td>1735</td>
<td>Syncope / fainting</td>
</tr>
<tr>
<td>1745</td>
<td>Vaginal hemorrhage</td>
</tr>
</tbody>
</table>

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

Data [combo] single-choice

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

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

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

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

Data Collector
- EMS personnel

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number

References in NHTSA Version 1
- Essential Element 50 Providers Impression


**E10_01 CAUSE OF INJURY**

**Data**  
[combo] single-choice

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

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

**Required in XSD** Yes

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
9500 Aircraft related accident (E84X.0)  
9515 Chemical poisoning (E86X.0)  
9525 Drowning (E910.0)  
9535 Electrocution (non-lightning) (E925.0)  
9545 Excessive Heat (E900.0)  
9555 Fire and Flames (E89X.0)  
9565 Firearm injury (accidental) (E985.0)  
9575 Lightning (E907.0)  
9585 Mechanical Suffocation (E913.0)  
9595 Motor Vehicle traffic accident (E81X.0)  
9605 Non-Motorized Vehicle Accident (E848.0)  
9615 Radiation exposure (E926.0)  
9625 Smoke Inhalation (E89X.2)  
9635 Stabbing/Cutting Assault (E966.0)  
9645 Venemous stings (plants, animals) (E905.0)  
-20 Not Recorded  
-10 Not Known  
1885 Bites (E906.0)  
9505 Bicycle Accident (E826.0)  
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)

**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 personel 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
E10_02  INTENT OF THE INJURY

Data [combo] single-choice

Definition
The intent of the individual inflicting the injury

XSD Data Type xs:integer
XSD Domain (Simple Type) IntentOfInjury

Multiple Entry Configuration No
Accepts Null Values Yes
Required in XSD No

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
2025 Intentional, Self

-20 Not Recorded
-10 Not Known
2020 Intentional, Other (Assaulted)
2030 Unintentional

Additional Information
● Complete only if Possible Injury (E09_04) is “Yes”

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

Data Collector
● EMS personnel if Possible Injury (E09_04) is answered Yes

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable Element 54 Injury Intent

References to Other Databases
● NFIRS 5.0 EMS Module; Title: Other Factors; Describes the other factors that contributed to the patient’s injury. Not to be completed with an illness.; Pick-List: Accidental = 1, Self-Inflicted = 2, Inflicted, Not Self. Included are attacks by animals and persons = 3, None or No Other Factors = N
E10_03 MECHANISM OF INJURY

Data [combo] multiple-choice

Definition
The mechanism of the event which caused the injury.

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
2040 Burn
2050 Penetrating

2035 Blunt

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

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

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

Other Associated Elements
E00 Common Null Values  E01_01 Patient Care Report Number
**E10_04 VEHICULAR INJURY INDICATORS**

**Data**
[combo] multiple-choice

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

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

**Multiple Entry Configuration** Yes  **Accepts Null Values** Yes

**Required in XSD** No

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

**Additional Information**
● Complete only if Possible Injury (E09_04) is “Yes”

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

**Data Collector**
● EMS personnel if Possible Injury (E09_04) is answered Yes and there is a vehicle involved

**Other Associated Elements**
E00 Common Null Values
E01_01 Patient Care Report Number
E10_05  AREA OF THE VEHICLE IMPACTED BY THE COLLISION

Data          [combo] multiple-choice

Definition
The area or location of impact on the vehicle

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
2105 Center Rear
2115 Left Rear
2125 Right Front
2135 Right Side
2100 Center Front
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

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

NHTS (NEMSI S) Page Number 271
E10_06  SEAT ROW LOCATION OF PATIENT IN VEHICLE

Data  [text]

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

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

Field Values
- Relevant Value for Data Element & Patient Care
- If a value of 50 is passed, the location is designated "Cargo Area"

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

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

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

Other Associated Elements
E01_01  Patient Care Report Number  E10_07  Position of Patient in the Seat of the Vehicle
E10_07  POSITION OF PATIENT IN THE SEAT OF THE VEHICLE

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

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

Multiple Entry Configuration  No  Accepts Null Values  Yes

Required in XSD  No
XSD Structure:  E10_06 and E10_07 are members of E10_06_0 Position of Patient Structure

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

Additional Information
● Complete only if Possible Injury (E09_04) is “Yes”

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

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

Other Associated Elements
E00  Common Null Values  E01_01  Patient Care Report Number
E10_06  Seat Row Location of Patient in Vehicle
**E10_08 USE OF OCCUPANT SAFETY EQUIPMENT**

**Data**
[combo] multiple-choice

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

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

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

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

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

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

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
- Essential Element 55 Safety Equipment

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Safety Equipment; Multiple Select Pick-List: Safety, Seat Belts =1, Child Safety Seat = 2, Airbag = 3, Helmet = 4, Protective Clothing = 5, Flotation Device = 6, None or No Safety Equipment = N, Other Safety Equipment Used = O, Undetermined Safety Equipment = U
**E10_09 AIRBAG DEPLOYMENT**

**Data**

[combo] multiple-choice

**Definition**

Indication of Airbag deployment during the motor vehicle crash.

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
AirbagDeployment

**Multiple Entry Configuration**  
Yes

**Accepts Null Values**  
Yes

**Required in XSD**  
No

**Field Values**

-25 Not Applicable  
-20 Not Recorded

-15 Not Reporting  
-10 Not Known

-5 Not Available  
2215 No Airbag Present

2220 No Airbag Deployed  
2225 Airbag Deployed Front

2230 Airbag Deployed Side  
2235 Airbag Deployed Other (knee, airbelt, etc.)

**Additional Information**

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

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

E00 Common Null Values  
E01_01 Patient Care Report Number

**References in NHTSA Version 1**

Essential Element  
55 Safety Equipment

**References to Other Databases**

- NFIRS 5.0  
EMS Module; Title: Safety Equipment; Multiple Select Pick-List: Safety, Seat Belts =1, Child Safety Seat = 2, Airbag = 3, Helmet = 4, Protective Clothing = 5, Flotation Device = 6, None or No Safety Equipment = N, Other Safety Equipment Used = O, Undetermined Safety Equipment = U
E10_10  HEIGHT OF FALL

Data  [number]

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

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

Field Values
- Relevant Value for Data Element & Patient Care

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

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

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

Other Associated Elements
- E01_01  Patient Care Report Number
E11_01 CARDIAC ARREST

Data [combo] single-choice

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

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
2240 Yes, Prior to EMS Arrival
2245 Yes, After EMS Arrival

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

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

Data Collector
- EMS personnel

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number

References to Other Databases
- NFIRS 5.0 EMS Module; Title: Cardiac Arrest; Pick-List: Pre-Arrival Arrest = 1, Post-Arrival Arrest = 2
- UTSTEIN Title: Confirmed Cardiac Arrests Considered for Resuscitation
E11_02 CARDIAC ARREST ETIOLOGY

Data [combo] single-choice

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

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
2255 Trauma
2265 Respiratory
2275 Other
2250 Presumed Cardiac
2260 Drowning
2270 Electrocution

Additional Information
● Complete only if Cardiac Arrest (E11_01) is “Yes”

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

Data Collector
● EMS personnel if Cardiac Arrest (E11_01) is answered Yes

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References to Other Databases
● UTSTEIN Title: Cardiac Etiology; Presumed Cardiac = C, Trauma = T, Drowning = D, Respiratory = R, Other = O, Unknown = U
**Data**  [combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ResuscitationAttempted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes</td>
<td>Accepts Null Values</td>
<td>Yes</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>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>2280</td>
<td>Attempted Defibrillation</td>
</tr>
<tr>
<td>2290</td>
<td>Initiated Chest Compressions</td>
</tr>
<tr>
<td>2295</td>
<td>Not Attempted-Considered Futile</td>
</tr>
<tr>
<td>2300</td>
<td>Not Attempted-DNR Orders</td>
</tr>
<tr>
<td>2305</td>
<td>Not Attempted-Signs of Circulation</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 type of resuscitation initiated during a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population which resulted in resuscitative efforts

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

**Other Associated Elements**

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

**References to Other Databases**
- UTSTEIN Title: Resuscitations Attempted; Attempted Defibrillation = D, Attempted Chest Compressions = C, Attempted Ventilation = V, Not Attempted-DNR Orders = R, Not Attempted-Considered Futile = F, Not Attempted-Signs of Circulation = A, Unknown = U, Not Record
**E11_04 ARREST WITNESSED BY**

**Data**  
[combo] single-choice

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

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

**Field Values**
-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
2310 Witnessed by Healthcare Provider  
2315 Witnessed by Lay Person  
2320 Not Witnessed

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

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

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

**Other Associated Elements**
- E00 Common Null Values  
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
- Desirable Element 62 Witness of Cardiac Arrest

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Pre-Arrival Details; Pick-List: Witnessed = 1, Bystander CPR = 2
- UTSTEIN Title: Arrest Witnessed/Monitored; [combo] Lay Person = L, Healthcare Provider = H
**E11_05  FIRST MONITORED RHYTHM OF THE  PATIENT**

**Data**
[combo] single-choice

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

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

**Field Values**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>2330</td>
<td>Bradycardia</td>
</tr>
<tr>
<td>2340</td>
<td>Other</td>
</tr>
<tr>
<td>2350</td>
<td>Unknown AED Non-Shockable Rhythm</td>
</tr>
<tr>
<td>2360</td>
<td>Ventricular Fibrillation</td>
</tr>
<tr>
<td>2325</td>
<td>Asystole</td>
</tr>
<tr>
<td>2335</td>
<td>Normal Sinus Rhythm</td>
</tr>
<tr>
<td>2345</td>
<td>PEA</td>
</tr>
<tr>
<td>2355</td>
<td>Unknown AED Shockable Rhythm</td>
</tr>
<tr>
<td>2365</td>
<td>Ventricular Tachycardia</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 First Monitored Rhythm of a cardiac arrest
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

**Data Collector**

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

**Other Associated Elements**

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

**References to Other Databases**

- NFIRS 5.0  EMS Module; Title: Initial Arrest Rhythm; Pick-List: V-Fib/V-Tach = 1, Other = O, Undetermined = U
- UTSTEIN  Title: First Monitored Rhythm Shockable (in Cardiac Arrest) and First Monitored Rhythm Non-Shockable; [combo] Ventricular Fibrillation, Ventricular Tachycardia, Unknown AED Shockable Rhythm, Asystole, PEA, Bradycardia, Other, Unknown AED Non-Shockable Rh
E11_06  ANY RETURN OF SPONTANEOUS CIRCULATION

Data  [combo] single-choice

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

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

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -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 = No, U = Unknown
**E11_08 ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL**

**Data**
[combo] single-choice

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

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

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

**Required in XSD** No

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

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

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

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

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

---

Section E11  
Situation/ CPR  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E11_09 DATE/TIME RESUSCITATION DISCONTINUED

Data [date/time]

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:dateTime</th>
<th>XSD Domain (Simple Type)</th>
<th>DateTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>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
- Complete only if Cardiac Arrest (E11_01) is “Yes”
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

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

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

Other Associated Elements
- E01_01 Patient Care Report Number

References in NHTSA Version 1
Desirable Element 60 Time CPR Discontinued
E11_10  REASON CPR DISCONTINUED

Data  [combo] single-choice

Definition  The reason that CPR or the resuscitation efforts were discontinued.

<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>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number
**E11_11 CARDIAC RHYTHM ON ARRIVAL AT DESTINATION**

**Data**  
[combo] multiple-choice

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

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

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

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

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

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

**Other Associated Elements**
E00 Common Null Values
E01_01 Patient Care Report Number

**References in NHTSA Version 1**
Desirable Element 67 Rhythm at Destination
**E12_01 BARRIERS TO PATIENT CARE**

**Data** [combo] multiple-choice

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

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
- Desirable Element 56 Factors Affecting EMS Delivery of Care

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Human Factors; Describes the human factors that contributed to the patient’s injury; Pick-List: Asleep = 1, Unconscious = 2, Possibly Impaired by Alcohol = 3, Possibly Impaired by Other Drug or Chemical = 4, Possibly Mentally Disabled = 5, Physically Disabled = 6, Physically Restrained = 7, Unattended or Unsupervised Person, Included are too young to act = 8, None or No Human Factors = N
E12_02  SENDING FACILITY MEDICAL RECORD NUMBER

Data  [text]

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

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-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 patient’s medical record number at the patient’s receiving facility

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

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

● Relevant Value for Data Element & Patient Care

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

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

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number
**E12_07 ADVANCED DIRECTIVES**

**Data**  
[combo] multiple-choice

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

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

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

**Multiple Entry Configuration**  
Yes

**Accepts Null Values**  
Yes

**Required in XSD**  
No

**Field Values**

- `-25` Not Applicable
- `-15` Not Reporting
- `-5` Not Available
- `-20` Not Recorded
- `-10` Not Known
- `2645` State/EMS DNR Form
- `2650` Other Healthcare DNR Form
- `2655` Living Will
- `2660` Family/Guardian request DNR (but no documentation)
- `2665` Other
- `2670` None

**Additional Information**

- DNR = Do Not Resuscitate

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- `E00` Common Null Values
- `E01_01` Patient Care Report Number
- `E06_01` Last Name
E12_18 PRESENCE OF EMERGENCY INFORMATION FORM

Data [combo] single-choice

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

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

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

-20 Not Recorded
-10 Not Known
0 No

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

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

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number
**E12_19 ALCOHOL/ DRUG USE INDICATORS**

**Data**
[combo] multiple-choice  

**National Element**

**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 Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Required in XSD** Yes

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values  
- E01_01 Patient Care Report Number

**References in NHTSA Version 1**
- Essential Element 57 Suspected Alcohol/Drug Use

**References to Other Databases**
- NFIRS 5.0 EMS Module; Title: Human Factors; Describes the human factors that contributed to the patient’s injury;  
  Pick-List: Asleep = 1, Unconscious = 2, Possibly Impaired by Alcohol = 3, Possibly Impaired by Other Drug or Chemical = 4, Possibly Mentally Disabled = 5, Physically Disabled = 6, Physically Restrained = 7, Unattended or Unsupervised Person, Included are too young to act = 8, None or No Human Factors = N
**E12_20** PREGNANCY

**Data** [combo] single-choice

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

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

| **Required in XSD** | No |

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
1 Yes

-20 Not Recorded
-10 Not Known
0 No

**Uses**
- Part of an EMS Medical Record

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

---

**Section E12 Medical History**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 309
**E14_01 DATE/TIME VITAL SIGNS TAKEN**

**Data**  
[date/time]

**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 Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
</tbody>
</table>

**Required in XSD**  
No

**Minimum Constraint**  
1,990

**Maximum Constraint**  
2,030

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

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

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

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

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

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

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

---

*Section E14 Assessment/ Vital Signs*  
*NHTS (NEMSIS) Page Number 313*  
*2006 NHTSA Uniform PreHospital Dataset V.2.2.1*
E14_02 OBTAINED PRI OR TO THI S UNITS EMS CARE

Data [combo] single-choice

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

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

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

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

Additional Information
● If E14_02 is “Yes”, the Date/Time Vital Signs Taken (E14_01) is not required

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values E01_01 Patient Care Report Number
E14_01 Date/Time Vital Signs Taken
Data [combo] multiple-choice

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

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

Required in XSD No
XSD Structure: Each element of section E14 is associated with an E14_01 Date/Time

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

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

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

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

References in NHTSA Version 1
Desirable Element 66 Initial Cardiac Rhythm

Section E14 Assessment/ Vital Signs
NHTS (NEMSIS) Page Number 315
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E14_04  SBP (SYSTOLIC BLOOD PRESSURE)

Data  [number]

Definition
The patient's systolic blood pressure

XSD Data Type  xs:integer  XSD Domain (Simple Type)  SBP
Multiple Entry Configuration  Yes, via structure  Accepts Null Values  Yes, but null value is blank or empty
Required in XSD  No  Minimum Constraint  0  Maximum Constraint  400

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

Field Values
- Relevant Value for Data Element & Patient Care

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

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

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

Other Associated Elements
- E01_01  Patient Care Report Number
- E14_05  DBP (Diastolic Blood Pressure)
- E14_06  Method of Blood Pressure Measurement
- E14_01  Date/Time Vital Signs Taken

References in NHTSA Version 1
Essential  Element  70  Systolic Blood Pressure

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

NHTS (NEMSI S) Page Number 316

157
**E14_05 DBP (DIASTOLIC BLOOD PRESSURE)**

**Data** [number]

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

**XSD Data Type** xs:integer

**XSD Domain (Simple Type)** DBP

**Multiple Entry Configuration** Yes, via structure

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

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 300

XSD Structure: (1) Each element 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
**E14_06  METHOD OF BLOOD PRESSURE MEASUREMENT**

**Data**
[combo] single-choice

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

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

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

**Multiple Entry Configuration**  Yes, via structure

**Accepts Null Values**  No

**Required in XSD**  No

**XSD Structure:**
(1) Each element 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
- 3155 Automated Cuff
- 3160 Manual Cuff
- 3165 Palpated Cuff
- 3170 Venous Line

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

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

**Other Associated Elements**
- E01_01 Patient Care Report Number
- E14_04 SBP (Systolic Blood Pressure)
- E14_01 Date/Time Vital Signs Taken
- E14_05 DBP (Diastolic Blood Pressure)
**E14_07 PULSE RATE**

**Data**
[number]

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

<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 Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

**Additional Information**
* Could be collected from Device Pulse Rate (E21_13)

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

**Data Collector**
* EMS personnel or may be provided electronically through a medical device

**Other Associated Elements**
* E01_01 Patient Care Report Number
* E14_01 Date/Time Vital Signs Taken

**References in NHTSA Version 1**
Essential Element 65 Pulse Rate

**References to Other Databases**
* NFIRS 5.0 EMS Module; Title: Patient Pulse; Presence of a Pulse at the time of patient transfer to another service.; Pick-List: Pulse on Transfer = 1, No; Pulse of Transfer = 2
**E14_08 ELECTRONIC MONITOR RATE**

**Data**

[number]

**Definition**

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

**XSD Data Type** xs:integer  
**XSD Domain (Simple Type)** ElectricMonitorRate  
**Multiple Entry Configuration** Yes, via structure  
**Accepts Null Values** Yes, but null value is blank or empty  
**Required in XSD** No  
**Minimum Constraint** 0  
**Maximum Constraint** 500

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

**Field Values**

● Relevant Value for Data Element & Patient Care

**Additional Information**

● Could be collected from Device Heart Rate (E21_12)

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

E01_01 Patient Care Report Number  
E14_01 Date/Time Vital Signs Taken
**E14_09 PULSE OXIMETRY**

**Data**  
[number]

**Definition**  
The patient's oxygen saturation

- **XSD Data Type**: xs:integer  
- **XSD Domain (Simple Type)**: PulseOximetry  
- **Multiple Entry Configuration**: Yes, via structure  
- **Accepts Null Values**: Yes, but null value is blank or empty  
- **Required in XSD**: No  
- **Minimum Constraint**: 0  
- **Maximum Constraint**: 100

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

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

**Additional Information**  
- Could be collected from Device Pulse Oximetry (E21_17)

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

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

**Other Associated Elements**  
- E01_01 Patient Care Report Number  
- E14_01 Date/Time Vital Signs Taken
**E14_10 PULSE RHYTHM**

**Data**  
[combo] single-choice

**Definition**  
The clinical rhythm of the patient's pulse (regular, irregular, etc.)

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

**Required in XSD**  
No

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

**Field Values**

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

-20 Not Recorded
-10 Not Known
3175 Regular

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

- **E00** Common Null Values
- **E01_01** Patient Care Report Number
- **E14_01** Date/Time Vital Signs Taken
**E14_11 RESPIRATORY RATE**

**Data**  
[number]

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

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

**Required in XSD**  
No

**Minimum Constraint**  
0

**Maximum Constraint**  
100

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

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

**Additional Information**  
- Could be collected from Device Respiratory Rate (E21_16)

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

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

**Other Associated Elements**
- E01_01 Patient Care Report Number
- E14_01 Date/Time Vital Signs Taken

**References in NHTSA Version 1**
- Essential Element 68 Respiratory Rate
**E14_12 RESPIRATORY EFFORT**

**Data**  [text]

**Definition**
The patient's respiratory effort

**XSD Data Type** \(\text{xs:integer}\)  \(\text{XSD Domain (Simple Type)}\) \(\text{RespiratoryEffort}\)

**Multiple Entry Configuration** Yes, via structure  \(\text{Accepts Null Values}\) Yes

**Required in XSD** No

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

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

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

**Data Collector**
- EMS personnel

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

**References in NHTSA Version 1**
- Desirable Element 69 Respiratory Effort
E14_13 CARBON DIOXIDE

**Data**
[number]

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

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

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

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

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

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

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

**Other Associated Elements**
- E01_01 Patient Care Report Number
- E14_01 Date/Time Vital Signs Taken
Data [number]

Definition The patient's blood glucose level

XSD Data Type xs:integer XSD Domain (Simple Type) BloodGlucoseLevel
Multiple Entry Configuration Yes, via structure Accepts Null Values Yes, but null value is blank or empty
Required in XSD No Minimum Constraint 0 Maximum Constraint 2,000

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

Field Values
● Relevant Value for Data Element & Patient Care

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

Data Collector
● EMS personnel or may be provided electronically through a medical device

Other Associated Elements
E01_01 Patient Care Report Number E14_01 Date/Time Vital Signs Taken
**E14_18 GLASGOW COMA SCORE-QUALIFIER**

**Data**  
[combo] single-choice

**Definition**
Documentation of factors which make the GCS score more meaningful.

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

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

**Required in XSD**  No

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

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

-20 Not Recorded
-10 Not Known

3210 Initial GCS has legitimate values without interventions such as intubation and sedation

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>

---

**Section E14  Assessment/ Vital Signs**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 330

---

168
E14_19 TOTAL GLASGOW COMA SCORE

Data [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 Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Field Values
● Relevant Value for Data Element & Patient Care

Additional Information
● Calculated 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
<table>
<thead>
<tr>
<th>E01_01</th>
<th>Patient Care Report Number</th>
<th>E14_01</th>
<th>Date/Time Vital Signs Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>E14_15</td>
<td>Glasgow Coma Score-Eye</td>
<td>E14_16</td>
<td>Glasgow Coma Score-Verbal</td>
</tr>
<tr>
<td>E14_17</td>
<td>Glasgow Coma Score-Motor</td>
<td>E14_18</td>
<td>Glasgow Coma Score-Qualifier</td>
</tr>
</tbody>
</table>

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

Section E14 Assessment/ Vital Signs
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
NHTS (NEMSIS) Page Number 331
**E14_20 TEMPERATURE**

**Data**  
[number]

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

**XSD Data Type**  
xs:decimal

**XSD Domain (Simple Type)**  
BodyTemperature

**Multiple Entry Configuration**  
Yes, via structure

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

**Required in XSD**  
No

**Minimum Constraint**  
0

**Maximum Constraint**  
50

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

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

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

**Data Collector**  
● EMS personnel or may be provided electronically through a medical device

**Other Associated Elements**  
E01_01 Patient Care Report Number  
E14_01 Date/Time Vital Signs Taken  
E14_21 Temperature Method
E14_21 TEMPERATURE METHOD

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

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

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

Field Values
3230 Axillary
3240 Rectal
3250 Urinary catheter

3235 Oral
3245 Tympanic

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

Data Collector
• EMS personnel or may be provided electronically through a medical device

Other Associated Elements
E01_01 Patient Care Report Number
E14_01 Date/Time Vital Signs Taken
E14_20 Temperature
**E14_22 LEVEL OF RESPONSIVENESS**

**Data**
[combo] single-choice

**Definition**
The patient's level of responsiveness

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

**Required in XSD**
No

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

**Field Values**
-25 Not Applicable
-20 Not Recorded
-15 Not Reporting
-10 Not Known
-5 Not Available
-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
- E14_01 Date/Time Vital Signs Taken
- E01_01 Patient Care Report Number

---

*Section E14*  
Assessment/ Vital Signs  
*NHTS (NEMSIS) Page Number 334*
**E14_23  PAIN SCALE**

**Data**  
[number]

**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>
<th>XSD Domain (Simple Type)</th>
<th>PainScale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes, but null value is blank or empty</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XSD Structure: Each element in section E14 is associated with an E14_01 Date/Time Field.

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

**Additional Information**  
- Number from 0 to 10

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

**Data Collector**  
- EMS agency

**Other Associated Elements**  
- E01_01 Patient Care Report Number  
- E14_01 Date/Time Vital Signs Taken
E14_24 STROKE SCALE

Data [combo] single-choice

**Definition**

The patient’s Los Angeles or Cincinnati Stroke Scale Results

**XSD Data Type** xs:integer

**XSD Domain (Simple Type)** StrokeScale

**Multiple Entry Configuration** Yes, via structure

**Accepts Null Values** Yes

**Required in XSD** No

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

**Field Values**

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

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

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

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

NHTS (NEMSIS) Page Number 336
E14_25 THROMBOLYTIC SCREEN

Data [combo] single-choice

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

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

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

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

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

Data Collector
● EMS personnel

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

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

NHTS (NEMSI S) Page Number 337
E14_27 REVISED TRAUMA SCORE

Data [number]

Definition
The patient's Revised Trauma Score

XSD Data Type xs:integer
XSD Domain (Simple Type) RTS
Multiple Entry Configuration Yes, via structure
Accepts Null Values Yes, but null value is blank or empty
Required in XSD No
Minimum Constraint 0
Maximum Constraint 12

XSD Structure: Each element 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

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

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

**Required in XSD**  No  **Minimum Constraint**  -6  **Maximum Constraint**  12

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

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

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

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

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

**Other Associated Elements**
- E01_01  Patient Care Report Number
- E14_01  Date/Time Vital Signs Taken
**E15_01  NHTSA INJURY MATRIX EXTERNAL/ SKIN**

**Data**
[combo] multiple-choice

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

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

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

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

**References to Other Databases**
- **NFIRS 5.0** EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N
- **NFIRS 5.0** EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
E15_02  NHTSA INJURY MATRIX HEAD

Data  [combo] multiple-choice

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

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

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

Additional Information
● Blunt Injury Removed from NHTSA 1.0

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

Data Collector
● EMS personnel

Other Associated Elements
E00  Common Null Values  E01_01  Patient Care Report Number

References in NHTSA Version 1
Essential  Element 53  Injury Description
**E15_03 NHTSA INJURY MATRIX FACE**

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

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

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

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

**Data**  [combo] multiple-choice

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

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

**Multiple Entry Configuration** Yes  **Accepts Null Values** Yes

**Required in XSD** No

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- **E00** Common Null Values
- **E01_01** Patient Care Report Number

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

**References to Other Databases**
- **NFIRS 5.0** EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts):  Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N
- **NFIRS 5.0** EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List:  Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
**E15_05 NHTSA INJURY MATRIX THORAX**

**Data**
[combo] multiple-choice

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

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

**Field Values**
- -25 Not Applicable
- -15 Not Reporting
- -5 Not Available
- 3325 Bleeding Controlled
- 3335 Burn
- 3345 Dislocation Fracture
- 3355 Laceration
- 3365 Puncture/stab
- 3320 Amputation
- 3330 Bleeding Uncontrolled
- 3340 Crush
- 3350 Gunshot
- 3360 Pain without swelling/bruising
- 3370 Soft Tissue Swelling/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
E15_06NHTSA INJURY MATRIX ABDOMEN

Data [combo] multiple-choice

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

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

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

Section E15 Assessment/ Injury
NHTS (NEMSIS) Page Number 347
**E15_07 NHTSA INJURY MATRIX SPINE**

**Data**
[combo] multiple-choice

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

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

**Multiple Entry Configuration** Yes  
**Accepts Null Values** Yes

**Required in XSD** No

**Field Values**
-25 Not Applicable  
-20 Not Recorded  
-15 Not Reporting  
-10 Not Known  
-5 Not Available  
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
E15_08 NHTSA INJURY MATRIX UPPER EXTREMITIES

Data [combo] multiple-choice

Definition
Type of injury identified and associated with the Upper Extremities

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3325 Bleeding Controlled
3335 Burn
3345 Dislocation Fracture
3355 Laceration
3365 Puncture/stab
-20 Not Recorded
-10 Not Known
3330 Bleeding Uncontrolled
3340 Crush
3350 Gunshot
3360 Pain without swelling/bruising
3370 Soft Tissue Swelling/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
E15_09 NHTSA INJURY MATRIX PELVIS

Data [combo] multiple-choice

Definition
Type of injury identified and associated with the Pelvis

<table>
<thead>
<tr>
<th>Data Collector</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS personnel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25 Not Applicable</td>
</tr>
<tr>
<td>-15 Not Reporting</td>
</tr>
<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>-20 Not Recorded</td>
</tr>
<tr>
<td>-10 Not Known</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/Brusing</td>
</tr>
</tbody>
</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
**E15_10 NHTSA INJURY MATRIX LOWER EXTREMITIES**

**Data**

[combo] multiple-choice

**Definition**

Type of injury identified and associated with the Lower Extremities

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

**Field Values**

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

-20 Not Recorded
-10 Not Known
3230 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

**References in NHTSA Version 1**

Essential Element 53 Injury Description

**References to Other Databases**

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

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

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Section E15  Assessment/ Injury

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSI S) Page Number 351
E15_11  NHTSA INJURY MATRIX UNSPECIFIED

Data [combo] multiple-choice

Definition Type of injury identified and associated with Unspecified

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

Required in XSD No

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

Additional Information
- Blunt Injury Removed from NHTSA 1.0

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

Data Collector
- EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References in NHTSA Version 1
Essential Element 53 Injury Description

References to Other Databases
- NFIRS 5.0 EMS Module; Title: Body Site of Injury; Describes parts of the body where injuries occurred.; Pick-List (limited to 5 max body parts): Head = 1, Neck and Shoulder = 2, Thorax, Includes Chest and Back, Excludes Spine = 3, Abdomen = 4, Spine = 5, Upper Extremities = 6, Lower Extremities = 7, Internal = 8, Multiple Body Parts = 9, No Body Site of Injury = N
- NFIRS 5.0 EMS Module; Title: Injury Type; Describes the primary injuries sustained by a patient for each part of the body.; Pick-List: Amputation = 10, Blunt Injury = 11, Burn = 12, Crush = 13, Dislocation/Fracture = 14, Gunshot = 15, Laceration = 16, Pain Without Swelling = 17, Puncture/Stab = 18, Soft Tissue Swelling = 19, Other Injury Type = 00
E16_01  ESTIMATED BODY WEIGHT

Data  [number]

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

XSD Data Type  xs:integer  XSD Domain (Simple Type)  EstimatedBodyWeight
Multiple Entry Configuration  No  Accepts Null Values  No
Required in XSD  No  Minimum Constraint  1  Maximum Constraint  500

Field Values
● Relevant Value for Data Element & Patient Care

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

Data Collector
● EMS personnel

Other Associated Elements
E01_01  Patient Care Report Number
E16_02  BROSELOW/ LUTEN COLOR

**Data**  [combo] single-choice

**Definition**
The Broselow/Luten Color as take from the tape

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3380 Green
3390 Orange
3400 Purple
3410 White
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

Section E16  Assessment/ Exam

NHTS (NEMSIS) Page Number 355

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E16_04 SKIN ASSESSMENT

Data [combo] multiple-choice

Definition
The assessment of the patient's skin on examination

XSD Data Type xs:integer
XSD Domain (Simple Type) SkinAssessment
Multiple Entry Configuration Yes, via structure
Accepts Null Values Yes
Required in XSD No
XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

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

Additional Information
● Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
● EMS personnel

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

References in NHTSA Version 1
Desirable Element 72 Skin Perfusion
**E16_05 HEAD/ FACE ASSESSMENT**

**Data**
[combo] multiple-choice

**Definition**
The assessment of the patient’s face on examination

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

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

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- 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

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Section E16  
Assessment/ Exam  
NHTS (NEMSI S) Page Number 359

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

194
**E16_06 NECK ASSESSMENT**

**Data**
[combo] multiple-choice

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

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

**Required in XSD** No

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

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

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

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

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

NHTS (NEMSIS) Page Number 360
**E16_07 CHEST/LUNGS ASSESSMENT**

**Data**
[combo] multiple-choice

**Definition**
The assessment of the patient’s chest on examination

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

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

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

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

**Data Collector**
- EMS personnel

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

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Section E16 Assessment/ Exam  
NHTS (NEMSIS) Page Number 361  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E16_08 HEART ASSESSMENT**

**Data**
[combo] multiple-choice

**Definition**
The assessment of the patient's heart on examination

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

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

**Required in XSD** No

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

**Field Values**
-25 Not Applicable  
-20 Not Recorded  
-15 Not Reporting  
-10 Not Known  
-5 Not Available  
3600 Not Done  
3610 Murmur

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
<th>E01_01</th>
<th>Patient Care Report Number</th>
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</thead>
<tbody>
<tr>
<td>E16_03</td>
<td>Date/Time of Assessment</td>
<td>E16_05</td>
<td>Head/ Face Assessment</td>
</tr>
<tr>
<td>E16_06</td>
<td>Neck Assessment</td>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
</tr>
<tr>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
<td>E16_09</td>
<td>Abdomen Left Upper Assessment</td>
</tr>
<tr>
<td>E16_10</td>
<td>Abdomen Left Lower Assessment</td>
<td>E16_11</td>
<td>Abdomen Right Upper Assessment</td>
</tr>
<tr>
<td>E16_12</td>
<td>Abdomen Right Lower Assessment</td>
<td>E16_13</td>
<td>GU Assessment</td>
</tr>
<tr>
<td>E16_14</td>
<td>Back Cervical Assessment</td>
<td>E16_15</td>
<td>Back Thoracic Assessment</td>
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<td>E16_22</td>
<td>Eyes-Right Assessment</td>
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<td>Mental Status Assessment</td>
</tr>
<tr>
<td>E16_24</td>
<td>Neurological Assessment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
E16_09 ABDOMEN LEFT UPPER ASSESSMENT

Data [combo] multiple-choice

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

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

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3620 Not Done
3630 Guarding
3640 Tenderness

-20 Not Recorded
-10 Not Known
3615 Normal
3625 Distention
3635 Mass

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

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_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

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

NHTS (NEMSI S) Page Number 363
E16_10 ABDOMEN LEFT LOWER ASSESSMENT

Data [combo] multiple-choice

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

XSD Data Type xs:integer
XSD Domain (Simple Type) AbdomenLowerLeftAssessment
Multiple Entry Configuration Yes, via structure
Accepts Null Values Yes
Required in XSD No
XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

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

Additional Information
● Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values
E16_03 Date/Time of Assessment
E16_05 Head/Face Assessment
E16_07 Chest/Lungs Assessment
E16_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 Lower Left 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

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

NHTS (NEMSIS) Page Number 364
**E16_11 ABDOMEN RIGHT UPPER ASSESSMENT**

**Data**  
[combo] multiple-choice

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

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

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

**Field Values**

-25 Not Applicable  
-15 Not Reporting  
-5 Not Available  
3680 Not Done  
3690 Guarding  
3700 Tenderness

**3675 Normal**

**3685 Distention**

**3695 Mass**

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
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</thead>
<tbody>
<tr>
<td>E16_03</td>
<td>Date/Time of Assessment</td>
</tr>
<tr>
<td>E16_05</td>
<td>Head/Face Assessment</td>
</tr>
<tr>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
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<tr>
<td>E16_09</td>
<td>Abdomen Left Upper Assessment</td>
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<td>E16_12</td>
<td>Abdomen Right Lower Assessment</td>
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<td>E16_14</td>
<td>Back Cervical Assessment</td>
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<tr>
<td>E16_16</td>
<td>Back Lumbar/Sacral Assessment</td>
</tr>
<tr>
<td>E16_18</td>
<td>Extremities-Right Lower Assessment</td>
</tr>
<tr>
<td>E16_20</td>
<td>Extremities-Left Lower Assessment</td>
</tr>
<tr>
<td>E16_22</td>
<td>Eyes-Right Assessment</td>
</tr>
<tr>
<td>E16_24</td>
<td>Neurological Assessment</td>
</tr>
</tbody>
</table>

| E01_01 | Patient Care Report Number |
| E16_04 | Skin Assessment |
| E16_06 | Neck Assessment |
| E16_08 | Heart Assessment |
| E16_10 | Abdomen Left Lower Assessment |
| E16_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 |
Data  [combo] multiple-choice

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

XSD Data Type     xs:integer     XSD Domain (Simple Type)     AbdomenRightLowerAssessment
Multiple Entry Configuration     Yes, via structure     Accepts Null Values     Yes
Required in XSD     No
XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values
-25 Not Applicable
-15 Not Reporting
-10 Not Known
-5 Not Available
3705 Normal
3710 Not Done
3715 Distention
3720 Guarding
3725 Mass
3730 Tenderness

Additional Information
● Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values     E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment     E16_04 Skin Assessment
E16_05 Head/face Assessment     E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment     E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment     E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment     E16_13 GU Assessment
E16_14 Back Cervical Assessment     E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment     E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment     E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment     E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment     E16_23 Mental Status Assessment
E16_24 Neurological Assessment
**E16_13 GU ASSESSMENT**

**Data**  
[combo] multiple-choice

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

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
GUAssessment

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Values**  
Yes

**Required in XSD**  
No

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3740 Not Done
3750 Genital Injury
3760 Unstable
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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
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</thead>
<tbody>
<tr>
<td>E16_03</td>
<td>Date/Time of Assessment</td>
</tr>
<tr>
<td>E16_05</td>
<td>Head/Face Assessment</td>
</tr>
<tr>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
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<tr>
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<td>E16_19</td>
<td>Extremities-Left Upper Assessment</td>
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<tr>
<td>E16_21</td>
<td>Eyes-Left Assessment</td>
</tr>
<tr>
<td>E16_23</td>
<td>Mental Status Assessment</td>
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</table>

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Section E16 Assessment/ Exam  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1  
NHTS (NEMSI S) Page Number 367
E16_14 BACK CERVICAL ASSESSMENT

Data  [combo] multiple-choice

Definition
The assessment of the patient's back-cervical on examination

XSD Data Type  xs:integer  XSD Domain (Simple Type)  BackCervicalAssessment
Multiple Entry Configuration  Yes, via structure  Accepts Null Values  Yes
Required in XSD  No
XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values
-25 Not Applicable
-20 Not Recorded
-15 Not Reporting
-10 Not Known
-5 Not Available
3765 Normal
3770 Not Done
3775 Pain to ROM
3780 Tender Para-spinous
3785 Tender Spinous Process

Additional Information
● Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
● EMS personnel

Other Associated Elements
E00  Common Null Values  E01_01  Patient Care Report Number
E16_03  Date/Time of Assessment  E16_04  Skin Assessment
E16_05  Head/Face Assessment  E16_06  Neck Assessment
E16_07  Chest/Lungs Assessment  E16_08  Heart Assessment
E16_09  Abdomen Left Upper Assessment  E16_10  Abdomen Left Lower Assessment
E16_11  Abdomen Right Upper Assessment  E16_12  Abdomen Right Lower Assessment
E16_13  GU Assessment  E16_15  Back Thoracic Assessment
E16_16  Back Lumbar/Sacral Assessment  E16_17  Extremities-Right Upper Assessment
E16_18  Extremities-Right Lower Assessment  E16_19  Extremities-Left Upper Assessment
E16_20  Extremities-Left Lower Assessment  E16_21  Eyes-Left Assessment
E16_22  Eyes-Right Assessment  E16_23  Mental Status Assessment
E16_24  Neurological Assessment
E16_15 BACK THORACIC ASSESSMENT

Data [combo] multiple-choice

Definition
The assessment of the patient's back-thoracic on examination

XSD Data Type xs:integer
XSD Domain (Simple Type) BackThoracicAssessment

Multiple Entry Configuration Yes, via structure
Accepts Null Values Yes
Required in XSD No

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
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
E00 Common Null Values
E16_03 Date/Time of Assessment
E16_05 Head/Face Assessment
E16_07 Chest/Lungs Assessment
E16_09 Abdomen Left Upper Assessment
E16_11 Abdomen Right Upper Assessment
E16_13 GU Assessment
E16_16 Back Lumbar/Sacral Assessment
E16_18 Extremities-Right Lower Assessment
E16_20 Extremities-Left Lower Assessment
E16_22 Eyes-Right Assessment
E16_24 Neurological Assessment

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_17 Extremities-Right Upper Assessment
E16_19 Extremities-Left Upper Assessment
E16_21 Eyes-Left Assessment
E16_23 Mental Status Assessment
**E16_16 BACK LUMBAR/ SACRAL ASSESSMENT**

**Data**
[combo] multiple-choice

**Definition**
The assessment of the patient's back-lumbar/sacral on examination

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>BackLumbarSacralAssessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<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
-15 Not Reporting
-5 Not Available
3820 Not Done
3830 Tender Paraspinous

-20 Not Recorded
-10 Not Known
3815 Normal
3825 Pain to ROM
3835 Tender Spinous Process

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
<table>
<thead>
<tr>
<th>E00 Common Null Values</th>
<th>E01_01 Patient Care Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E16_03 Date/Time of Assessment</td>
<td>E16_04 Skin Assessment</td>
</tr>
<tr>
<td>E16_05 Head/Face Assessment</td>
<td>E16_06 Neck Assessment</td>
</tr>
<tr>
<td>E16_07 Chest/Lungs Assessment</td>
<td>E16_08 Heart Assessment</td>
</tr>
<tr>
<td>E16_09 Abdomen Left Upper Assessment</td>
<td>E16_10 Abdomen Left Lower Assessment</td>
</tr>
<tr>
<td>E16_11 Abdomen Right Upper Assessment</td>
<td>E16_12 Abdomen Right Lower Assessment</td>
</tr>
<tr>
<td>E16_13 GU Assessment</td>
<td>E16_14 Back Cervical Assessment</td>
</tr>
<tr>
<td>E16_15 Back Thoracic Assessment</td>
<td>E16_16 Extremities-Right Upper Assessment</td>
</tr>
<tr>
<td>E16_17 Extremities-Right Lower Assessment</td>
<td>E16_18 Extremities-Left Upper Assessment</td>
</tr>
<tr>
<td>E16_20 Extremities-Left Lower Assessment</td>
<td>E16_21 Eyes-Left Assessment</td>
</tr>
<tr>
<td>E16_22 Eyes-Right Assessment</td>
<td>E16_23 Mental Status Assessment</td>
</tr>
<tr>
<td>E16_24 Neurological Assessment</td>
<td></td>
</tr>
</tbody>
</table>

_NHTS (NEMSI S) Page Number 370_
**Data**  
[combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ExtremitiesRightUpperAssessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Accepts Null Values</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  
- 15 Not Reporting  
- 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  
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_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_14 Back Cervical Assessment  
E16_16 Back Lumbar/Sacral Assessment  
E16_19 Extremities-Left Upper Assessment  
E16_21 Eyes-Left Assessment  
E16_23 Mental Status Assessment
**E16_18 EXTREMITIES-RIGHT LOWER ASSESSMENT**

**Data**
[combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>ExtremitiesRightLowerAssessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
3875 Normal  
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
- 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

- 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-Left Upper Assessment
- E16_21 Eyes-Left Assessment
- E16_23 Mental Status Assessment
**E16_19  EXTREMITIES-LEFT UPPER ASSESSMENT**

**Data**
[combo] multiple-choice

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

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

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

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Values**  
Yes

**Required in XSD**  
No

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3910 Normal
3920 Abnormal Pulse
3930 Edema
3940 Weakness

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E16_03</td>
<td>Date/Time of Assessment</td>
</tr>
<tr>
<td>E16_05</td>
<td>Head/Face Assessment</td>
</tr>
<tr>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
</tr>
<tr>
<td>E16_09</td>
<td>Abdomen Left Upper Assessment</td>
</tr>
<tr>
<td>E16_11</td>
<td>Abdomen Right Upper Assessment</td>
</tr>
<tr>
<td>E16_13</td>
<td>GU Assessment</td>
</tr>
<tr>
<td>E16_15</td>
<td>Back Thoracic Assessment</td>
</tr>
<tr>
<td>E16_17</td>
<td>Extremities-Right Upper Assessment</td>
</tr>
<tr>
<td>E16_20</td>
<td>Extremities-Left Lower Assessment</td>
</tr>
<tr>
<td>E16_22</td>
<td>Eyes-Right Assessment</td>
</tr>
<tr>
<td>E16_24</td>
<td>Neurological Assessment</td>
</tr>
</tbody>
</table>

| E01_01    | Patient Care Report Number |
| E16_04    | Skin Assessment |
| E16_06    | Neck Assessment |
| E16_08    | Heart Assessment |
| E16_10    | Abdomen Left Lower Assessment |
| E16_12    | Abdomen Right Lower Assessment |
| E16_14    | Back Cervical Assessment |
| E16_16    | Back Lumbar/Sacral Assessment |
| E16_18    | Extremities-Right Lower Assessment |
| E16_21    | Eyes-Left Assessment |
| E16_23    | Mental Status Assessment |

**Section E16**  
Assessment/ Exam

**2006 NHTSA Uniform PreHospital Dataset V.2.2.1**
E16_20 EXTREMITIES-LEFT LOWER ASSESSMENT

Data [combo] multiple-choice

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

XSD Data Type xs:integer XSD Domain (Simple Type) ExtremitiesLeftLowerAssessment
Multiple Entry Configuration Yes, via structure Accepts Null Values Yes
Required in XSD No
XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
3950 Not Done
3960 Abnormal Sensation
3970 Tenderness
-20 Not Recorded
-10 Not Known
3945 Normal
3955 Abnormal Pulse
3965 Edema
3975 Weakness

Additional Information
● Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values
E16_03 Date/Time of Assessment
E16_05 Head/Face Assessment
E16_07 Chest/Lungs Assessment
E16_09 Abdomen Left Upper Assessment
E16_11 Abdomen Right Upper Assessment
E16_13 GU Assessment
E16_15 Back Thoracic Assessment
E16_17 Extremities-Right Upper Assessment
E16_19 Extremities-Left Upper Assessment
E16_22 Eyes-Right Assessment
E16_24 Neurological Assessment
E01_01 Patient Care Report Number
E16_04 Skin Assessment
E16_06 Neck Assessment
E16_08 Heart Assessment
E16_10 Abdomen Left Lower Assessment
E16_12 Abdomen Right Lower Assessment
E16_14 Back Cervical Assessment
E16_16 Back Lumbar/Sacral Assessment
E16_18 Extremities-Right Lower Assessment
E16_21 Eyes-Left Assessment
E16_23 Mental Status Assessment

Section E16 Assessment/Exam
NHTS (NEMSIS) Page Number 374
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E16_21  EYES-LEFT ASSESSMENT

Data  [combo] multiple-choice

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

XSD Data Type  xs:integer  XSD Domain (Simple Type)  EyesLeftAssessment
Multiple Entry Configuration  Yes, via structure  Accepts Null Values  Yes
Required in XSD  No
XSD Structure: All data elements beginning with E16_03 and ending with E16_24 are all members of E16_00_0 Assessment Structure

Field Values
-25  Not Applicable
-15  Not Reporting
-5   Not Available
3985 2-mm
3995 4-mm
4005 6-mm
4015 Blind
4025 Non- Reactive

Not Recorded
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
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
E16_22 EYES-RIGHT ASSESSMENT

**Data**  [combo] multiple-choice

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

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

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

**Required in XSD**  No

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

**Field Values**
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  4030 Not Done
4035 2-mm  4040 3-mm
4045 4-mm  4050 5-mm
4055 6-mm  4060 7-mm
4065 Blind  4070 Reactive
4075 Non-Reactive

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

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- 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

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

NHTS (NEMSIS) Page Number 376

211
**E16_23  MENTAL STATUS ASSESSMENT**

**Data**  
[combo] multiple-choice

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:integer</th>
<th>XSD Domain (Simple Type)</th>
<th>MentalStatusAssessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>Yes, via structure</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<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  
-15 Not Reporting  
-5 Not Available  
-20 Not Recorded  
-10 Not Known  
4080 Normal  
4085 Not Done  
4095 Confused  
4105 Oriented-Person  
4110 Oriented-Place  
4115 Oriented-Time  
4120 Unresponsive

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

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

**Data Collector**  
- EMS personnel

**Other Associated Elements**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E16_03</td>
<td>Date/Time of Assessment</td>
</tr>
<tr>
<td>E16_05</td>
<td>Head/Face Assessment</td>
</tr>
<tr>
<td>E16_07</td>
<td>Chest/Lungs Assessment</td>
</tr>
<tr>
<td>E16_09</td>
<td>Abdomen Left Upper Assessment</td>
</tr>
<tr>
<td>E16_11</td>
<td>Abdomen Right Upper Assessment</td>
</tr>
<tr>
<td>E16_13</td>
<td>GU Assessment</td>
</tr>
<tr>
<td>E16_15</td>
<td>Back Thoracic Assessment</td>
</tr>
<tr>
<td>E16_17</td>
<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>
</tr>
<tr>
<td>E16_24</td>
<td>Neurological Assessment</td>
</tr>
</tbody>
</table>

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

Data  [combo] multiple-choice

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

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

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

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  4125 Normal
4130 Not Done  4135 Abnormal Gait
4140 Facial Droop  4145 Seizures
4150 Speech Normal  4155 Speech Slurring
4160 Tremors  4165 Weakness-Left Sided
4170 Weakness-Right Sided

Additional Information
● Associated in Database schema to Date/Time (E16_03) to allow multiple assessments

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values  E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment  E16_04 Skin Assessment
E16_05 Head/Face Assessment  E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment  E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment  E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment  E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment  E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment  E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment  E16_18 Extremities-Right Lower Assessment
E16_19 Extremities-Left Upper Assessment  E16_20 Extremities-Left Lower Assessment
E16_21 Eyes-Left Assessment  E16_22 Eyes-Right Assessment
E16_23 Mental Status Assessment
E17_01 PROTOCOLS USED

**Data**
[combo] multiple-choice

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

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-10 Not Available

**Additional Information**
- List created from Protocols (D04_08)

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number

Section E17 Intervention
NHTS (NEMSI S) Page Number 380
2006 NHTSA Uniform PreHospital Dataset V.2.2.1
E18_01  DATE/ TIME MEDICATION ADMINISTERED

Data  [date/time]

Definition  The date/time medication administered to the patient

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

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values  ● Relevant Value for Data Element & Patient Care

Additional Information  ● If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
● This is a multiple entry configuration which will allow multiple medication administrations to be documented

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

Data Collector  ● EMS personnel

Other Associated Elements  E01_01  Patient Care Report Number  E18_02  Medication Administered Prior to this Units
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

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

NHTS (NEMSI S) Page Number 382
**E18_02 MEDICATION ADMINISTERED PRIOR TO THIS UNIT'S EMS CARE**

**Data**  
[combo] single-choice

**Definition**  
Indicates that the medication administration which is documented was administered prior to this EMS unit’s care.

<table>
<thead>
<tr>
<th>XSD Data Type</th>
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<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 Values</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
-15 Not Reporting
-5 Not Available
  1 Yes
-20 Not Recorded
-10 Not Known
  0 No

**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
- E18_01 Date/Time Medication Administered
- E18_04 Medication Administered Route
- E18_06 Medication Dosage Units
- E18_08 Medication Complication
- E18_10 Medication Authorization
- E18_03 Medication Given
- E18_05 Medication Dosage
- E18_07 Response to Medication
- E18_09 Medication Crew Member ID
- E18_11 Medication Authorizing Physician

---

*Section E18  Intervention/ Medication*

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 383
### E18_03 Medication Given

**Definition**
The medication given to the patient.

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

**Required in XSD** Yes

Minimum Constraint 2

Maximum Constraint 30

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

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

-20 Not Recorded
-10 Not Known

- 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
- E18_02 Medication Administered Prior to this Units
- 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, Cardiopulmonary Resuscitation (CPR) = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (ET) = 14, Intubation (EGTA) = 15, Intravenous Therapy (IV/IO) = 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

---

**Section E18 Intervention/Medication**

NHTS (NEMSIS) Page Number 384

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2006 NHTSA Uniform PreHospital Dataset V.2.2.1

---

219
**E18_04 MEDICATION ADMINISTERED ROUTE**

**Data**
[combo] single-choice

**Definition**
The route that the medication was administered to the patient.

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

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

**Required in XSD** No

**XSD Structure:** All data elements section E18 are members of the E18 Medication Structure

**Field Values**
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  4175 Endotracheal tube
4180 Gastrostomy tube  4185 Inhalation
4190 Intramuscular  4191 Intravenous
4200 Intraocular  4205 Intranasal
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_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**

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Section E18  Intervention/ Medication  NHTS (NEMSIS) Page Number 385

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

220
**E18_05 MEDICATION DOSAGE**

**Data**

[number]

**Definition**

The dose or amount of medication given to the patient

**XSD Data Type**  xs:decimal

**XSD Domain (Simple Type)**  MedicationDosage

**Multiple Entry Configuration**  Yes, via structure

**Accepts Null Values**  No

**Required in XSD**  No

**Minimum Constraint**  0

**Maximum Constraint**  1,000,000

**XSD Structure:**
1. All data elements section E18 are members of the E18 Medication Structure.
2. E18_05 and E18_06 are members of E18_05_0 Medication Dosing Structure

**Field Values**

- 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 Medication Administered Prior to this Units
- E18_06 Medication Dosage Units
- E18_07 Response to Medication
- E18_08 Medication Complication
- E18_09 Medication Crew Member ID
- E18_10 Medication Authorization
- E18_11 Medication Authorizing Physician
E18_06  MEDICATION DOSAGE UNITS

Data  [combo] single-choice

Definition
The units of medication dosage given to patient

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

Required in XSD No

XSD Structure: (1) All data elements section E18 are members of the E18 Medication Structure. (2) E18_05 and E18_06 are members of E18_05_0 Medication Dosing Structure

Field Values
4295 GMS
4305 IU
4315 L/MIN
4325 LPM
4335 MCG/KG/MIN
4345 MG
4355 ML
4365 Other

4300 Inches
4310 KVO (TKO)
4320 LITERS
4330 MCG
4340 MEQ
4350 MG/KG/MIN
4360 ML/HR
4370 Puffs

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

Data Collector
• EMS personnel

Other Associated Elements
E01_01 Patient Care Report Number
E18_02 Medication Administered Prior to this Units
E18_03 Medication Given
E18_04 Medication Administered Route
E18_05 Medication Dosage
E18_06 Medication Given
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

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

NHTS (NEMSIS) Page Number 387
E18_07 RESPONSE TO MEDICATION

Data [combo] single-choice

Definition The patient’s response to the medication.

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

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values
-25 Not Applicable -20 Not Recorded
-15 Not Reporting -10 Not Known
-5 Not Available 4375 Improved
4380 Unchanged 4385 Worse

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

Data Collector
• EMS personnel

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

**Data**  
[combo] multiple-choice

**Definition**  
Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS

**XSD Data Type**  
xs:integer  

**XSD Domain (Simple Type)**  
MedicationComplication

**Multiple Entry Configuration**  
(1) Yes, via structure. (2) Yes for each E14_01 Date/Time

**Accepts Null Values**  
Yes

**Required in XSD**  
Yes

**XSD Structure:** All data elements section E18 are members of the E18 Medication Structure

**Field Values**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>4395</td>
<td>Altered Mental Status</td>
</tr>
<tr>
<td>4405</td>
<td>Bleeding</td>
</tr>
<tr>
<td>4415</td>
<td>Diarrhea</td>
</tr>
<tr>
<td>4425</td>
<td>Hypertension</td>
</tr>
<tr>
<td>4435</td>
<td>Hypotension</td>
</tr>
<tr>
<td>4445</td>
<td>Injury</td>
</tr>
<tr>
<td>4455</td>
<td>Nausea</td>
</tr>
<tr>
<td>4465</td>
<td>Respiratory Distress</td>
</tr>
<tr>
<td>4475</td>
<td>Vomiting</td>
</tr>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>4390</td>
<td>None</td>
</tr>
<tr>
<td>4400</td>
<td>Apnea</td>
</tr>
<tr>
<td>4410</td>
<td>Bradycardia</td>
</tr>
<tr>
<td>4420</td>
<td>Extravasion</td>
</tr>
<tr>
<td>4430</td>
<td>Hyperthermia</td>
</tr>
<tr>
<td>4440</td>
<td>Hypoxia</td>
</tr>
<tr>
<td>4450</td>
<td>Itching/Urticaria</td>
</tr>
<tr>
<td>4460</td>
<td>Other</td>
</tr>
<tr>
<td>4470</td>
<td>Tachycardia</td>
</tr>
</tbody>
</table>

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

---

*Section E18 Intervention/ Medication*

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
# E18_09 Medication Crew Member ID

**Data**

[text]

**Definition**
The statewide assigned ID number of the EMS crew member giving the treatment to the patient.

<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 Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>15</td>
</tr>
</tbody>
</table>

XSD Structure: All data elements section E18 are members of the E18 Medication Structure.

**Field Values**

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

**Additional Information**

- 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_02 Medication Administered Prior to this Units EMS Care  
- E18_03 Medication Given  
- E18_04 Medication Administered Route  
- E18_05 Medication Dosage  
- E18_06 Medication Dosage Units  
- E18_07 Response to Medication  
- E18_08 Medication Complication  
- E18_10 Medication Authorization  
- E18_11 Medication Authorizing Physician

**References in NHTSA Version 1**

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

---

*Section E18 Intervention/Medication*  
2006 NHTSA Uniform PreHospital Dataset V.2.2.1  
NHTS (NEMSIS) Page Number 390
**Data**
[combo] single-choice

**Definition**
The type of treatment authorization obtained

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

**Multiple Entry Configuration** Yes, via structure

**Accepts Null Values** Yes

**Required in XSD** No

**XSD Structure:** All data elements section E18 are members of the E18 Medication Structure

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
4485 On-Scene
4495 Written Orders (Patient Specific)

**4480 On-Line**

**4490 Protocol (Standing Order)**

**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**

<table>
<thead>
<tr>
<th>E00</th>
<th>Common Null Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>E18_01</td>
<td>Date/Time Medication Administered</td>
</tr>
<tr>
<td>E18_03</td>
<td>Medication Given</td>
</tr>
<tr>
<td>E18_05</td>
<td>Medication Dosage</td>
</tr>
<tr>
<td>E18_07</td>
<td>Response to Medication</td>
</tr>
<tr>
<td>E18_09</td>
<td>Medication Crew Member ID</td>
</tr>
<tr>
<td>E18_11</td>
<td>Medication Authorizing Physician</td>
</tr>
<tr>
<td>E01_01</td>
<td>Patient Care Report Number</td>
</tr>
<tr>
<td>E18_02</td>
<td>Medication Administered Prior to this Units EMS Care</td>
</tr>
<tr>
<td>E18_04</td>
<td>Medication Administered Route</td>
</tr>
<tr>
<td>E18_06</td>
<td>Medication Dosage Units</td>
</tr>
<tr>
<td>E18_08</td>
<td>Medication Complication</td>
</tr>
<tr>
<td>E18_11</td>
<td>Medication Authorizing Physician</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**
Desirable Element 81 Treatment Authorization

---

*Section E18 Intervention/ Medication*

*2006 NHTSA Uniform PreHospital Dataset V.2.2.1*

*NHTS (NEMSIS) Page Number 391*
**E19_01  DATE/ TIME PROCEDURE PERFORMED SUCCESSFULLY**

**Data**  
[date/time]

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

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

**Multiple Entry Configuration**  
Yes, via structure

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

**Required in XSD**  
No

**Minimum Constraint**  
1,990

**Maximum Constraint**  
2,030

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

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

**Additional Information**  
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow for multiple procedures to be documented

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

**Data Collector**  
- EMS personnel

**Other Associated Elements**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Care Report Number</td>
<td>Procedure Performed Prior to this Units EMS Care</td>
<td>Procedure</td>
<td>Size of Procedure Equipment</td>
<td>Number of Procedure Attempts</td>
<td>Procedure Successful</td>
<td>Procedure Complication</td>
<td>Response to Procedure</td>
<td>Procedure Crew Members ID</td>
<td>Procedure Authorization</td>
<td>Procedure Authorizing Physician</td>
<td>Successful IV Site</td>
<td>Procedure Confirmation</td>
<td>Destination Confirmation of Tube Placement</td>
</tr>
</tbody>
</table>

**References in NHTSA Version 1**

<table>
<thead>
<tr>
<th>Desirable Element</th>
<th>Time of First CPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>63</td>
</tr>
</tbody>
</table>

**Section E19  Intervention/ Procedure**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**E19_02 PROCEDURE PERFORMED PRIOR TO THIS UNIT'S EMS CARE**

**Data**
[combo] single-choice

**Definition**
Indicates that the procedure which was performed and documented was performed prior to this EMS unit's care.

<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 Values</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
-15 Not Reporting
-5 Not Available
1 Yes

**Additional Information**
- If E19_02 is “Yes”, the Date/Time Medication Administered (E19_01) is not required

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

**Data Collector**
EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E19_01 Date/Time Procedure Performed Successfully
- E19_04 Size of Procedure Equipment
- E19_06 Procedure Successful
- E19_08 Response to Procedure
- E19_10 Procedure Authorization

- E01_01 Patient Care Report Number
- E19_03 Procedure
- E19_05 Number of Procedure Attempts
- E19_07 Procedure Complication
- E19_09 Procedure Crew Members ID
- E19_11 Procedure Authorizing Physician

---

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 395
E19_03 PROCEDURE

Data [combo] single-choice

Definition
The procedure performed on the patient.

XSD Data Type xs:decimal
XSD Domain (Simple Type) Procedure
Multiple Entry Configuration Yes, via structure
Accepts Null Values Yes
Required in XSD Yes
Minimum Constraint 0
Maximum Constraint 1,000

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

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

● 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) = 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

Section E19 Intervention/ Procedure
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 396
E19_04 SIZE OF PROCEDURE EQUIPMENT

Data [text]

Definition
The size of equipment used in the procedure on the patient

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

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

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

Additional Information
● Can be entered as text or configured as a List Box with the specific size associated with each Procedure listed for each EMS Agency (D04_04) in the Demographic Dataset

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values
E19_01 Date/Time Procedure Performed Successfully
Procedure
E19_03 Procedure
E19_06 Procedure Successful
E19_08 Response to Procedure
E19_10 Procedure Authorization

E19_02 Procedure Performed Prior to this Units EMS Care
E19_04 Number of Procedure Attempts
E19_07 Procedure Complication
E19_09 Procedure Crew Members ID
E19_11 Procedure Authorizing Physician

References in NHTSA Version 1
Essential Element 78 Procedure or Treatment Name

Section E19 Intervention/Procedure
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 397
E19_05  NUMBER OF PROCEDURE ATTEMPTS

Data [number]  

Definition  
The number of attempts taken to complete a procedure or intervention regardless of success.

XSD Data Type xs:integer  
XSD Domain (Simple Type) NumberOfProcedureAttempts  

Multiple Entry Configuration Yes, via structure  
Accepts Null Values Yes  

Required in XSD Yes  
Minimum Constraint -25  
Maximum Constraint 100  

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

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

Relevant Value for Data Element & Patient Care

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

Data Collector
- EMS personnel

Other Associated Elements

E00 Common Null Values  
E19_01 Date/Time Procedure Performed Successfully  
E19_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
**E19_06 PROCEDURE SUCCESSFUL**

**Data**  
[combo] single-choice

**National Element**

**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 Values</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Required in XSD** Yes

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

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

1 Yes  

-20 Not Recorded  
-10 Not Known  
0 No

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

**Data Collector**
EMS personnel

**Other Associated Elements**

<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>

*Section E19 Intervention/ Procedure*

NHTS (NEMSI S) Page Number 399

2006 NHTSA Uniform PreHospital Dataset V.2.2.1
**Data** [combo] multiple-choice

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

**XSD Data Type** xs:integer  
**XSD Domain (Simple Type)** ProcedureComplication  
**Multiple Entry Configuration** (1) Yes, via structure. (2) Yes for each E14_01

**Accepts Null Values** Yes

**Required in XSD** Yes

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
4505 Altered Mental Status
4515 Bleeding
4525 Diarrhea
4535 Esophageal Intubation-other
4545 Hypertension
4555 Hypotension
4565 Injury
4575 Nausea
4585 Respiratory Distress
4595 Vomiting
4510 Apnea
4520 Bradycardia
4530 Esophageal Intubation-immediately
4540 Extravasion
4550 Hyperthermia
4560 Hypoxia
4570 Itching/Urticaria
4580 Other
4590 Tachycardia

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- **E00** Common Null Values  
- **E19_01** Date/Time Procedure Performed Successfully  
- **E19_03** Procedure  
- **E19_05** Number of Procedure Attempts  
- **E19_08** Response to Procedure  
- **E19_10** Procedure Authorization  
- **E01_01** Patient Care Report Number  
- **E19_02** Procedure Performed Prior to this Units EMS Care  
- **E19_04** Size of Procedure Equipment  
- **E19_06** Procedure Successful  
- **E19_09** Procedure Crew Members ID  
- **E19_11** Procedure Authorizing Physician
**E19_08 RESPONSE TO PROCEDURE**

**Data**  
[combo] single-choice

**Definition**  
The patient’s response to the procedure

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

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

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Values**  
Yes

**Required in XSD**  
No

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

**Field Values**
- `-25` Not Applicable
- `-20` Not Recorded
- `-15` Not Reporting
- `-10` Not Known
- `-5` Not Available
- `4600` Improved
- `4605` Unchanged
- `4610` Worse

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

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E19_01 Date/Time Procedure Performed Successfully
- E19_03 Procedure
- E19_05 Number of Procedure Attempts
- E19_07 Procedure Complication
- E19_10 Procedure Authorization
- E01_01 Patient Care Report Number
- E19_02 Procedure Performed Prior to this Units EMS Care
- E19_04 Size of Procedure Equipment
- E19_06 Procedure Successful
- E19_09 Procedure Crew Members ID
- E19_11 Procedure Authorizing Physician
E19_09  PROCEDURE CREW MEMBERS ID

Data  [text]

Definition
The statewide assigned ID number of the EMS crew member performing the procedure on the patient

XSD Data Type  xs:integer  XSD Domain (Simple Type)  CrewMemberID
Multiple Entry Configuration  Yes, via structure  Accepts Null Values  Yes
Required in XSD  No  Minimum Constraint  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  -20 Not Recorded
-15 Not Reporting  -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
E00  Common Null Values  E01_01  Patient Care Report Number
E19_01  Date/Time Procedure Performed  Successfully  E19_02  Procedure Performed Prior to this Units EMS Care
E19_03  Procedure  E19_04  Size of Procedure Equipment
E19_05  Number of Procedure Attempts  E19_06  Procedure Successful
E19_07  Procedure Complication  E19_08  Response to Procedure
E19_10  Procedure Authorization  E19_11  Procedure Authorizing Physician

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

Section E19  Intervention/ Procedure  NHTS (NEMSI S) Page Number 403
**E19_10 PROCEDURE AUTHORIZATION**

**Data**  
[combo] single-choice

**Definition**  
The type of procedure authorization obtained

**XSD Data Type**  
xs:integer

**XSD Domain (Simple Type)**  
ProcedureAuthorization

**Multiple Entry Configuration**  
Yes, via structure

**Accepts Null Values**  
Yes

**Required in XSD**  
No

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
4615 On-Line
4620 On-Scene
4625 Protocol (Standing Order)
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
- Procedure
- Number of Procedure Attempts
- Procedure Complication
- Procedure Crew Members ID
- E19_03 Procedure
- E19_04 Size of Procedure Equipment
- E19_05 Procedure
- E19_06 Procedure Successful
- E19_07 Procedure Complication
- E19_08 Response to Procedure
- E19_09 Procedure
- E19_10 Procedure Authorization Physician

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

**Data**  
[combo] multiple-choice

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

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

**Field Values**

<table>
<thead>
<tr>
<th>Field Value</th>
<th>Description</th>
<th>Field Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
<td>4635</td>
<td>Antecubital-Left</td>
</tr>
<tr>
<td>4640</td>
<td>Antecubital-Right</td>
<td>4645</td>
<td>External Jugular-Left</td>
</tr>
<tr>
<td>4650</td>
<td>External Jugular-Right</td>
<td>4655</td>
<td>Femoral-Left IV</td>
</tr>
<tr>
<td>4660</td>
<td>Femoral-Left Distal IO</td>
<td>4665</td>
<td>Femoral-Right IV</td>
</tr>
<tr>
<td>4670</td>
<td>Femoral-Right IO</td>
<td>4675</td>
<td>Forearm-Left</td>
</tr>
<tr>
<td>4680</td>
<td>Forearm-Right</td>
<td>4685</td>
<td>Hand-Left</td>
</tr>
<tr>
<td>4690</td>
<td>Hand-Right</td>
<td>4695</td>
<td>Lower Extremity-Left</td>
</tr>
<tr>
<td>4700</td>
<td>Lower Extremity-Right</td>
<td>4705</td>
<td>Other</td>
</tr>
<tr>
<td>4710</td>
<td>Scalp</td>
<td>4715</td>
<td>Sternal IO</td>
</tr>
<tr>
<td>4720</td>
<td>Tibia IO-Left</td>
<td>4725</td>
<td>Tibia IO-Right</td>
</tr>
<tr>
<td>4730</td>
<td>Umbilical</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

**E00**  
Common Null Values

**E01_01**  
Patient Care Report Number
E19_13 TUBE CONFIRMATION

Data [combo] multiple-choice

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

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

Field Values
-25 Not Applicable
-15 Not Reporting
-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

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
E00 Common Null Values E01_01 Patient Care Report Number
E19_03 Procedure
E19_14  DESTINATION CONFIRMATION OF TUBE PLACEMENT

Data [combo] multiple-choice

Definition
Endotracheal Tube location verification on the arrival at the Destination (if applicable)

XSD Data Type xs:integer
XSD Domain (Simple Type) DestinationConfirmationOfTubePlacement

Multiple Entry Configuration Yes
Accepts Null Values Yes
Required in XSD No

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

4800 Visualization of the Chest Rising with ventilation
4805 Visualization of Tube Passing Through the Cords

4810 Waveform CO2 Confirmation

Additional Information
● Associated with Procedure (E19_03) if Airway Procedure leads to Intubation

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

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number
E19_03 Procedure
E20_01  DESTINATION/ TRANSFERRED TO, NAME

Data  [text]

Definition  
The destination the patient was delivered or transferred to

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

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

Additional Information
● Could be an editable single choice list box derived from Hospitals Served (D04_11) and Other Destinations (D04_13)

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

Data Collector
● EMS personnel

Other Associated Elements
E00  Common Null Values
E02_02  Destination/Transferred To, Code
E01_01  Patient Care Report Number

Section E20  Disposition
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 410
### E20_02 DESTINATION/ TRANSFERRED TO, CODE

**Data**

[Text]

**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 Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Maximum Constraint</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

**Field Values**

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

**Additional Information**

- Could be an editable single choice list box derived from Hospitals Served (D04_12) and Other Destinations (D04_14)

**Uses**

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

**Data Collector**

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

**Other Associated Elements**

- E00 Common Null Values  
- E01_01 Patient Care Report Number  
- E20_01 Destination/Transferred To, Name
E20_03  DESTINATION STREET ADDRESS

Data  [text]

Definition
The street address of the destination the patient was delivered or transferred to

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

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

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

Uses
● A component of the EMS Medical Record: Patient Care Report
● Important for grouping or comparing data by 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
E20_04  DESTINATION CITY

Data  [combo] single-choice

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 Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>30</td>
</tr>
</tbody>
</table>

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

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

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
**E20_05 DESTINATION STATE**

**Data**  
[combo] single-choice

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

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

XSD Structure: E20_03, E20_04, E20_05, and E20_07 are all members of E2_03_0 Destination Address Structure

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

**Additional Information**
- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Destination Zip Code (E20_07)

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

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

**Other Associated Elements**
- E00 Common Null Values
- E20_01 Destination/Transferred To, Name
- E20_04 Destination City
- E20_03 Destination Street Address
- E20_07 Destination Zip Code

---

**Section E20 Disposition**

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 414
**E20_06 DESTINATION COUNTY**

**Data**
[combo] single-choice

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

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

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

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

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

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

**Other Associated Elements**
- E00 Common Null Values
- E01_01 Patient Care Report Number
- E20_01 Destination/Transferred To, Name
E20_07  DESTINATION ZIP CODE

Data  [text]  National Element

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

<table>
<thead>
<tr>
<th>XSD Data Type</th>
<th>xs:string</th>
<th>XSD Domain (Simple Type)</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>Yes</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Constraint</td>
<td>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
-15 Not Reporting
-5 Not Available
-20 Not Recorded
-10 Not Known
- 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
E20_10 INCIDENT/PATIENT DISPOSITION

Data (combo) single-choice

Definition
Type of disposition treatment and/or transport of the patient.

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

Field Values
4815 Cancelled
4820 Dead at Scene
4825 No Patient Found
4830 No Treatment Required
4835 Patient Refused Care
4840 Treated and Released
4845 Treated, Transferred Care
4850 Treated, Transported by EMS
4855 Treated, 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
E20_14 TRANSPORT MODE FROM SCENE

Data [combo] single-choice

National Element

Definition Indication whether or not lights and/or sirens were used on the vehicle while leaving scene

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

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

-20 Not Recorded
-10 Not Known
4955 Initial Lights and Sirens, Downgraded to No Lights or Sirens
4965 Lights and Sirens
4960 Initial No Lights or Sirens, Upgraded to Lights and Sirens
4970 No Lights or Sirens

Uses
- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the transportation mode
- Allows data to describe transportation mode used by EMS

Data Collector
- EMS personnel

Other Associated Elements
E00 Common Null Values
E01_01 Patient Care Report Number

References in NHTSA Version 1
Essential Element 46 Lights and Sirens used from the Scene
E20_15  CONDITION OF PATIENT AT DESTINATION

Data  [combo] single-choice

Definition
The condition of the patient after care by EMS

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

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  4975 Improved
4980 Unchanged  4985 Worse

Uses
● Outcome indicator
● Part of an EMS Medical Record
● Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector
● EMS personnel

Other Associated Elements
E00 Common Null Values  E01_01 Patient Care Report Number

References to Other Databases
● NFIRS 5.0  EMS Module; Title: Patient Status; The patient’s status when transferred to another agency.; Pick-List: Improved = 1, Remained Same = 2, Worsened = 3

Section E20  Disposition
2006 NHTSA Uniform PreHospital Dataset V.2.2.1  NHTS (NEMSIS) Page Number 424
# E20_16 REASON FOR CHOOSING DESTINATION

**Data**  
[combo] single-choice

**Definition**  
The reason the unit chose to deliver or transfer the patient to the destination

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

**Required in XSD**  
Yes

**Field Values**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>4995</td>
<td>Diversion</td>
</tr>
<tr>
<td>5005</td>
<td>Insurance Status</td>
</tr>
<tr>
<td>5015</td>
<td>On-Line Medical Direction</td>
</tr>
<tr>
<td>5025</td>
<td>Patient Choice</td>
</tr>
<tr>
<td>5035</td>
<td>Protocol</td>
</tr>
<tr>
<td>4990</td>
<td>Closest Facility (none below)</td>
</tr>
<tr>
<td>5000</td>
<td>Family Choice</td>
</tr>
<tr>
<td>5010</td>
<td>Law Enforcement Choice</td>
</tr>
<tr>
<td>5020</td>
<td>Other</td>
</tr>
<tr>
<td>5030</td>
<td>Patient's Physicians Choice</td>
</tr>
<tr>
<td>5040</td>
<td>Specialty Resource Center</td>
</tr>
</tbody>
</table>

**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**

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

**References in NHTSA Version 1**

- Essential Element 45  
  Destination Determination
E20_17 TYPE OF DESTINATION

Data [combo] single-choice

Definition
The type of destination the patient was delivered or transferred to

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

Required in XSD Yes

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
7280 Hospital
7300 Morgue
7330 Other
7350 Other EMS Responder (ground)
7290 Medical Office/Clinic
7320 Nursing Home
7340 Other EMS Responder (air)
7360 Police/Jail

Uses
- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted or grouped based on the EMS transports destination type
- Allows data to describe EMS patient’s destination type

Data Collector
- EMS personnel

Other Associated Elements
- E00 Common Null Values
- E01_01 Patient Care Report Number
- E20_01 Destination/Transferred To, Name

References in NHTSA Version 1
- Essential Element 44 Destination/Transferred To

Section E20 Disposition
2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 426
**E22_01 EMERGENCY DEPARTMENT DISPOSITION**

**Data**  [combo] single-choice

**Definition**
The known disposition of the patient from the Emergency Department (ED)

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

**Field Values**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>-15</td>
<td>Not Reporting</td>
</tr>
<tr>
<td>-5</td>
<td>Not Available</td>
</tr>
<tr>
<td>5340</td>
<td>Admitted to Hospital ICU</td>
</tr>
<tr>
<td>5350</td>
<td>Not Applicable (Not Transported to ED)</td>
</tr>
<tr>
<td>5360</td>
<td>Transferred</td>
</tr>
<tr>
<td>-20</td>
<td>Not Recorded</td>
</tr>
<tr>
<td>-10</td>
<td>Not Known</td>
</tr>
<tr>
<td>5335</td>
<td>Admitted to Hospital Floor</td>
</tr>
<tr>
<td>5345</td>
<td>Death</td>
</tr>
<tr>
<td>5355</td>
<td>Released</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

---

*Section E22  Outcome and Linkage*

*NHTS (NEMSIS) Page Number 449*

*2006 NHTSA Uniform PreHospital Dataset V.2.2.1*
**E22_02 HOSPITAL DISPOSITION**

**Definition**
Indication of how the patient was dispositioned from the hospital, if admitted.

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
5370 Discharged
5380 Transfer to Nursing Home
5390 Transfer to Rehabilitation Facility
5365 Death
5375 Transfer to Hospital
5385 Transfer to Other

**Uses**
- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

**Data Collector**
- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

**Other Associated Elements**
E00 Common Null Values
E01_01 Patient Care Report Number

**References to Other Databases**
- UTSTEIN Title: Survived Event to ED/ICU; Admitted to ED, Admitted to ICU
E22_03 LAW ENFORCEMENT/ CRASH REPORT NUMBER

Data [text]

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

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

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

● Relevant Value for Data Element & Patient Care

Uses
● Important linkage between EMS data and Crash or Vehicle Data for Outcome evaluation

Data Collector
● EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements
E00 Common Null Values E01_01 Patient Care Report Number
**E23_03 PERSONAL PROTECTIVE EQUIPMENT USED**

**Data**
[combo] multiple-choice

**Definition**
The personal protective equipment which was used by EMS personnel during this EMS patient contact.

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

**Field Values**
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  5435 Eye Protection
5440 Gloves  5445 Level A Suit
5450 Level B Suit  5455 Level C Suit
5460 Mask  5465 Other

**Uses**
- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

**Data Collector**
- EMS personnel

**Other Associated Elements**
- E00 Common Null Values  E01_01 Patient Care Report Number

---

Section E23  Miscellaneous

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 458

260
Definition
Suspcion of the listed multi-casualtory or domestic terrorism causes.

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

Field Values
-25 Not Applicable
-15 Not Reporting
-5 Not Available
5475 Building Failure
5485 Explosive Device
5495 Hostage Event
5505 Nuclear Agent
5515 Secondary Destructive Device
5525 Vehicular

-20 Not Recorded
-10 Not Known
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
**E23_05 SUSPECTED CONTACT WITH BLOOD/BODY FLUIDS OF EMS INJURY OR DEATH**

**Data**
[combo] single-choice

**Definition**
Indication of unprotected contact with blood or body fluids

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

**Field Values**
-25 Not Applicable
-15 Not Reporting
-5 Not Available
1 Yes

-20 Not Recorded
-10 Not Known
0 No

**Additional Information**
- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is “YES”, then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

**Uses**
- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

**Data Collector**
EMS personnel

**Other Associated Elements**
- E00 Common Null Values
- E23_06 Type of Suspected Blood/Body Fluid Exposure, Injury, or Death
- E01_01 Patient Care Report Number
- E23_07 Personnel Exposed
E23_07 PERSONNEL EXPOSED

Data  [combo] multiple-choice

Definition  The EMS personnel who was/were exposed to unprotected contact with blood or body fluids

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

Field Values
-25 Not Applicable  -20 Not Recorded
-15 Not Reporting  -10 Not Known
-5 Not Available  5590 This EMS Crew
5595 Non-EMS individual  5600 Other EMS Personnel

Additional Information
• If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

Uses
• Important for the Quality Management evaluation of personnel performance and safety initiatives
• Part of an EMS Medical Record

Data Collector
• EMS personnel

Other Associated Elements
E00  Common Null Values
E23_05  Suspected Contact with Blood/Body Fluids of EMS Injury or Death
E23_06  Type of Suspected Blood/Body Fluid Exposure, Injury, or Death
### E23_09 Medical Command Call Identification Number

**Data**  
[text]

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

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

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

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

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

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

**Data Collector**  
- EMS personnel

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

---

**Section**  
E23 Miscellaneous  

2006 NHTSA Uniform PreHospital Dataset V.2.2.1  
NHTS (NEMSIS) Page Number 465  

---

264
**E23_10 WHO GENERATED THIS REPORT?**

**Data**
[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>
<th>XSD Domain (Simple Type)</th>
<th>CrewMemberID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Entry Configuration</td>
<td>No</td>
<td>Accepts Null Values</td>
<td>Yes</td>
</tr>
<tr>
<td>Required in XSD</td>
<td>No</td>
<td>Minimum Constraint</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Constraint</td>
<td>15</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Field Values</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20 Not Recorded</td>
<td>• Linked to State/Licensure ID Number (D07_02)</td>
</tr>
<tr>
<td>-10 Not Known</td>
<td>• List box created from the State/Licensure ID Number (D07_02) which could display</td>
</tr>
<tr>
<td></td>
<td>the Personnel’s Names as associated with D08_01, D08_02, and D08_03 for easy data</td>
</tr>
<tr>
<td></td>
<td>entry</td>
</tr>
<tr>
<td>-5 Not Available</td>
<td>• Relevant Value for Data Element &amp; Patient Care</td>
</tr>
</tbody>
</table>

**Additional Information**
- Important for the Quality Management evaluation
- Part of an EMS Medical Record

**Data Collector**
- EMS personnel

**Other Associated Elements**
- Common Null Values
- Patient Care Report Number

---

Section E23  Miscellaneous
2006 NHTSA Uniform Prehospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 465
<table>
<thead>
<tr>
<th>Field Location</th>
<th>Field Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ABDOMEN LEFT LOWER ASSESSMENT</td>
<td>202</td>
</tr>
<tr>
<td></td>
<td>ABDOMEN LEFT UPPER ASSESSMENT</td>
<td>201</td>
</tr>
<tr>
<td></td>
<td>ABDOMEN RIGHT LOWER ASSESSMENT</td>
<td>204</td>
</tr>
<tr>
<td></td>
<td>ABDOMEN RIGHT UPPER ASSESSMENT</td>
<td>203</td>
</tr>
<tr>
<td></td>
<td>ADVANCED DIRECTIVES</td>
<td>149</td>
</tr>
<tr>
<td></td>
<td>AGE</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>AGE UNITS</td>
<td>81</td>
</tr>
<tr>
<td></td>
<td>AIRBAG DEPLOYMENT</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>ALCOHOL/DRUG USE INDICATORS</td>
<td>151</td>
</tr>
<tr>
<td></td>
<td>AREA OF THE VEHICLE IMPACTED BY THE COLLISION</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td>ARRIVED AT PATIENT DATE/TIME</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Assessment/ Exam</td>
<td>193</td>
</tr>
<tr>
<td></td>
<td>BACK CERVICAL ASSESSMENT</td>
<td>206</td>
</tr>
<tr>
<td></td>
<td>BACK LUMBAR/SACRAL ASSESSMENT</td>
<td>208</td>
</tr>
<tr>
<td></td>
<td>BACK THORACIC ASSESSMENT</td>
<td>207</td>
</tr>
<tr>
<td></td>
<td>BARRIERS TO PATIENT CARE</td>
<td>146</td>
</tr>
<tr>
<td></td>
<td>BEGINNING ODOMETER READING OF RESPONDING VEHICLE</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Billing</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>BLOOD GLUCOSE LEVEL</td>
<td>169</td>
</tr>
<tr>
<td></td>
<td>BROSELOW/LUTEN COLOR</td>
<td>195</td>
</tr>
<tr>
<td></td>
<td>CARBON DIOXIDE</td>
<td>168</td>
</tr>
<tr>
<td></td>
<td>CARDIAC ARREST</td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>CARDIAC RHYTHM</td>
<td>158</td>
</tr>
<tr>
<td></td>
<td>CAUSE OF INJURY</td>
<td>123</td>
</tr>
<tr>
<td></td>
<td>CHEST/LUNGS ASSESSMENT</td>
<td>199</td>
</tr>
<tr>
<td></td>
<td>CHIEF COMPLAINT</td>
<td>110</td>
</tr>
<tr>
<td></td>
<td>CHIEF COMPLAINT ANATOMIC LOCATION</td>
<td>116</td>
</tr>
<tr>
<td></td>
<td>CHIEF COMPLAINT ORGAN SYSTEM</td>
<td>117</td>
</tr>
<tr>
<td></td>
<td>CMS SERVICE LEVEL</td>
<td>89</td>
</tr>
<tr>
<td></td>
<td>Common EMS Values</td>
<td>26</td>
</tr>
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