



The West Virginia Prehospital Electronic Patient Care Record Version 1.22

01/12/10

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



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Table of Contents

| | |
|---|----|
| Intoduction | 8 |
| Version 1.2 Changes | 9 |
| Section I Comparison of NEMSSIS and WVPEPCR | 11 |
| Section II Dictionary and Reporting Specifications for the WVPEPCR | 25 |
| NHTSA (NEMSSIS) Table of Contents | 25 |
| <i>Section E00 Common EMS Values</i> | 26 |
| <i>Section E01 Record Information</i> | 28 |
| E01_01 PATIENT CARE REPORT NUMBER | 29 |
| E01_02 SOFTWARE CREATOR | 30 |
| E01_03 SOFTWARE NAME | 31 |
| E01_04 SOFTWARE VERSION | 32 |
| <i>Section E02 Unit/ Agency Information</i> | 33 |
| E02_01 EMS AGENCY NUMBER..... | 34 |
| E02_02 INCIDENT NUMBER | 35 |
| E02_04 TYPE OF SERVICE REQUESTED | 37 |
| E02_05 PRIMARY ROLE OF THE UNIT | 38 |
| E02_06 TYPE OF DISPATCH DELAY | 39 |
| E02_07 TYPE OF RESPONSE DELAY..... | 40 |
| E02_08 TYPE OF SCENE DELAY | 41 |
| E02_09 TYPE OF TRANSPORT DELAY | 42 |
| E02_10 TYPE OF TURN-AROUND DELAY | 43 |
| E02_12 EMS UNIT CALL SIGN (RADIO NUMBER)..... | 44 |
| E02_16 BEGINNING ODOMETER READING OF RESPONDING VEHICLE | 45 |
| E02_17 ON-SCENE ODOMETER READING OF RESPONDING VEHICLE..... | 46 |
| E02_18 PATIENT DESTINATION ODOMETER READING OF RESPONDING VEHICLE..... | 47 |
| E02_20 RESPONSE MODE TO SCENE | 48 |
| <i>Section E03 Unit/ Call Information</i> | 49 |
| E03_01 COMPLAINT REPORTED BY DISPATCH | 50 |
| E03_02 EMD PERFORMED | 51 |
| E03_03 EMD CARD NUMBER | 52 |
| <i>Section E04 Unit/ Personnel Information</i> | 53 |
| E04_01 CREW MEMBER ID | 54 |
| E04_02 CREW MEMBER ROLE | 55 |
| E04_03 CREW MEMBER LEVEL | 56 |
| <i>Section E05 Times</i> | 57 |
| E05_02 PSAP CALL DATE/TIME | 58 |
| E05_04 UNIT NOTIFIED BY DISPATCH DATE/TIME..... | 59 |
| E05_05 UNIT EN ROUTE DATE/TIME | 60 |
| E05_06 UNIT ARRIVED ON SCENE DATE/TIME..... | 61 |
| E05_07 ARRIVED AT PATIENT DATE/TIME | 62 |
| E05_09 UNIT LEFT SCENE DATE/TIME..... | 63 |
| E05_10 PATIENT ARRIVED AT DESTINATION DATE/TIME | 64 |
| E05_11 UNIT BACK IN SERVICE DATE/TIME | 65 |
| E05_12 UNIT CANCELLED DATE/TIME | 66 |
| E05_13 UNIT BACK AT HOME LOCATION DATE/TIME..... | 67 |
| <i>Section E06 Patient</i> | 68 |
| E06_01 LAST NAME | 69 |
| E06_02 FIRST NAME..... | 70 |

| | | |
|------------------------------|---|-----|
| E06_03 | MIDDLE INITIAL/NAME | 71 |
| E06_04 | PATIENT'S HOME ADDRESS..... | 72 |
| E06_05 | PATIENT'S HOME CITY | 73 |
| E06_06 | PATIENT'S HOME COUNTY..... | 74 |
| E06_07 | PATIENT'S HOME STATE | 75 |
| E06_08 | PATIENT'S HOME ZIP CODE..... | 76 |
| E06_09 | PATIENT'S HOME COUNTRY | 77 |
| E06_10 | SOCIAL SECURITY NUMBER | 78 |
| E06_11 | GENDER | 79 |
| E06_12 | RACE | 80 |
| E06_13 | ETHNICITY | 81 |
| E06_14 | AGE | 82 |
| E06_15 | AGE UNITS..... | 83 |
| E06_16 | DATE OF BIRTH | 84 |
| E06_17 | PRIMARY OR HOME TELEPHONE NUMBER..... | 85 |
| <i>Section E07 Billing</i> | | 86 |
| E07_01 | PRIMARY METHOD OF PAYMENT | 87 |
| E07_15 | WORK-RELATED | 88 |
| E07_16 | PATIENT'S OCCUPATIONAL INDUSTRY | 89 |
| E07_17 | PATIENT'S OCCUPATION | 90 |
| E07_34 | CMS SERVICE LEVEL | 91 |
| E07_35 | CONDITION CODE NUMBER | 92 |
| E07_37 | CONDITION CODE MODIFIER..... | 94 |
| <i>Section E08 Scene</i> | | 95 |
| E08_01 | OTHER EMS AGENCIES AT SCENE..... | 96 |
| E08_03 | ESTIMATED DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE..... | 97 |
| E08_05 | NUMBER OF PATIENTS AT SCENE..... | 98 |
| E08_06 | MASS CASUALTY INCIDENT | 99 |
| E08_07 | INCIDENT LOCATION TYPE | 100 |
| E08_08 | INCIDENT FACILITY CODE | 101 |
| E08_11 | INCIDENT ADDRESS | 102 |
| E08_12 | INCIDENT CITY | 103 |
| E08_13 | INCIDENT COUNTY..... | 104 |
| E08_14 | INCIDENT STATE | 105 |
| E08_15 | INCIDENT ZIP CODE..... | 106 |
| <i>Section E09 Situation</i> | | 107 |
| E09_01 | PRIOR AID..... | 108 |
| E09_02 | PRIOR AID PERFORMED BY | 109 |
| E09_03 | OUTCOME OF THE PRIOR AID | 110 |
| E09_04 | POSSIBLE INJURY | 111 |
| E09_05 | CHIEF COMPLAINT | 112 |
| E09_06 | DURATION OF CHIEF COMPLAINT..... | 113 |
| E09_07 | TIME UNITS OF DURATION OF CHIEF COMPLAINT | 114 |
| E09_08 | SECONDARY COMPLAINT NARRATIVE | 115 |
| E09_09 | DURATION OF SECONDARY COMPLAINT..... | 116 |
| E09_10 | TIME UNITS OF DURATION OF SECONDARY COMPLAINT | 117 |
| E09_11 | CHIEF COMPLAINT ANATOMIC LOCATION..... | 118 |
| E09_12 | CHIEF COMPLAINT ORGAN SYSTEM..... | 119 |
| E09_13 | PRIMARY SYMPTOM..... | 120 |

| | | |
|--------------------|--|------------|
| E09_14 | OTHER ASSOCIATED SYMPTOMS | 121 |
| E09_15 | PROVIDERS PRIMARY IMPRESSION | 122 |
| E09_16 | PROVIDER'S SECONDARY IMPRESSION | 123 |
| <i>Section E10</i> | <i>Situation/ Trauma.....</i> | <i>124</i> |
| E10_01 | CAUSE OF INJURY | 125 |
| E10_02 | INTENT OF THE INJURY | 126 |
| E10_03 | MECHANISM OF INJURY..... | 127 |
| E10_04 | VEHICULAR INJURY INDICATORS..... | 128 |
| E10_05 | AREA OF THE VEHICLE IMPACTED BY THE COLLISION | 129 |
| E10_06 | SEAT ROW LOCATION OF PATIENT IN VEHICLE..... | 130 |
| E10_07 | POSITION OF PATIENT IN THE SEAT OF THE VEHICLE | 131 |
| E10_08 | USE OF OCCUPANT SAFETY EQUIPMENT | 132 |
| E10_09 | AIRBAG DEPLOYMENT..... | 133 |
| E10_10 | HEIGHT OF FALL | 134 |
| <i>Section E11</i> | <i>Situation/ CPR.....</i> | <i>135</i> |
| E11_01 | CARDIAC ARREST | 136 |
| E11_02 | CARDIAC ARREST ETIOLOGY | 137 |
| E11_03 | RESUSCITATION ATTEMPTED..... | 138 |
| E11_04 | ARREST WITNESSED BY | 139 |
| E11_05 | FIRST MONITORED RHYTHM OF THE PATIENT | 140 |
| E11_06 | ANY RETURN OF SPONTANEOUS CIRCULATION | 141 |
| E11_08 | ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL..... | 142 |
| E11_09 | DATE/TIME RESUSCITATION DISCONTINUED..... | 143 |
| E11_10 | REASON CPR DISCONTINUED | 145 |
| E11_11 | CARDIAC RHYTHM ON ARRIVAL AT DESTINATION..... | 146 |
| <i>Section E12</i> | <i>Medical History.....</i> | <i>147</i> |
| E12_01 | BARRIERS TO PATIENT CARE | 148 |
| E12_02 | SENDING FACILITY MEDICAL RECORD NUMBER | 149 |
| E12_03 | DESTINATION MEDICAL RECORD NUMBER | 150 |
| E12_07 | ADVANCED DIRECTIVES..... | 151 |
| E12_18 | PRESENCE OF EMERGENCY INFORMATION FORM | 152 |
| E12_19 | ALCOHOL/DRUG USE INDICATORS..... | 153 |
| E12_20 | PREGNANCY | 154 |
| <i>Section E13</i> | <i>Narrative.....</i> | <i>155</i> |
| E13_01 | RUN REPORT NARRATIVE..... | 156 |
| <i>Section E14</i> | <i>Assessment/ Vital Signs.....</i> | <i>157</i> |
| E14_01 | DATE/TIME VITAL SIGNS TAKEN | 158 |
| E14_02 | OBTAINED PRIOR TO THIS UNITS EMS CARE | 159 |
| E14_03 | CARDIAC RHYTHM..... | 160 |
| E14_04 | SBP (SYSTOLIC BLOOD PRESSURE) | 161 |
| E14_05 | DBP (DIASTOLIC BLOOD PRESSURE) | 162 |
| E14_06 | METHOD OF BLOOD PRESSURE MEASUREMENT | 163 |
| E14_07 | PULSE RATE | 164 |
| E14_08 | ELECTRONIC MONITOR RATE..... | 165 |
| E14_09 | PULSE OXIMETRY | 166 |
| E14_10 | PULSE RHYTHM | 167 |
| E14_11 | RESPIRATORY RATE | 168 |
| E14_12 | RESPIRATORY EFFORT | 169 |
| E14_13 | CARBON DIOXIDE | 170 |

| | |
|---|------------|
| E14_14 BLOOD GLUCOSE LEVEL..... | 171 |
| E14_18 GLASGOW COMA SCORE-QUALIFIER | 172 |
| E14_19 TOTAL GLASGOW COMA SCORE | 173 |
| E14_20 TEMPERATURE..... | 174 |
| E14_21 TEMPERATURE METHOD..... | 175 |
| E14_22 LEVEL OF RESPONSIVENESS | 176 |
| E14_23 PAIN SCALE | 177 |
| E14_24 STROKE SCALE..... | 178 |
| E14_25 THROMBOLYTIC SCREEN..... | 179 |
| E14_27 REVISED TRAUMA SCORE..... | 180 |
| E14_28 PEDIATRIC TRAUMA SCORE..... | 181 |
| <i>Section E15 Assessment/ Injury.....</i> | <i>182</i> |
| E15_01 NHTSA INJURY MATRIX EXTERNAL/SKIN..... | 183 |
| E15_02 NHTSA INJURY MATRIX HEAD | 184 |
| E15_03 NHTSA INJURY MATRIX FACE | 185 |
| E15_04 NHTSA INJURY MATRIX NECK..... | 186 |
| E15_05 NHTSA INJURY MATRIX THORAX..... | 187 |
| E15_06 NHTSA INJURY MATRIX ABDOMEN..... | 188 |
| E15_07 NHTSA INJURY MATRIX SPINE | 189 |
| E15_08 NHTSA INJURY MATRIX UPPER EXTREMITIES..... | 190 |
| E15_09 NHTSA INJURY MATRIX PELVIS..... | 191 |
| E15_10 NHTSA INJURY MATRIX LOWER EXTREMITIES..... | 192 |
| E15_11 NHTSA INJURY MATRIX UNSPECIFIED | 193 |
| <i>Section E16 Assessment/ Exam.....</i> | <i>194</i> |
| E16_01 ESTIMATED BODY WEIGHT | 195 |
| E16_02 BROSELOW/LUTEN COLOR..... | 196 |
| E16_04 SKIN ASSESSMENT | 197 |
| E16_05 HEAD/FACE ASSESSMENT | 198 |
| E16_06 NECK ASSESSMENT | 199 |
| E16_07 CHEST/LUNGS ASSESSMENT | 200 |
| E16_08 HEART ASSESSMENT | 201 |
| E16_09 ABDOMEN LEFT UPPER ASSESSMENT..... | 202 |
| E16_10 ABDOMEN LEFT LOWER ASSESSMENT..... | 203 |
| E16_11 ABDOMEN RIGHT UPPER ASSESSMENT | 204 |
| E16_12 ABDOMEN RIGHT LOWER ASSESSMENT..... | 205 |
| E16_13 GU ASSESSMENT | 206 |
| E16_14 BACK CERVICAL ASSESSMENT | 207 |
| E16_15 BACK THORACIC ASSESSMENT..... | 208 |
| E16_16 BACK LUMBAR/SACRAL ASSESSMENT..... | 209 |
| E16_17 EXTREMITIES-RIGHT UPPER ASSESSMENT | 210 |
| E16_18 EXTREMITIES-RIGHT LOWER ASSESSMENT | 211 |
| E16_19 EXTREMITIES-LEFT UPPER ASSESSMENT | 212 |
| E16_20 EXTREMITIES-LEFT LOWER ASSESSMENT | 213 |
| E16_21 EYES-LEFT ASSESSMENT | 214 |
| E16_22 EYES-RIGHT ASSESSMENT | 215 |
| E16_23 MENTAL STATUS ASSESSMENT..... | 216 |
| E16_24 NEUROLOGICAL ASSESSMENT | 217 |
| <i>Section E17 Intervention</i> | <i>218</i> |
| E17_01 PROTOCOLS USED | 219 |

| | |
|--|-----|
| Section E18 Intervention/ Medication | 220 |
| E18_01 DATE/TIME MEDICATION ADMINISTERED | 221 |
| E18_02 MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE | 222 |
| E18_03 MEDICATION GIVEN..... | 223 |
| E18_04 MEDICATION ADMINISTERED ROUTE..... | 224 |
| E18_05 MEDICATION DOSAGE..... | 225 |
| E18_06 MEDICATION DOSAGE UNITS..... | 226 |
| E18_07 RESPONSE TO MEDICATION..... | 227 |
| E18_08 MEDICATION COMPLICATION..... | 228 |
| E18_09 MEDICATION CREW MEMBER ID..... | 229 |
| E18_10 MEDICATION AUTHORIZATION | 230 |
| Section E19 Intervention/ Procedure | 231 |
| E19_01 DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY..... | 232 |
| E19_02 PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE | 233 |
| E19_03 PROCEDURE..... | 234 |
| E19_04 SIZE OF PROCEDURE EQUIPMENT | 235 |
| E19_05 NUMBER OF PROCEDURE ATTEMPTS..... | 236 |
| E19_06 PROCEDURE SUCCESSFUL | 237 |
| E19_07 PROCEDURE COMPLICATION | 238 |
| E19_08 RESPONSE TO PROCEDURE | 239 |
| E19_09 PROCEDURE CREW MEMBERS ID | 240 |
| E19_10 PROCEDURE AUTHORIZATION..... | 241 |
| E19_12 SUCCESSFUL IV SITE..... | 242 |
| E19_13 TUBE CONFIRMATION | 243 |
| E19_14 DESTINATION CONFIRMATION OF TUBE PLACEMENT..... | 244 |
| Section E20 Disposition | 245 |
| E20_01 DESTINATION/TRANSFERRED TO, NAME..... | 246 |
| E20_02 DESTINATION/TRANSFERRED TO, CODE | 247 |
| E20_03 DESTINATION STREET ADDRESS | 248 |
| E20_04 DESTINATION CITY..... | 249 |
| E20_05 DESTINATION STATE..... | 250 |
| E20_06 DESTINATION COUNTY | 251 |
| E20_07 DESTINATION ZIP CODE | 252 |
| E20_10 INCIDENT/PATIENT DISPOSITION..... | 253 |
| E20_14 TRANSPORT MODE FROM SCENE | 254 |
| E20_15 CONDITION OF PATIENT AT DESTINATION | 255 |
| E20_16 REASON FOR CHOOSING DESTINATION | 256 |
| E20_17 TYPE OF DESTINATION | 257 |
| Section E21 Medical Device Data | 258 |
| Section E22 Outcome and Linkage | 259 |
| E22_01 EMERGENCY DEPARTMENT DISPOSITION | 260 |
| E22_02 HOSPITAL DISPOSITION..... | 261 |
| E22_03 LAW ENFORCEMENT/CRASH REPORT NUMBER | 262 |
| Section E23 Miscellaneous | 263 |
| E23_03 PERSONAL PROTECTIVE EQUIPMENT USED..... | 264 |
| E23_04 SUSPECTED INTENTIONAL, OR UNINTENTIONAL DISASTER..... | 265 |
| E23_05 SUSPECTED CONTACT WITH BLOOD/BODY FLUIDS OF EMS INJURY OR DEATH | 266 |
| E23_07 PERSONNEL EXPOSED | 267 |
| E23_09 Medical Command Call Identification Number | 268 |

| | |
|--|-----|
| E23_10 WHO GENERATED THIS REPORT? | 269 |
| E23_11 RESEARCH SURVEY FIELD TITLE | 270 |
| <i>Filed List Index</i> | 272 |

West Virginia Office of Emergency Medical Services Standards for EMS Data Collection Introduction

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

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

Information provided in this document includes the following:

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

Version 1.22 Changes

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

Version 1.21 Changes

Version 1.21 has:

Change formatting, spelling and table of contents issues.

Documented the already established use of field E02_12 to record the West Virginia assigned vehicle sticker number in place of the Radio Call Sign.

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

Version 1.2 Changes

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

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

Field E13_01 has been added because; WVOEMS has determined that it is impossible to appropriately evaluate the appropriate delivery of EMS Services without inclusion of the free formed narrative.

Section I
Comparison of
National Emergency Medical
Services Information System (NEMSIS)
And
West Virginia Prehospital
Electronic Patient Care Record Items

Section I Comparison of NEMSSIS and WVPEPCR

| NEMSIS Data Element | NEMSIS Element Name | National Emergency Medical Services Information System (NEMSIS) | West Virginia Required Element | Minimum National Element (NEMSIS Silver Element) |
|---------------------|--|---|--------------------------------|--|
| E01_01 | Patient Care Report Number | X | X | X |
| E01_02 | Software Creator | X | X | X |
| E01_03 | Software Name | X | X | X |
| E01_04 | Software Version | X | X | X |
| E02_01 | EMS Agency Number | X | X | X |
| E02_02 | Incident Number | X | X | |
| E02_03 | EMS Unit (Vehicle) Response Number | X | | |
| E02_04 | Type of Service Requested | X | X | X |
| E02_05 | Primary Role of the Unit | X | X | X |
| E02_06 | Type of Dispatch Delay | X | X | X |
| E02_07 | Type of Response Delay | X | X | X |
| E02_08 | Type of Scene Delay | X | X | X |
| E02_09 | Type of Transport Delay | X | X | X |
| E02_10 | Type of Turn-Around Delay | X | X | X |
| E02_11 | EMS Unit/Vehicle Number | X | | |
| E02_12 | EMS Unit Sticker Number | | X | |
| E02_13 | EMS Unit (Vehicle) Response Number | X | | |
| E02_14 | Vehicle Dispatch Zone | X | | |
| E02_15 | Vehicle Dispatch GPS Location | X | | |
| E02_16 | Beginning Odometer of Responding Vehicle | X | X | |

| | | | | |
|--------|--|---|---|---|
| E02_17 | On-Scene Odometer of Responding Vehicle | X | X | |
| E02_18 | Patient Destination Odometer of Responding Vehicle | X | X | |
| E02_19 | Ending Odometer Reading of Responding Vehicle | X | | |
| E02_20 | Response Mode to Scene | X | X | X |
| E03_01 | Complaint Reported by Dispatch | X | X | X |
| E03_02 | EMD Performed | X | X | X |
| E03_03 | EMD Card Number | X | X | |
| E04_01 | Crew Member ID | X | X | |
| E04_02 | Crew Member Role | X | X | |
| E04_03 | Crew Member Level | X | X | |
| E05_01 | Incident or Onset Date/Time | X | | |
| E05_02 | PSAP Call Date/Time | X | X | X |
| E05_03 | Dispatch Notified Date/Time | X | | |
| E05_04 | Unit Notified by Dispatch Date/Time | X | X | X |
| E05_05 | Unit En Route Date/Time | X | X | X |
| E05_06 | Unit Arrived on Scene Date/Time | X | X | X |
| E05_07 | Arrived at Patient Date/Time | X | X | X |
| E05_08 | Transfer of Patient Care | X | | |
| E05_09 | Unit Left Scene Date/Time | X | X | X |
| E05_10 | Patient Arrived at Destination Date/Time | X | X | X |
| E05_11 | Unit Back in Service Date/Time | X | X | X |
| E05_12 | Unit Cancelled Date/Time | X | X | |
| E05_13 | Unit Back at Home Location Date/Time | X | X | X |
| E06_01 | Last Name | X | X | |

| | | | | |
|--------|------------------------------------|---|---|---|
| E06_02 | First Name | X | X | |
| E06_03 | Middle Initial/Name | X | X | |
| E06_04 | Patient's Home Address | X | X | |
| E06_05 | Patient's Home City | X | X | |
| E06_06 | Patient's Home County | X | X | |
| E06_07 | Patient's Home State | X | X | |
| E06_08 | Patient's Home Zip Code | X | X | X |
| E06_09 | Patient's Home Country | X | X | |
| E06_10 | Social Security Number | X | X | |
| E06_11 | Gender | X | X | X |
| E06_12 | Race | X | X | X |
| E06_13 | Ethnicity | X | X | X |
| E06_14 | Age | X | X | X |
| E06_15 | Age Units | X | X | X |
| E06_16 | Date of Birth | X | X | |
| E06_17 | Primary or Home Telephone Number | X | X | |
| E06_18 | State Issuing Driver's License | X | | |
| E06_19 | Driver's License Number | X | | |
| E07_01 | Primary Method of Payment | X | X | X |
| E07_02 | Certificate of Medical Necessity | X | | |
| E07_03 | Insurance Company ID/Name | X | | |
| E07_04 | Insurance Company Billing Priority | X | | |
| E07_05 | Insurance Company Address | X | | |
| E07_06 | Insurance Company City | X | | |

| | | | | |
|--------|---|---|---|--|
| E07_07 | Insurance Company State | X | | |
| E07_08 | Insurance Company Zip Code | X | | |
| E07_09 | Insurance Group ID/Name | X | | |
| E07_10 | Insurance Policy ID Number | X | | |
| E07_11 | Last Name of the Insured | X | | |
| E07_12 | First Name of the Insured | X | | |
| E07_13 | Middle Initial/Name of the Insured | X | | |
| E07_14 | Relationship to the Insured | X | | |
| E07_15 | Work-Related | X | X | |
| E07_16 | Patient's Occupational Industry | X | X | |
| E07_17 | Patient's Occupation | X | X | |
| E07_18 | Closest Relative/Guardian Last Name | X | | |
| E07_19 | First Name of the Closest Relative/ Guardian | X | | |
| E07_20 | Middle Initial/Name of the Closest Relative/ Guardian | X | | |
| E07_21 | Closest Relative/ Guardian Street Address | X | | |
| E07_22 | Closest Relative/ Guardian City | X | | |
| E07_23 | Closest Relative/ Guardian State | X | | |
| E07_24 | Closest Relative/ Guardian Zip Code | X | | |
| E07_25 | Closest Relative/ Guardian Phone Number | X | | |
| E07_26 | Closest Relative/ Guardian Relationship | X | | |
| E07_27 | Patient's Employer | X | | |
| E07_28 | Patient's Employer's Address | X | | |
| E07_29 | Patient's Employer's City | X | | |
| E07_30 | Patient's Employer's State | X | | |

| | | | | |
|--------|--|---|---|---|
| E07_31 | Patient's Employer's Zip Code | X | | |
| E07_32 | Patient's Work Telephone Number | X | | |
| E07_33 | Response Urgency | X | | |
| E07_34 | CMS Service Level | X | X | X |
| E07_35 | Condition Code Number | X | X | X |
| E07_36 | ICD-9 Code for the Condition Code Number | X | | |
| E07_37 | Air Ambulance Modifier for Condition Code Number | X | X | |
| E08_01 | Other EMS Agencies at Scene | X | X | |
| E08_02 | Other Services at Scene | X | | |
| E08_03 | Estimated Date/Time Initial Responder Arrived on Scene | X | X | |
| E08_04 | Date/Time Initial Responder Arrived on Scene | X | | |
| E08_05 | Number of Patients at Scene | X | X | X |
| E08_06 | Mass Casualty Incident | X | X | X |
| E08_07 | Incident Location Type | X | X | |
| E08_08 | Incident Facility Code | X | X | |
| E08_09 | Scene Zone Number | X | | |
| E08_10 | Scene GPS Location | X | | |
| E08_11 | Incident Address | X | X | |
| E08_12 | Incident City | X | X | |
| E08_13 | Incident County | X | X | |
| E08_14 | Incident State | X | X | |
| E08_15 | Incident ZIP Code | X | X | X |
| E09_01 | Prior Aid | X | X | X |
| E09_02 | Prior Aid Performed by | X | X | X |

| | | | | |
|--------|--|---|---|---|
| E09_03 | Outcome of the Prior Aid | X | X | X |
| E09_04 | Possible Injury | X | X | X |
| E09_05 | Chief Complaint | X | X | |
| E09_06 | Duration of Chief Complaint | X | X | |
| E09_07 | Time Units of Duration of Chief Complaint | X | X | |
| E09_08 | Secondary Complaint Narrative | X | X | |
| E09_09 | Duration of Secondary Complaint | X | X | |
| E09_10 | Time Units of Duration of Secondary Complaint | X | X | |
| E09_11 | Chief Complaint Anatomic Location | X | X | X |
| E09_12 | Chief Complaint Organ System | X | X | X |
| E09_13 | Primary Symptom | X | X | X |
| E09_14 | Other Associated Symptoms | X | X | X |
| E09_15 | Providers Primary Impression | X | X | X |
| E09_16 | Provider's Secondary Impression | X | X | X |
| E10_01 | Cause of Injury | X | X | X |
| E10_02 | Intent of the Injury | X | X | |
| E10_03 | Mechanism of Injury | X | X | |
| E10_04 | Vehicular Injury Indicators | X | X | |
| E10_05 | Area of the Vehicle impacted by the collision | X | X | |
| E10_06 | Seat Row Location of Patient in Vehicle | X | X | |
| E10_07 | Position of Patient in the Seat of the Vehicle | X | X | |
| E10_08 | Use of Occupant Safety Equipment | X | X | |
| E10_09 | Airbag Deployment | X | X | |
| E10_10 | Height of Fall | X | X | |

| | | | | |
|--------|---|---|---|---|
| E11_01 | Cardiac Arrest | X | X | X |
| E11_02 | Cardiac Arrest Etiology | X | X | X |
| E11_03 | Resuscitation Attempted | X | X | X |
| E11_04 | Arrest Witnessed by | X | X | |
| E11_05 | First Monitored Rhythm of the Patient | X | X | |
| E11_06 | Any Return of Spontaneous Circulation | X | X | |
| E11_07 | Neurological Outcome at Hospital Discharge | X | | |
| E11_08 | Estimated Time of Arrest Prior to EMS Arrival | X | X | |
| E11_09 | Date/Time Resuscitation Discontinued | X | X | |
| E11_10 | Reason CPR Discontinued | X | X | |
| E11_11 | Cardiac Rhythm on Arrival at Destination | X | X | |
| E12_01 | Barriers to Patient Care | X | X | X |
| E12_02 | Sending Facility Medical Record Number | X | X | |
| E12_03 | Destination Medical Record Number | X | X | |
| E12_04 | First Name of Patient's Primary Practitioner | X | | |
| E12_05 | Middle Name of Patient's Primary Practitioner | X | | |
| E12_06 | Last Name of Patient's Primary Practitioner | X | | |
| E12_07 | Advanced Directives | X | X | |
| E12_08 | Medication Allergies | X | | |
| E12_09 | Environmental/Food Allergies | X | | |
| E12_10 | Medical/Surgical History | X | | |
| E12_11 | Medical History Obtained From | X | | |
| E12_12 | Immunization History | X | | |
| E12_13 | Immunization Date | X | | |

| | | | | |
|--------|---|---|---|---|
| E12_14 | Current Medications | X | | |
| E12_15 | Current Medication Dose | X | | |
| E12_16 | Current Medication Dosage Unit | X | | |
| E12_17 | Current Medication Administration Route | X | | |
| E12_18 | Presence of Emergency Information Form | X | X | |
| E12_19 | Alcohol/Drug Use Indicators | X | X | X |
| E12_20 | Pregnancy | X | X | |
| E13_01 | Run Report Narrative | X | X | |
| E14_01 | Date/Time Vital Signs Taken | X | X | |
| E14_02 | Obtained Prior to this Units EMS Care | X | X | |
| E14_03 | Cardiac Rhythm | X | X | |
| E14_04 | SBP (Systolic Blood Pressure) | X | X | |
| E14_05 | DBP (Diastolic Blood Pressure) | X | X | |
| E14_06 | Method of Blood Pressure Measurement | X | X | |
| E14_07 | Pulse Rate | X | X | |
| E14_08 | Electronic Monitor Rate | X | X | |
| E14_09 | Pulse Oximetry | X | X | |
| E14_10 | Pulse Rhythm | X | X | |
| E14_11 | Respiratory Rate | X | X | |
| E14_12 | Respiratory Effort | X | X | |
| E14_13 | Carbon Dioxide | X | X | |
| E14_14 | Blood Glucose Level | X | X | |
| E14_15 | Glasgow Coma Score-Eye | X | | |
| E14_16 | Glasgow Coma Score-Verbal | X | | |

| | | | | |
|--------|---------------------------------------|---|---|--|
| E14_17 | Glasgow Coma Score-Motor | X | | |
| E14_18 | Glasgow Coma Score-Qualifier | X | X | |
| E14_19 | Total Glasgow Coma Score | X | X | |
| E14_20 | Temperature | X | X | |
| E14_21 | Temperature Method | X | X | |
| E14_22 | Level of Responsiveness | X | X | |
| E14_23 | Pain Scale | X | X | |
| E14_24 | Stroke Scale | X | X | |
| E14_25 | Thrombolytic Screen | X | X | |
| E14_26 | APGAR | X | | |
| E14_27 | Revised Trauma Score | X | X | |
| E14_28 | Pediatric Trauma Score | X | X | |
| E15_01 | NHTSA Injury Matrix External/Skin | X | X | |
| E15_02 | NHTSA Injury Matrix Head | X | X | |
| E15_03 | NHTSA Injury Matrix Face | X | X | |
| E15_04 | NHTSA Injury Matrix Neck | X | X | |
| E15_05 | NHTSA Injury Matrix Thorax | X | X | |
| E15_06 | NHTSA Injury Matrix Abdomen | X | X | |
| E15_07 | NHTSA Injury Matrix Spine | X | X | |
| E15_08 | NHTSA Injury Matrix Upper Extremities | X | X | |
| E15_09 | NHTSA Injury Matrix Pelvis | X | X | |
| E15_10 | NHTSA Injury Matrix Lower Extremities | X | X | |
| E15_11 | NHTSA Injury Matrix Unspecified | X | X | |
| E16_01 | Estimated Body Weight | X | X | |

| | | | | |
|--------|------------------------------------|---|---|--|
| E16_02 | Broselow/Luten Color | X | X | |
| E16_03 | Date/Time of Assessment | X | | |
| E16_04 | Skin Assessment | X | X | |
| E16_05 | Head/Face Assessment | X | X | |
| E16_06 | Neck Assessment | X | X | |
| E16_07 | Chest/Lungs Assessment | X | X | |
| E16_08 | Heart Assessment | X | X | |
| E16_09 | Abdomen Left Upper Assessment | X | X | |
| E16_10 | Abdomen Left Lower Assessment | X | X | |
| E16_11 | Abdomen Right Upper Assessment | X | X | |
| E16_12 | Abdomen Right Lower Assessment | X | X | |
| E16_13 | GU Assessment | X | X | |
| E16_14 | Back Cervical Assessment | X | X | |
| E16_15 | Back Thoracic Assessment | X | X | |
| E16_16 | Back Lumbar/Sacral Assessment | X | X | |
| E16_17 | Extremities-Right Upper Assessment | X | X | |
| E16_18 | Extremities-Right Lower Assessment | X | X | |
| E16_19 | Extremities-Left Upper Assessment | X | X | |
| E16_20 | Extremities-Left Lower Assessment | X | X | |
| E16_21 | Eyes-Left Assessment | X | X | |
| E16_22 | Eyes-Right Assessment | X | X | |
| E16_23 | Mental Status Assessment | X | X | |
| E16_24 | Neurological Assessment | X | X | |
| E17_01 | Protocols Used | X | X | |

| | | | | |
|--------|--|---|---|---|
| E18_01 | Date/Time Medication Administered | X | X | |
| E18_02 | Medication Administered Prior to this Units EMS Care | X | X | |
| E18_03 | Medication Given | X | X | X |
| E18_04 | Medication Administered Route | X | X | |
| E18_05 | Medication Dosage | X | X | |
| E18_06 | Medication Dosage Units | X | X | |
| E18_07 | Response to Medication | X | X | |
| E18_08 | Medication Complication | X | X | X |
| E18_09 | Medication Crew Member ID | X | X | |
| E18_10 | Medication Authorization | X | X | |
| E18_11 | MEDICATION AUTHORIZING PHYSICIAN | X | | |
| E19_01 | Date/Time Procedure Performed Successfully | X | X | |
| E19_02 | Procedure Performed Prior to this Units EMS Care | X | X | |
| E19_03 | Procedure | X | X | X |
| E19_04 | Size of Procedure Equipment | X | X | |
| E19_05 | Number of Procedure Attempts | X | X | X |
| E19_06 | Procedure Successful | X | X | X |
| E19_07 | Procedure Complication | X | X | X |
| E19_08 | Response to Procedure | X | X | |
| E19_09 | Procedure Crew Members ID | X | X | |
| E19_10 | Procedure Authorization | X | X | |
| E19_11 | Procedure Authorizing Physician | X | | |
| E19_12 | Successful IV Site | X | X | |
| E19_13 | Tube Confirmation | X | X | |

| | | | | |
|--------|--|---|---|---|
| E19_14 | Destination Confirmation of Tube Placement | X | X | |
| E20_01 | Destination/Transferred To, Name | X | X | |
| E20_02 | Destination/Transferred To, Code | X | X | |
| E20_03 | Destination Street Address | X | X | |
| E20_04 | Destination City | X | X | |
| E20_05 | Destination State | X | X | |
| E20_06 | Destination County | X | X | |
| E20_07 | Destination Zip Code | X | X | X |
| E20_08 | Destination GPS Location | X | | |
| E20_09 | Destination Zone Number | X | | |
| E20_10 | Incident/Patient Disposition | X | X | X |
| E20_11 | How Patient Was Moved to Ambulance | X | | |
| E20_12 | Position of Patient During Transport | X | | |
| E20_13 | How Patient Was Transported From Ambulance | X | | |
| E20_14 | Transport Mode from Scene | X | X | X |
| E20_15 | Condition of Patient at Destination | X | X | |
| E20_16 | Reason for Choosing Destination | X | X | X |
| E20_17 | Type of Destination | X | X | X |
| E21_01 | Event Date/Time | X | | |
| E21_02 | Medical Device Event Name | X | | |
| E21_03 | Waveform Graphic Type | X | | |
| E21_04 | Waveform Graphic | X | | |
| E21_05 | AED, Pacing, or CO2 Mode | X | | |
| E21_06 | ECG Lead | X | | |

| | | | | |
|--------|---|---|---|---|
| E21_07 | ECG Interpretation | X | | |
| E21_08 | Type of Shock | X | | |
| E21_09 | Shock or Pacing Energy | X | | |
| E21_10 | Total Number of Shocks Delivered | X | | |
| E21_11 | Pacing Rate | X | | |
| E21_12 | Device Heart Rate | X | | |
| E21_13 | Device Pulse Rate | X | | |
| E21_14 | Device Systolic Blood Pressure | X | | |
| E21_15 | Device Diastolic Blood Pressure | X | | |
| E21_16 | Device Respiratory Rate | X | | |
| E21_17 | Device Pulse Oximetry | X | | |
| E21_18 | Device CO2 or etCO2 | X | | |
| E21_19 | Device CO2, etCO2, or Invasive Pressure Monitor Units | X | | |
| E21_20 | Device Invasive Pressure Mean | X | | |
| E22_01 | Emergency Department Disposition | X | X | X |
| E22_02 | Hospital Disposition | X | X | X |
| E22_03 | Law Enforcement/Crash Report Number | X | X | |
| E22_04 | Trauma Registry ID | X | | |
| E22_05 | Fire Incident Report Number | X | | |
| E22_06 | Patient ID Band/Tag Number | X | | |
| E23_01 | Review Requested | X | | |
| E23_02 | Potential Registry Candidate | X | | |
| E23_03 | Personal Protective Equipment Used | X | X | |
| E23_04 | Suspected Intentional, or Unintentional Disaster | X | X | |

| | | | | |
|--------|---|---|---|--|
| E23_05 | Suspected Contact with Blood/Body Fluids, EMS Injury/Death | X | X | |
| E23_06 | Type of Suspected Blood/Body Fluid Exposure, Injury, or Death | X | | |
| E23_07 | Personnel Exposed | X | X | |
| E23_08 | Required Reportable Conditions | X | | |
| E23_09 | Medical Command Run Identification Number | X | X | |
| E23_10 | Who Generated this Report? | X | X | |
| E23_11 | Research Survey Field Title | X | X | |

Section II
Dictionary and Reporting
Specifications
For The
West Virginia Prehospital
Electronic Patient Care Record

Section II Dictionary and Reporting Specifications for the WVPEPCR

NHTSA (NEMSIS) Table of Contents

NHTSA Uniform Pre-Hospital Emergency Medical Services (EMS) Dataset
Version 2.2.1 (2006)

Table of Contents

| EMS Dataset | | |
|--------------------|-----------------------------|-----|
| E00 | Common EMS Values | 121 |
| E01 | Record Information | 123 |
| E02 | Unit/ Agency Information | 128 |
| E03 | Unit/ Call Information | 149 |
| E04 | Unit/ Personnel Information | 153 |
| E05 | Times | 157 |
| E06 | Patient | 171 |
| E07 | Billing | 191 |
| E08 | Scene | 230 |
| E09 | Situation | 246 |
| E10 | Situation/ Trauma | 264 |
| E11 | Situation/ CPR | 277 |
| E12 | Medical History | 289 |
| E13 | Narrative | 310 |
| E14 | Assessment/ Vital Signs | 312 |
| E15 | Assessment/ Injury | 341 |
| E16 | Assessment/ Exam | 353 |
| E17 | Intervention | 379 |
| E18 | Intervention/ Medication | 381 |
| E19 | Intervention/ Procedure | 393 |
| E20 | Disposition | 409 |
| E21 | Medical Device Data | 427 |
| E22 | Outcome and Linkage | 448 |
| E23 | Miscellaneous | 455 |

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 23 Patient Care Record Number

References to Other Databases

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

E01_02 SOFTWARE CREATOR

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareCreatedBy*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E01_03 SOFTWARE NAME

Data [text]

National Element

Definition

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

| | | | |
|-------------------------------------|------------------|---------------------------------|---------------------|
| XSD Data Type | <i>xs:string</i> | XSD Domain (Simple Type) | <i>SoftwareName</i> |
| Multiple Entry Configuration | No | Accepts Null Values | No |
| Required in XSD | Yes | Minimum Constraint | 3 |
| | | Maximum Constraint | 30 |

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E01_04 SOFTWARE VERSION

Data [text]

National Element

Definition

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

| | | | |
|-------------------------------------|------------------|---------------------------------|------------------------|
| XSD Data Type | <i>xs:string</i> | XSD Domain (Simple Type) | <i>SoftwareVersion</i> |
| Multiple Entry Configuration | No | Accepts Null Values | No |
| Required in XSD | Yes | Minimum Constraint | 3 |
| | | Maximum Constraint | 30 |

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

Section E02 Unit/ Agency Information

E02_01 EMS AGENCY NUMBER

Data [text]

National Element

Definition

The state-assigned provider number of the responding agency

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

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

E02_02 INCIDENT NUMBER

Data [text]

Definition

The incident number assigned by the 911 Dispatch System

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 21 Incident Number

References to Other Databases

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

E02_04 TYPE OF SERVICE REQUESTED

Data [combo] single-choice

National Element

Definition

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

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

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

Required in XSD Yes

Field Values

30 911 Response (Scene)

40 Interfacility Transfer

50 Mutual Aid

35 Intercept

45 Medical Transport

55 Standby

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 20 Service Type

E02_05 PRIMARY ROLE OF THE UNIT

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 80 Caller (Uncooperative) |
| 85 High Call Volume | 90 Language Barrier |
| 95 Location (Inability to Obtain) | 100 No Units Available |
| 105 None | 110 Other |
| 115 Scene Safety (Not Secure for EMS) | 120 Technical Failure (Computer, Phone etc.) |

Uses

- Allows data to describe the status of Dispatch issues

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

E02_10 TYPE OF TURN-AROUND DELAY

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

| | |
|-----------------------------|-----------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 330 Clean-up |
| 335 Decontamination | 340 Documentation |
| 345 ED Overcrowding | 350 Equipment Failure |
| 355 Equipment Replenishment | 360 None |
| 365 Other | 370 Staff Delay |
| 375 Vehicle Failure | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E02_12 EMS UNIT Sticker Number

Data [combo] single-choice

Definition

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

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E02_16 BEGINNING ODOMETER READING OF RESPONDING VEHICLE

Data [number]

Definition

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

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

Field Values

- 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_17 ON-SCENE ODOMETER READING OF RESPONDING VEHICLE

Data [number]

Definition

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

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

Field Values

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

Field Values

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

390 Lights and Sirens **395** No Lights or Sirens

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 19 Lights and Sirens to Scene

Section E03 Unit/ Call Information

E03_01 COMPLAINT REPORTED BY DISPATCH

Data [combo] single-choice

National Element

Definition

The complaint dispatch reported to the responding unit.

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

NHTSA EMD Data Elements Chief Complaint Types

E03_02 EMD PERFORMED

Data [combo] single-choice

National Element

Definition

Indication of whether EMD was performed for this EMS event.

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

Field Values

| | |
|---|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 0 No |
| 570 Yes, With Pre-Arrival Instructions | 575 Yes, Without Pre-Arrival Instructions |

Uses

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

Data Collector

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

Other Associated Elements

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

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

Field Values

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

Section E04 Unit/ Personnel Information

E04_01 CREW MEMBER ID

Data [text]

Definition

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

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

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

E04_02 CREW MEMBER ROLE

Data [combo] single-choice

Definition

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

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

| | | | |
|-------------------------------------|--------------------|---------------------------------|-----------------------|
| XSD Data Type | <i>xs:integer</i> | XSD Domain (Simple Type) | <i>CrewMemberRole</i> |
| Multiple Entry Configuration | Yes, via structure | Accepts Null Values | Yes |

Required in XSD No

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

Field Values

| | |
|--------------------------------------|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 580 Driver |
| 585 Primary Patient Caregiver | 590 Secondary Patient Caregiver |
| 595 Third Patient Caregiver | 600 Other |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|-------------------------------|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E04_01 Crew Member ID | E04_03 Crew Member Level |

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 | 635 Student |
| 640 Other Healthcare Professional | 645 Other Non-Healthcare Professional |
| 6090 EMT-Basic | 6100 EMT-Intermediate |
| 6110 EMT-Paramedic | 6111 Nurse |
| 6112 Physician | 6120 First Responder |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

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

References to Other Databases

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

E05_02 PSAP CALL DATE/TIME

Data [date/time]

National Element

Definition

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

| | | | |
|-------------------------------------|--------------------|---------------------------------|---------------------------------------|
| XSD Data Type | <i>xs:dateTime</i> | XSD Domain (Simple Type) | <i>DateTime</i> |
| Multiple Entry Configuration | No | Accepts Null Values | Yes, but null value is blank or empty |
| Required in XSD | 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

Data [date/time]

National Element

Definition

The date the responding unit was notified by dispatch

| | | | | | |
|-------------------------------------|--------------------|---------------------------------|-----------------|---------------------------|-------|
| XSD Data Type | <i>xs:dateTime</i> | XSD Domain (Simple Type) | <i>DateTime</i> | | |
| Multiple Entry Configuration | No | Accepts Null Values | No | | |
| Required in XSD | Yes | Minimum Constraint | 1,990 | Maximum Constraint | 2,030 |

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

| | | |
|-----------|------------|--------------------|
| Essential | Element 11 | Date Unit Notified |
| Essential | Element 12 | Time Unit Notified |

E05_05 UNIT EN ROUTE DATE/TIME

Data [date/time]

National Element

Definition

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

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 17 Time of Arrival at Destination

E05_11 UNIT BACK IN SERVICE DATE/TIME

Data [date/time]

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 | <i>xs:dateTime</i> | XSD Domain (Simple Type) | <i>DateTime</i> | | |
| 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

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 <i>xs:dateTime</i> | | XSD Domain (Simple Type) | <i>DateTime</i> |
| Multiple Entry Configuration No | | Accepts Null Values | Yes, but null value is blank or empty |
| Required in XSD 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 | <i>xs:string</i> | XSD Domain (Simple Type) | <i>LastName</i> |
| Multiple Entry Configuration | No | Accepts Null Values | Yes |
| Required in XSD | No | Minimum Constraint | 2 |
| | | Maximum Constraint | 20 |

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

| | |
|-------------------------------|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E06_02 First Name | E06_03 Middle Initial/Name |

References in NHTSA Version 1

Essential Element 32 Patient Name

E06_02 FIRST NAME

Data [text]

Definition

The patient's first (given) name

| | | | |
|-------------------------------------|------------------|---------------------------------|------------------|
| XSD Data Type | <i>xs:string</i> | XSD Domain (Simple Type) | <i>FirstName</i> |
| Multiple Entry Configuration | No | Accepts Null Values | Yes |
| Required in XSD | No | Minimum Constraint | 1 |
| | | Maximum Constraint | 20 |

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 32 Patient Name

E06_03 MIDDLE INITIAL/NAME

Data [text]

Definition

The patient's middle name, if any

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

| | |
|-------------------------------|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E06_01 Last Name | E06_02 First 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 | <i>xs:string</i> | XSD Domain (Simple Type) | <i>StreetAddress</i> |
| Multiple Entry Configuration | No | Accepts Null Values | Yes |
| Required in XSD | No | Minimum Constraint | 2 |
| | | Maximum Constraint | 30 |

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

| | |
|---------------------------------------|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E06_01 Last Name | E06_05 Patient's Home City |
| E06_06 Patient's Home County | E06_07 Patient's Home State |
| E06_08 Patient's Home Zip Code | |

References in NHTSA Version 1

Desirable Element 33 Patient Street Address

E06_05 PATIENT'S HOME CITY

Data [combo] single-choice

Definition

The patient's home city or township or residence

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 34 City of Residence

E06_06 PATIENT'S HOME COUNTY

Data [combo] single-choice

Definition

The patient's home county or parish or residence

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

Field Values

- | | |
|--------------------|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | • 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 | E01_01 Patient Care Report Number |
| E06_01 Last Name | E06_04 Patient's Home Address |
| E06_05 Patient's Home City | E06_07 Patient's Home State |
| E06_08 Patient's Home Zip Code | |

References in NHTSA Version 1

Desirable Element 35 County of Residence

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 <i>xs:string</i> | XSD Domain (Simple Type) <i>State</i> |
| 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

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_07 Patient's Home State

References in NHTSA Version 1

Essential Element 37 Zip Code of Residence

E06_09 PATIENT'S HOME COUNTRY

Data [combo] single-choice

Definition

The patient's country of citizenship

XSD Data Type *xs:string*

Multiple Entry Configuration No

Required in XSD No

XSD Domain (Simple Type) *Country*

Accepts Null Values Yes

Minimum Constraint 2 **Maximum Constraint** 20

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

-20 Not Recorded

-10 Not Known

- Relevant Value for Data Element & Patient Care

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

E06_10 SOCIAL SECURITY NUMBER

Data [number]

Definition

The patient's social security number

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

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

- Key component of an EMS Medical Record

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 39 Social Security Number

E06_11 GENDER

Data [combo] single-choice

National Element

Definition

The patient's gender

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Gender*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

650 Male

655 Female

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 42 Gender

References to Other Databases

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

E06_13 ETHNICITY

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

References to Other Databases

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

E06_14 AGE

Data [number]

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) Age

Multiple Entry Configuration No

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD Yes

Minimum Constraint 1

Maximum Constraint 120

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

Field Values

- 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

National Element

Definition

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

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

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

Field Values

| | |
|--------------------|------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 700 Hours |
| 705 Days | 710 Months |
| 715 Years | |

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E06_14 Age

References in NHTSA Version 1

Desirable Element 41 Age

E06_16 DATE OF BIRTH

Data [date]

Definition

The patient's date of birth

XSD Data Type *xs:date*

XSD Domain (Simple Type) *DateOfBirth*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

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

Field Values

- Relevant Value for Data Element & Patient Care

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 40 Date of Birth

References to Other Databases

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

E06_17 PRIMARY OR HOME TELEPHONE NUMBER

Data [text]

Definition

The patient's home or primary telephone number

| | | | |
|-------------------------------------|------------------|---------------------------------|------------------------|
| XSD Data Type | <i>xs:string</i> | XSD Domain (Simple Type) | <i>TelephoneNumber</i> |
| 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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 720 Insurance |
| 725 Medicaid | 730 Medicare |
| 735 Not Billed (for any reason) | 740 Other Government |
| 745 Self Pay | 750 Workers Compensation |

Uses

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

Data Collector

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

Other Associated Elements

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

E07_16 PATIENT'S OCCUPATIONAL INDUSTRY

Data [combo] single-choice

Definition

The occupational industry of the patient's work

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

Field Values

| | |
|---|---------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 790 Construction |
| 795 Finance, Insurance, and Real Estate | 800 Government |
| 805 Manufacturing | 810 Mining |
| 815 Retail Trade | 820 Services |
| 825 Transportation and Public Utilities | 830 Wholesale Trade |

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

E07_17 PATIENT'S OCCUPATION

Data [combo] single-choice

Definition

The occupation of the patient

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 835 Management Occupations |
| 840 Business and Financial Operations Occupations | 845 Computer and Mathematical Occupations |
| 850 Architecture and Engineering Occupations | 855 Life, Physical, and Social Science Occupations |
| 860 Community and Social Services Occupations | 865 Legal Occupations |
| 870 Education, Training, and Library Occupations | 875 Arts, Design, Entertainment, Sports, and Media Occupations |
| 880 Healthcare Practitioners and Technical Occupations | 885 Healthcare Support Occupations |
| 890 Protective Service Occupations | 895 Food Preparation and Serving Related Occupations |
| 900 Building and Grounds Cleaning and Maintenance Occupations | 905 Personal Care and Service Occupations |
| 910 Sales and Related Occupations | 915 Office and Administrative Support Occupations |
| 920 Farming, Fishing and Forestry Occupations | 925 Construction and Extraction Occupations |
| 930 Installation, Maintenance, and Repair Occupations | 935 Production Occupations |
| 940 Transportation and Material Moving Occupations | 945 Military Specific Occupations |

Additional Information

- 1999 US Bureau of Labor Statistics Standard Occupational Classification (SOC)
- 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

E07_34 CMS SERVICE LEVEL

Data [combo] single-choice

National Element

Definition

The CMS service level for this EMS encounter.

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

Field Values

| | |
|-----------------------------|-------------------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 990 BLS |
| 995 BLS, Emergency | 1000 ALS, Level 1 |
| 1005 ALS, Level 1 Emergency | 1010 ALS, Level 2 |
| 1015 Paramedic Intercept | 1020 Specialty Care Transport |
| 1025 Fixed Wing (Airplane) | 1030 Rotary Wing (Helicopter) |

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values E01_01 Patient Care Report Number

E07_35 CONDITION CODE NUMBER

Data [combo] multiple-choice

National Element

Definition

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

| | | | |
|-------------------------------------|--------------------|---------------------------------|----------------------------|
| XSD Data Type | <i>xs:string</i> | XSD Domain (Simple Type) | <i>ConditionCodeNumber</i> |
| Multiple Entry Configuration | Yes, via structure | Accepts Null Values | Yes |
| Required in XSD | Yes | Minimum Constraint | 2 |
| | | Maximum Constraint | 30 |

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

Field Values

- | | |
|---|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 8001 Severe Abdominal Pain (ALS-789.00) |
| 8002 Abdominal Pain (ALS-789.00) | 8003 Abnormal Cardiac Rhythm/Cardiac Dysrhythmia (ALS-427.9) |
| 8004 Abnormal Skin Signs (ALS-780.8) | 8005 Abnormal Vital Signs (ALS-796.4) |
| 8006 Allergic Reaction (ALS-995.0) | 8007 Allergic Reaction (BLS-692.9) |
| 8008 Blood Glucose (ALS-790.21) | 8009 Respiratory Arrest (ALS-799.1) |
| 8010 Difficulty Breathing (ALS-786.05) | 8011 Cardiac Arrest-Resuscitation in Progress (ALS-427.5) |
| 8012 Chest Pain (non-traumatic) (ALS-786.50) | 8013 Choking Episode (ALS-784.9) |
| 8014 Cold Exposure (ALS-991.6) | 8015 Cold Exposure (BLS-991.9) |
| 8016 Altered Level of Consciousness (non-traumatic) (ALS-780.01) | 8017 Convulsions/Seizures (ALS-780.39) |
| 8018 Eye Symptoms (non-traumatic) (BLS-379.90) | 8019 Non Traumatic Headache (ALS-437.9) |
| 8020 Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1) | 8021 Cardiac Symptoms other than Chest Pain (atypical pain) (ALS-536.2) |
| 8022 Heat Exposure (ALS-992.5) | 8023 Heat Exposure (BLS-992.2) |
| 8024 Hemorrhage (ALS-459.0) | 8025 Infectious Diseases requiring Isolation/Public Health Risk (BLS-038.9) |
| 8026 Hazmat Exposure (ALS-987.9) | 8027 Medical Device Failure (ALS-996.0) |
| 8028 Medical Device Failure (BLS-996.3) | 8029 Neurologic Distress (ALS-436.0) |
| 8030 Pain (Severe) (ALS-780.99) | 8031 Back Pain (non-traumatic possible cardiac or vascular) (ALS-724.5) |
| 8032 Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9) | 8033 Poisons (all routes) (ALS-977.9) |
| 8034 Alcohol Intoxication or Drug Overdose (BLS-305.0) | 8035 Severe Alcohol Intoxication (ALS-977.3) |
| 8036 Post-Operative Procedure Complications (BLS-998.9) | 8037 Pregnancy Complication/Childbirth/Labor (ALS-650.0) |
| 8038 Psychiatric/Behavioral (abnormal mental status) (ALS-292.9) | 8039 Psychiatric/Behavioral (threat to self or others) (BLS-298.9) |
| 8040 Sick Person-Fever (BLS-036.9) | 8041 Severe Dehydration (ALS-787.01) |
| 8042 Unconscious/Syncope/Dizziness (ALS-780.02) | 8043 Major Trauma (ALS-959.8) |
| 8044 Other Trauma (need for monitor or airway) (ALS-518.5) | 8045 Other Trauma (major bleeding) (ALS-958.2) |
| 8046 Other Trauma (fracture/dislocation) (BLS-829.0) | 8047 Other Trauma (penetrating extremity) (BLS-880.0) |
| 8048 Other Trauma (amputation digits) (BLS-886.0) | 8049 Other Trauma (amputation other) (ALS-887.4) |
| 8050 Other Trauma (suspected internal injuries) (ALS-869.0) | 8051 Burns-Major (ALS-949.3) |
| 8052 Burns-Minor (BLS-949.2) | 8053 Animal Bites/Sting/Envenomation (ALS-989.5) |
| 8054 Animal Bites/Sting/Envenomation (BLS-879.8) | 8055 Lightning (ALS-994.0) |
| 8056 Electrocution (ALS-994.8) | 8057 Near Drowning (ALS-994.1) |
| 8058 Eye Injuries (BLS-921.9) | 8059 Sexual Assault (major injuries) (ALS-995.83) |
| 8060 Sexual Assault (minor injuries) (BLS-995.8) | 8061 Cardiac/Hemodynamic Monitoring Required (ALS-428.9) |
| 8062 Advanced Airway Management (ALS-518.81) | 8063 IV Meds Required (ALS-No ICD code provided) |
| 8064 Chemical Restraint (ALS-293.0) | 8065 Suctioning/Oxygen/IV fluids required (BLS-496.0) |

Section E07 Billing

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 226

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

E01_01 Patient Care Report Number

E07_36 ICD-9 Code for the Condition Code Number

E07_37 Condition Code Modifier

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E08_05 NUMBER OF PATIENTS AT SCENE

Data [combo] single-choice

National Element

Definition

Indicator of how many total patients were at the scene

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

Field Values

| | |
|--------------------|------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 1120 None |
| 1125 Single | 1130 Multiple |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References to Other Databases

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

E08_06 MASS CASUALTY INCIDENT

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) YesNoValues

Multiple Entry Configuration No

Accepts Null Values

Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-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

National Element

Definition

The kind of location where the incident happened

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

Field Values

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

Additional Information

- Based on ICD-9

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 05 Location Type

References to Other Databases

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--------------------------------------|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E08_07 Incident Location Type | |

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

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 01 Incident Address

E08_12 INCIDENT CITY

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *City*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2 **Maximum Constraint** 30

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

E08_11 Incident Address

E08_14 Incident State

E08_15 Incident ZIP Code

References in NHTSA Version 1

Essential Element 02 Incident City

E08_13 INCIDENT COUNTY

Data [combo] single-choice

Definition

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

| | | | |
|--|--|---|-----------------------------|
| XSD Data Type <i>xs:string</i> | | XSD Domain (Simple Type) <i>County</i> | |
| Multiple Entry Configuration No | | Accepts Null Values Yes | |
| Required in XSD No | | Minimum Constraint 2 | Maximum Constraint 5 |

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

- | | |
|--------------------------------------|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E08_07 Incident Location Type | |

References in NHTSA Version 1

Essential Element 03 Incident County

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

• Relevant Value for Data Element & Patient Care

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

Data [text]

National Element

Definition

The ZIP code of the incident location

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2 **Maximum Constraint** 10

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• Relevant Value for Data Element & Patient Care

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

E08_11 Incident Address

E08_12 Incident City

E08_14 Incident State

E09_01 PRIOR AID

Data [combo] multiple-choice

National Element

Definition

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

| | | | |
|---|--|---|------------------------------|
| XSD Data Type <i>xs:string</i> | | XSD Domain (Simple Type) <i>PriorAid</i> | |
| Multiple Entry Configuration Yes | | Accepts Null Values Yes | |
| Required in XSD Yes | | Minimum Constraint 2 | Maximum Constraint 30 |

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 58 Time of First CPR

References to Other Databases

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

E09_03 OUTCOME OF THE PRIOR AID

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *OutcomeOfPriorAid*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

1220 Improved

1225 Unchanged

1230 Worse

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E09_04 POSSIBLE INJURY

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

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

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

Field Values

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

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

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

Field Values

- Relevant Value for Data Element & Patient Care

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E09_10 TIME UNITS OF DURATION OF SECONDARY COMPLAINT

Data [combo] single-choice

Definition

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

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

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

Required in XSD No

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

Field Values

| | |
|---------------------|---------------------|
| 1270 Seconds | 1275 Minutes |
| 1280 Hours | 1285 Days |
| 1290 Weeks | 1295 Months |
| 1300 Years | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E09_08 Secondary Complaint Narrative

E09_09 Duration of Secondary Complaint

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 1305 Abdomen |
| 1310 Back | 1315 Chest |
| 1320 Extremity-Lower | 1325 Extremity-Upper |
| 1330 General/Global | 1335 Genitalia |
| 1340 Head | 1345 Neck |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E09_12 CHIEF COMPLAINT ORGAN SYSTEM

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

E09_14 OTHER ASSOCIATED SYMPTOMS

Data [combo] multiple-choice

National Element

Definition

Other symptoms identified by the patient or observed by EMS personnel

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

Field Values

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

Additional Information

- This data element is used for Bioterrorism Syndromic Surveillance

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

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).

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 50 Providers Impression

References to Other Databases

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

Section E09 Situation

2006 NHTSA Uniform PreHospital Dataset V.2.2.1

NHTS (NEMSIS) Page Number 261

E09_16 PROVIDER'S SECONDARY IMPRESSION

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 50 Providers Impression

E10_01 CAUSE OF INJURY

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 49 Cause of Injury

References to Other Databases

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

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 2020 Intentional, Other (Assaulted) |
| 2025 Intentional, Self | 2030 Unintentional |

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 54 Injury Intent

References to Other Databases

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

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 2035 Blunt |
| 2040 Burn | 2045 Other |
| 2050 Penetrating | |

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E10_07 Position of Patient in the Seat of the Vehicle

E10_07 POSITION OF PATIENT IN THE SEAT OF THE VEHICLE

Data [combo] single-choice

Definition

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

E10_08 USE OF OCCUPANT SAFETY EQUIPMENT

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 55 Safety Equipment

References to Other Databases

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

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.

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

Field Values

- 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

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CardiacArrest*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

2240 Yes, Prior to EMS Arrival

2245 Yes, After EMS Arrival

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

E11_02 CARDIAC ARREST ETIOLOGY

Data [combo] single-choice

National Element

Definition

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

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

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

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

2255 Trauma

2265 Respiratory

2275 Other

-20 Not Recorded

-10 Not Known

2250 Presumed Cardiac

2260 Drowning

2270 Electrocution

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

E11_03 RESUSCITATION ATTEMPTED

National Element

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

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

E11_04 ARREST WITNESSED BY

Data [combo] single-choice

Definition

Indication of who the cardiac arrest was witnessed by

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

Field Values

| | |
|------------------------------|---------------------------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 2310 Witnessed by Healthcare Provider |
| 2315 Witnessed by Lay Person | 2320 Not Witnessed |

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 62 Witness of Cardiac Arrest

References to Other Databases

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

E11_05 FIRST MONITORED RHYTHM OF THE PATIENT

Data [combo] single-choice

Definition

Documentation of what the first monitored rhythm which was noted

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

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

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

E11_09 DATE/TIME RESUSCITATION DISCONTINUED

Data [date/time]

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 60 Time CPR Discontinued

E11_10 REASON CPR DISCONTINUED

Data [combo] single-choice

Definition

The reason that CPR or the resuscitation efforts were discontinued.

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

E11_11 CARDIAC RHYTHM ON ARRIVAL AT DESTINATION

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 67 Rhythm at Destination

E12_01 BARRIERS TO PATIENT CARE

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

References to Other Databases

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

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 | -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
- 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_20 PREGNANCY

Data [combo] single-choice

Definition

Indication of the possibility by the patient's history of current pregnancy

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

Uses

- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E13_01 RUN REPORT NARRATIVE

Data [text]

Definition

The narrative of the run report

XSD Data Type *xs:string*

XSD Domain (Simple Type) *RunReportNarrative*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 4,000

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

Additional Information

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

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

Section E14 Assessment/ Vital Signs

E14_01 DATE/TIME VITAL SIGNS TAKEN

Data [date/time]

Definition

Date/Time Vital Signs Taken

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

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

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

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

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

E14_02 OBTAINED PRIOR TO THIS UNITS EMS CARE

Data [combo] single-choice

Definition

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

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E14_03 CARDIAC RHYTHM

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 in section E14 is associated with a E14_01 Date/Time

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Desirable Element 66 Initial Cardiac Rhythm

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_05 DBP (Diastolic Blood Pressure)

E14_06 Method of Blood Pressure Measurement

References in NHTSA Version 1

Essential Element 70 Systolic Blood Pressure

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

Field Values

- 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_01 Date/Time Vital Signs Taken

E14_04 SBP (Systolic Blood Pressure)

E14_06 Method of Blood Pressure Measurement

References in NHTSA Version 1

Essential Element 71 Diastolic Blood Pressure

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

Field Values

3150 Arterial Line

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_01 Date/Time Vital Signs Taken

E14_04 SBP (Systolic Blood Pressure)

E14_05 DBP (Diastolic Blood Pressure)

E14_07 PULSE RATE

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PulseRate*

Multiple Entry Configuration Yes, via structure

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 0

Maximum Constraint

500

XSD Structure: Each element 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 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_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 patients pulse (regular, irregular, etc.)

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

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

Required in XSD No

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

Field Values

| | |
|--------------------|------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3175 Regular |
| 3180 Irregular | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E14_11 RESPIRATORY RATE

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *RespiratoryRate*

Multiple Entry Configuration Yes, via structure

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 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 <i>xs:integer</i> | XSD Domain (Simple Type) <i>RespiratoryEffort</i> |
| Multiple Entry Configuration Yes, via structure | Accepts Null Values Yes |
| Required in XSD No | |

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 69 Respiratory Effort

E14_13 CARBON DIOXIDE

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) CO2

Multiple Entry Configuration Yes, via structure

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_14 BLOOD GLUCOSE LEVEL

Data [number]

Definition

The patient's blood glucose level

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *BloodGlucoseLevel*

Multiple Entry Configuration Yes, via structure

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 0

Maximum Constraint 2,000

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

Field Values

- Relevant Value for Data Element & Patient Care

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

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

Field Values

-25 Not Applicable

-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

3225 Patient Intubated and Chemically Paralyzed

3220 Patient Intubated

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E14_01 Date/Time Vital Signs Taken

E14_16 Glasgow Coma Score-Verbal

E14_19 Total Glasgow Coma Score

E01_01 Patient Care Report Number

E14_15 Glasgow Coma Score-Eye

E14_17 Glasgow Coma Score-Motor

E14_19 TOTAL GLASGOW COMA SCORE

Data [number]

Definition

The patient's total Glasgow Coma Score

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TotalGCS*

Multiple Entry Configuration Yes, via structure

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 1

Maximum Constraint 15

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

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_15 Glasgow Coma Score-Eye

E14_16 Glasgow Coma Score-Verbal

E14_17 Glasgow Coma Score-Motor

E14_18 Glasgow Coma Score-Qualifier

References in NHTSA Version 1

Desirable Element 76 Glasgow Coma Score (Total)

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

Field Values

- Relevant Value for Data Element & Patient Care

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_21 Temperature Method

E14_21 TEMPERATURE METHOD

Data [combo] single-choice

Definition

The method used to obtain the patient's body temperature

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

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

Required in XSD No

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

Field Values

3230 Axillary

3235 Oral

3240 Rectal

3245 Tympanic

3250 Urinary catheter

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_20 Temperature

E14_22 LEVEL OF RESPONSIVENESS

Data [combo] single-choice

Definition

The patients level of responsiveness

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

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

Required in XSD No

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

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

3260 Verbal

3270 Unresponsive

-20 Not Recorded

-10 Not Known

3255 Alert

3265 Painful

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E14_01 Date/Time Vital Signs Taken

E01_01 Patient Care Report Number

E14_23 PAIN SCALE

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PainScale*

Multiple Entry Configuration Yes, via structure

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 0

Maximum Constraint 10

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- Number from 0 to 10

Uses

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

Data Collector

- EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_24 STROKE SCALE

Data [combo] single-choice

Definition

The patient's Los Angeles or Cincinnati Stroke Scale Results

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

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

Required in XSD No

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

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

3280 Cincinnati Stroke Scale Non-conclusive

3290 LA Stroke Scale Negative

3300 LA Stroke Scale Positive

-20 Not Recorded

-10 Not Known

3275 Cincinnati Stroke Scale Negative

3285 Cincinnati Stroke Scale Positive

3295 LA Stroke Scale Non-conclusive

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_25 THROMBOLYTIC SCREEN

Data [combo] single-choice

Definition

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

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

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

Required in XSD No

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

3305 Definite Contraindications to Thrombolytic use

3310 No Contraindications to Thrombolytic Use

3315 Possible Contraindications to Thrombolytic Use

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

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 in 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

E14_28 PEDIATRIC TRAUMA SCORE

Data [number]

Definition

The Trauma Score for patients age 12 and under

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PediatricTraumaScore*

Multiple Entry Configuration Yes, via structure

Accepts Null Values

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint -6

Maximum Constraint 12

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E15_01 NHTSA INJURY MATRIX EXTERNAL/SKIN

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 53 Injury Description

E15_03 NHTSA INJURY MATRIX FACE

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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)

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/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_06 NHTSA INJURY MATRIX ABDOMEN

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

E15_07 NHTSA INJURY MATRIX SPINE

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Spine

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

E15_10 NHTSA INJURY MATRIX LOWER EXTREMITIES

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Lower Extremities

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

E15_11 NHTSA INJURY MATRIX UNSPECIFIED

Data [combo] multiple-choice

Definition

Type of injury identified and associated with Unspecified

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

Field Values

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

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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 | <i>xs:integer</i> | XSD Domain (Simple Type) | <i>EstimatedBodyWeight</i> |
| 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

XSD Data Type *xs:integer*

Multiple Entry Configuration No

Required in XSD No

XSD Domain (Simple Type) *BroselowLutenColor*

Accepts Null Values

BroselowLutenColor

Yes

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

3380 Green

3390 Orange

3400 Purple

3410 White

-20 Not Recorded

-10 Not Known

3375 Blue

3385 Grey

3395 Pink

3405 Red

3415 Yellow

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

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

References in NHTSA Version 1

Desirable Element 72 Skin Perfusion

E16_05 HEAD/FACE ASSESSMENT

Data [combo] multiple-choice

Definition

The assessment of the patient's face on examination

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E16_06 NECK ASSESSMENT

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E16_07 CHEST/LUNGS ASSESSMENT

Data [combo] multiple-choice

Definition

The assessment of the patient's chest on examination

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E16_08 HEART ASSESSMENT

Data [combo] multiple-choice

Definition

The assessment of the patient's heart on examination

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E16_11 ABDOMEN RIGHT UPPER ASSESSMENT

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

E16_12 ABDOMEN RIGHT LOWER ASSESSMENT

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

| | |
|--------------------|------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3705 Normal |
| 3710 Not Done | 3715 Distention |
| 3720 Guarding | 3725 Mass |
| 3730 Tenderness | |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_13 GU Assessment |
| E16_14 Back Cervical Assessment | E16_15 Back Thoracic Assessment |
| E16_16 Back Lumbar/Sacral Assessment | E16_17 Extremities-Right Upper Assessment |
| E16_18 Extremities-Right Lower Assessment | E16_19 Extremities-Left Upper Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3735 Normal |
| 3740 Not Done | 3745 Crowning |
| 3750 Genital Injury | 3755 Tenderness |
| 3760 Unstable | |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_14 Back Cervical Assessment | E16_15 Back Thoracic Assessment |
| E16_16 Back Lumbar/Sacral Assessment | E16_17 Extremities-Right Upper Assessment |
| E16_18 Extremities-Right Lower Assessment | E16_19 Extremities-Left Upper Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3790 Normal |
| 3795 Not Done | 3800 Pain to ROM |
| 3805 Tender Para-spinous | 3810 Tender Spinous Process |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_16 Back Lumbar/Sacral Assessment | E16_17 Extremities-Right Upper Assessment |
| E16_18 Extremities-Right Lower Assessment | E16_19 Extremities-Left Upper Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

E16_16 BACK LUMBAR/SACRAL ASSESSMENT

Data [combo] multiple-choice

Definition

The assessment of the patient's back-lumbar/sacral on examination

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

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

Required in XSD No

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

Field Values

| | |
|--------------------------|-----------------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3815 Normal |
| 3820 Not Done | 3825 Pain to ROM |
| 3830 Tender Para-spinous | 3835 Tender Spinous Process |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_17 Extremities-Right Upper Assessment |
| E16_18 Extremities-Right Lower Assessment | E16_19 Extremities-Left Upper Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

E16_17 EXTREMITIES-RIGHT UPPER ASSESSMENT

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

| | |
|-------------------------|---------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3840 Normal |
| 3845 Not Done | 3850 Abnormal Pulse |
| 3855 Abnormal Sensation | 3860 Edema |
| 3865 Tenderness | 3870 Weakness |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|---|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_18 Extremities-Right Lower Assessment | E16_19 Extremities-Left Upper Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

E16_18 EXTREMITIES-RIGHT LOWER ASSESSMENT

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

| | |
|-------------------------|---------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3875 Normal |
| 3880 Not Done | 3885 Abnormal Pulse |
| 3890 Abnormal Sensation | 3895 Edema |
| 3900 Tenderness | 3905 Weakness |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|---|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_17 Extremities-Right Upper Assessment | E16_19 Extremities-Left Upper Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3910 Normal |
| 3915 Not Done | 3920 Abnormal Pulse |
| 3925 Abnormal Sensation | 3930 Edema |
| 3935 Tenderness | 3940 Weakness |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_17 Extremities-Right Upper Assessment | E16_18 Extremities-Right Lower Assessment |
| E16_20 Extremities-Left Lower Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3945 Normal |
| 3950 Not Done | 3955 Abnormal Pulse |
| 3960 Abnormal Sensation | 3965 Edema |
| 3970 Tenderness | 3975 Weakness |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_17 Extremities-Right Upper Assessment | E16_18 Extremities-Right Lower Assessment |
| E16_19 Extremities-Left Upper Assessment | E16_21 Eyes-Left Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

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 | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 3980 Not Done |
| 3985 2-mm | 3990 3-mm |
| 3995 4-mm | 4000 5-mm |
| 4005 6-mm | 4010 7-mm |
| 4015 Blind | 4020 Reactive |
| 4025 Non-Reactive | |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_17 Extremities-Right Upper Assessment | E16_18 Extremities-Right Lower Assessment |
| E16_19 Extremities-Left Upper Assessment | E16_20 Extremities-Left Lower Assessment |
| E16_22 Eyes-Right Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

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 | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_17 Extremities-Right Upper Assessment | E16_18 Extremities-Right Lower Assessment |
| E16_19 Extremities-Left Upper Assessment | E16_20 Extremities-Left Lower Assessment |
| E16_21 Eyes-Left Assessment | E16_23 Mental Status Assessment |
| E16_24 Neurological Assessment | |

E16_23 MENTAL STATUS ASSESSMENT

Data [combo] multiple-choice

Definition

The assessment of the patient's mental status on examination

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

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

Required in XSD No

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

Field Values

| | |
|----------------------|---------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 4080 Normal |
| 4085 Not Done | 4090 Combative |
| 4095 Confused | 4100 Hallucinations |
| 4105 Oriented-Person | 4110 Oriented-Place |
| 4115 Oriented-Time | 4120 Unresponsive |

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E16_03 Date/Time of Assessment | E16_04 Skin Assessment |
| E16_05 Head/Face Assessment | E16_06 Neck Assessment |
| E16_07 Chest/Lungs Assessment | E16_08 Heart Assessment |
| E16_09 Abdomen Left Upper Assessment | E16_10 Abdomen Left Lower Assessment |
| E16_11 Abdomen Right Upper Assessment | E16_12 Abdomen Right Lower Assessment |
| E16_13 GU Assessment | E16_14 Back Cervical Assessment |
| E16_15 Back Thoracic Assessment | E16_16 Back Lumbar/Sacral Assessment |
| E16_17 Extremities-Right Upper Assessment | E16_18 Extremities-Right Lower Assessment |
| E16_19 Extremities-Left Upper Assessment | E16_20 Extremities-Left Lower Assessment |
| E16_21 Eyes-Left Assessment | E16_22 Eyes-Right Assessment |
| E16_24 Neurological Assessment | |

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 | |

Section E17 Intervention

Section E18 Intervention/ Medication

E18_01 DATE/TIME MEDICATION ADMINISTERED

Data [date/time]

Definition

The date/time medication administered to the patient

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

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

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow multiple medication administrations to be documented

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E18_02 Medication Administered Prior to this Units
EMS Care

E18_03 Medication Given

E18_04 Medication Administered Route

E18_05 Medication Dosage

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_10 Medication Authorization

E18_11 Medication Authorizing Physician

E18_02 MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE

Data [combo] single-choice

Definition

Indicates that the medication administration which is documented was administered prior to this EMS unit's care.

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

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

Required in XSD No

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

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

Additional Information

- If E18_02 is "Yes", the Date/Time Medication Administered (E18_01) is not required

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|---|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E18_01 Date/Time Medication Administered | E18_03 Medication Given |
| E18_04 Medication Administered Route | E18_05 Medication Dosage |
| E18_06 Medication Dosage Units | E18_07 Response to Medication |
| E18_08 Medication Complication | E18_09 Medication Crew Member ID |
| E18_10 Medication Authorization | E18_11 Medication Authorizing Physician |

E18_03 MEDICATION GIVEN

Data [combo] single-choice

National Element

Definition

The medication given to the patient

XSD Data Type *xs:string*

XSD Domain (Simple Type) *MedicationsGiven*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2 **Maximum Constraint** 30

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• Relevant Value for Data Element & Patient Care

Additional Information

- List created from Medications (D04_06)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E18_01 Date/Time Medication Administered

E18_02 Medication Administered Prior to this Units
EMS Care

E18_04 Medication Administered Route

E18_05 Medication Dosage

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_10 Medication Authorization

E18_11 Medication Authorizing Physician

References in NHTSA Version 1

Essential Element 80 Medication Name

References to Other Databases

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

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 Intraosseous |
| 4200 Intraocular | 4205 Intravenous |
| 4210 Nasal | 4215 Nasal prongs |
| 4220 Nasogastric | 4225 Ophthalmic |
| 4230 Oral | 4235 Other/miscellaneous |
| 4240 Otic | 4245 Re-breather mask |
| 4250 Rectal | 4255 Subcutaneous |
| 4260 Sublingual | 4265 Topical |
| 4270 Tracheostomy | 4275 Transdermal |
| 4280 Urethral | 4285 Ventimask |
| 4290 Wound | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|---|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E18_01 Date/Time Medication Administered | E18_02 Medication Administered Prior to this Units EMS Care |
| E18_03 Medication Given | E18_05 Medication Dosage |
| E18_06 Medication Dosage Units | E18_07 Response to Medication |
| E18_08 Medication Complication | E18_09 Medication Crew Member ID |
| E18_10 Medication Authorization | E18_11 Medication Authorizing Physician |

References to Other Databases

- **DEEDS** DEEDS/HL-7 Version 2.3; [combo] Apply externally = AP, Buccal = B, Dental = DT, Epidural = EP, Endotracheal tube = ET, Gastronomy tube = GTT, Genitourinary irrigant = GU, Intraarterial = IA, Intrabursal = IB, Intracardiac = IC, Intracervical (uterus) = IC

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_01 Date/Time Medication Administered

E18_02 Medication Administered Prior to this Units
EMS Care

E18_03 Medication Given

E18_04 Medication Administered Route

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_10 Medication Authorization

E18_11 Medication Authorizing Physician

E18_06 MEDICATION DOSAGE UNITS

Data [combo] single-choice

Definition

The units of medication dosage given to patient

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *MedicationDosageUnits*

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

Required in XSD No

XSD Structure: (1) All data elements section E18 are members of the E18 Medication Structure. (2) E18_05 and E18_06 are members of E18_05_0 Medication Dosing Structure

Field Values

| | |
|------------------------|-----------------------|
| 4295 GMS | 4300 Inches |
| 4305 IU | 4310 KVO (TKO) |
| 4315 L/MIN | 4320 LITERS |
| 4325 LPM | 4330 MCG |
| 4335 MCG/KG/MIN | 4340 MEQ |
| 4345 MG | 4350 MG/KG/MIN |
| 4355 ML | 4360 ML/HR |
| 4365 Other | 4370 Puffs |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|---|
| E01_01 Patient Care Report Number | E18_01 Date/Time Medication Administered |
| E18_02 Medication Administered Prior to this Units EMS Care | E18_03 Medication Given |
| E18_03 Medication Given | E18_04 Medication Administered Route |
| E18_05 Medication Dosage | E18_07 Response to Medication |
| E18_08 Medication Complication | E18_09 Medication Crew Member ID |
| E18_10 Medication Authorization | E18_11 Medication Authorizing Physician |

References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

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

-15 Not Reporting

-5 Not Available

4380 Unchanged

-20 Not Recorded

-10 Not Known

4375 Improved

4385 Worse

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E18_01 Date/Time Medication Administered

E18_03 Medication Given

E18_05 Medication Dosage

E18_08 Medication Complication

E18_10 Medication Authorization

E01_01 Patient Care Report Number

E18_02 Medication Administered Prior to this Units
EMS Care

E18_04 Medication Administered Route

E18_06 Medication Dosage Units

E18_09 Medication Crew Member ID

E18_11 Medication Authorizing Physician

E18_08 MEDICATION COMPLICATION

Data [combo] multiple-choice

National Element

Definition

Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *MedicationComplication*

Multiple Entry Configuration (1) Yes, via structure. (2) Yes for each E14_01 Date/Time

Accepts Null Values Yes

Required in XSD Yes

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

| | |
|----------------------------|------------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 4390 None |
| 4395 Altered Mental Status | 4400 Apnea |
| 4405 Bleeding | 4410 Bradycardia |
| 4415 Diarrhea | 4420 Extravasation |
| 4425 Hypertension | 4430 Hyperthermia |
| 4435 Hypotension | 4440 Hypoxia |
| 4445 Injury | 4450 Itching/Urticaria |
| 4455 Nausea | 4460 Other |
| 4465 Respiratory Distress | 4470 Tachycardia |
| 4475 Vomiting | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|---|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E18_01 Date/Time Medication Administered | E18_02 Medication Administered Prior to this Units EMS Care |
| E18_03 Medication Given | E18_04 Medication Administered Route |
| E18_05 Medication Dosage | E18_06 Medication Dosage Units |
| E18_07 Response to Medication | E18_09 Medication Crew Member ID |
| E18_10 Medication Authorization | E18_11 Medication Authorizing Physician |

E18_09 MEDICATION CREW MEMBER ID

Data [text]

Definition

The statewide assigned ID number of the EMS crew member giving the treatment to the patient

| | | | |
|-------------------------------------|--------------------|---------------------------------|---------------------|
| XSD Data Type | <i>xs:integer</i> | XSD Domain (Simple Type) | <i>CrewMemberID</i> |
| Multiple Entry Configuration | Yes, via structure | Accepts Null Values | Yes |
| Required in XSD | No | Minimum Constraint | 2 |
| | | Maximum Constraint | 15 |

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

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

Additional Information

- Linked to State/Licensure ID Number (D07_02)
- List box created from the State/Licensure ID Number (D07_02) which could display the Personnel's Names as associated with D08_01, D08_02, and D08_03 for easy data entry

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|---|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E18_01 Date/Time Medication Administered | E18_02 Medication Administered Prior to this Units EMS Care |
| E18_03 Medication Given | E18_04 Medication Administered Route |
| E18_05 Medication Dosage | E18_06 Medication Dosage Units |
| E18_07 Response to Medication | E18_08 Medication Complication |
| E18_10 Medication Authorization | E18_11 Medication Authorizing Physician |

References in NHTSA Version 1

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

E18_10 MEDICATION AUTHORIZATION

Data [combo] single-choice

Definition

The type of treatment authorization obtained

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

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

Required in XSD No

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4480 On-Line

4485 On-Scene

4490 Protocol (Standing Order)

4495 Written Orders (Patient Specific)

Additional Information

- Associated with Medication Authorization (E18_11) if the value is not "Protocol"

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E18_01 Date/Time Medication Administered

E18_02 Medication Administered Prior to this Units
EMS Care

E18_03 Medication Given

E18_04 Medication Administered Route

E18_05 Medication Dosage

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_11 Medication Authorizing Physician

E18_11 Medication Authorizing Physician

References in NHTSA Version 1

Desirable Element 81 Treatment Authorization

Section E19 Intervention/ Procedure

E19_01 DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

Data [date/time]

Definition

The date and time the procedure was performed on the patient

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

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

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

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

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow for multiple procedures to be documented

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|---|--|
| E01_01 Patient Care Report Number | E19_02 Procedure Performed Prior to this Units EMS Care |
| E19_03 Procedure | E19_04 Size of Procedure Equipment |
| E19_05 Number of Procedure Attempts | E19_06 Procedure Successful |
| E19_07 Procedure Complication | E19_08 Response to Procedure |
| E19_09 Procedure Crew Members ID | E19_10 Procedure Authorization |
| E19_11 Procedure Authorizing Physician | E19_12 Successful IV Site |
| E19_13 Tube Confirmation | E19_14 Destination Confirmation of Tube Placement |

References in NHTSA Version 1

Desirable Element 58 Time of First CPR
Desirable Element 63 Time of First Defibrillatory Shock

E19_02 PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE

Data [combo] single-choice

Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS unit's care.

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

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

Required in XSD No

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

Field Values

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

Additional Information

- If E19_02 is "Yes", the Date/Time Medication Administered (E19_01) is not required

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|---|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E19_01 Date/Time Procedure Performed Successfully | E19_03 Procedure |
| E19_04 Size of Procedure Equipment | E19_05 Number of Procedure Attempts |
| E19_06 Procedure Successful | E19_07 Procedure Complication |
| E19_08 Response to Procedure | E19_09 Procedure Crew Members ID |
| E19_10 Procedure Authorization | E19_11 Procedure Authorizing Physician |

E19_03 PROCEDURE

Data [combo] single-choice

National Element

Definition

The procedure performed on the patient.

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *Procedure*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 0

Maximum Constraint 1,000

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• Relevant Value for Data Element & Patient Care

Additional Information

- List created from Procedures (D04_04)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_02 Procedure Performed Prior to this Units EMS Care

E19_04 Size of Procedure Equipment

E19_05 Number of Procedure Attempts

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

References in NHTSA Version 1

Desirable Element 58 Time of First CPR

Desirable Element 63 Time of First Defibrillatory Shock

References to Other Databases

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

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

- Relevant Value for Data Element & Patient Care

Additional Information

- Can be entered as text or configured as a List Box with the specific size associated with each Procedure listed for each EMS Agency (D04_04) in the Demographic Dataset

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E19_01 Date/Time Procedure Performed Successfully

E19_03 Procedure

E19_06 Procedure Successful

E19_08 Response to Procedure

E19_10 Procedure Authorization

E01_01 Patient Care Report Number

E19_02 Procedure Performed Prior to this Units EMS Care

E19_05 Number of Procedure Attempts

E19_07 Procedure Complication

E19_09 Procedure Crew Members ID

E19_11 Procedure Authorizing Physician

References in NHTSA Version 1

Essential Element 78 Procedure or Treatment Name

E19_05 NUMBER OF PROCEDURE ATTEMPTS

Data [number]

National Element

Definition

The number of attempts taken to complete a procedure or intervention regardless of success

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NumberOfProcedureAttempts*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint -25 **Maximum Constraint** 100

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• Relevant Value for Data Element & Patient Care

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_02 Procedure Performed Prior to this Units EMS Care

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

E19_06 PROCEDURE SUCCESSFUL

Data [combo] single-choice

National Element

Definition

Indication of whether or not the procedure performed on the patient was successful

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

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

Required in XSD Yes

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| 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_07 Procedure Complication |
| E19_08 Response to Procedure | E19_09 Procedure Crew Members ID |
| E19_10 Procedure Authorization | E19_11 Procedure Authorizing Physician |

E19_07 PROCEDURE COMPLICATION

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ProcedureComplication*

Multiple Entry Configuration (1) Yes, via structure. (2) Yes for each E14_01 Date/Time

Accepts Null Values Yes

Required in XSD Yes

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

Field Values

| | |
|----------------------------------|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 4500 None |
| 4505 Altered Mental Status | 4510 Apnea |
| 4515 Bleeding | 4520 Bradycardia |
| 4525 Diarrhea | 4530 Esophageal Intubation-immediately |
| 4535 Esophageal Intubation-other | 4540 Extravasation |
| 4545 Hypertension | 4550 Hyperthermia |
| 4555 Hypotension | 4560 Hypoxia |
| 4565 Injury | 4570 Itching/Urticaria |
| 4575 Nausea | 4580 Other |
| 4585 Respiratory Distress | 4590 Tachycardia |
| 4595 Vomiting | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E19_01 Date/Time Procedure Performed Successfully | E19_02 Procedure Performed Prior to this Units EMS Care |
| E19_03 Procedure | E19_04 Size of Procedure Equipment |
| E19_05 Number of Procedure Attempts | E19_06 Procedure Successful |
| E19_08 Response to Procedure | E19_09 Procedure Crew Members ID |
| E19_10 Procedure Authorization | E19_11 Procedure Authorizing Physician |

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

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_02 Procedure Performed Prior to this Units EMS Care

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_05 Number of Procedure Attempts

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

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 <i>xs:integer</i> | XSD Domain (Simple Type) <i>CrewMemberID</i> |
| Multiple Entry Configuration Yes, via structure | Accepts Null Values Yes |
| Required in XSD No | Minimum Constraint 2 Maximum Constraint 15 |

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

Field Values

- | | |
|--------------------|--|
| -25 Not Applicable | -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 |

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

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-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

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_02 Procedure Performed Prior to this Units EMS Care

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_05 Number of Procedure Attempts

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_11 Procedure Authorizing 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

XSD Data Type *xs:integer*

Multiple Entry Configuration Yes

Required in XSD No

XSD Domain (Simple Type)

Accepts Null Values

SuccessfulIVSite

Yes

Field Values

| | |
|-----------------------------|----------------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 4635 Antecubital-Left |
| 4640 Antecubital-Right | 4645 External Jugular-Left |
| 4650 External Jugular-Right | 4655 Femoral-Left IV |
| 4660 Femoral-Left Distal IO | 4665 Femoral-Right IV |
| 4670 Femoral-Right IO | 4675 Forearm-Left |
| 4680 Forearm-Right | 4685 Hand-Left |
| 4690 Hand-Right | 4695 Lower Extremity-Left |
| 4700 Lower Extremity-Right | 4705 Other |
| 4710 Scalp | 4715 Sternal IO |
| 4720 Tibia IO-Left | 4725 Tibia IO-Right |
| 4730 Umbilical | |

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

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*

Multiple Entry Configuration Yes

Required in XSD No

XSD Domain (Simple Type) *TubeConfirmation*

Accepts Null Values

TubeConfirmation

Yes

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

-20 Not Recorded

-10 Not Known

4735 Auscultation of Bilateral Breath Sounds

4745 Digital CO2 Confirmation

4755 Negative Auscultation of the Epigastrium

4765 Visualization of Tube Passing Through the Cords

Additional Information

- Associated with Procedure (E19_03) if Airway Procedure leads to Intubation

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E19_03 Procedure

E01_01 Patient Care Report Number

E19_14 DESTINATION CONFIRMATION OF TUBE PLACEMENT

Data [combo] multiple-choice

Definition

Endotracheal Tube location verification on the arrival at the Destination (if applicable)

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

Field Values

| | |
|---|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 4775 Auscultation of Bilateral Breath Sounds |
| 4780 Colormetric CO2 Detector Confirmation | 4785 Digital CO2 Confirmation |
| 4790 Esophageal Bulb Aspiration confirmation | 4795 Negative Auscultation of the 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

Section E20 Disposition

E20_01 DESTINATION/TRANSFERRED TO, NAME

Data [text]

Definition

The destination the patient was delivered or transferred to

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

Field Values

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

Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04_11) and Other Destinations (D04_13)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E20_02 Destination/Transferred To, Code | |

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

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

Field Values

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

Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04_12) and Other Destinations (D04_14)

Uses

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

Data Collector

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

Other Associated Elements

| | |
|--|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E20_01 Destination/Transferred To, Name | |

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

| | |
|--|--|
| XSD Data Type <i>xs:string</i> | XSD Domain (Simple Type) <i>City</i> |
| 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 |

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2 **Maximum Constraint** 3

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• Relevant Value for Data Element & Patient Care

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Destination Zip Code (E20_07)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

E20_03 Destination Street Address

E20_04 Destination City

E20_07 Destination Zip Code

E20_06 DESTINATION COUNTY

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

Multiple Entry Configuration No

Required in XSD No

XSD Domain (Simple Type) *County*

Accepts Null Values Yes

Minimum Constraint 2 **Maximum Constraint** 5

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

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

E20_07 DESTINATION ZIP CODE

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2 **Maximum Constraint** 10

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

• 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

National Element

Definition

Type of disposition treatment and/or transport of the patient.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IncidentPatientDisposition*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

4815 Cancelled

4820 Dead at Scene

4825 No Patient Found

4830 No Treatment Required

4835 Patient Refused Care

4840 Treated and Released

4845 Treated, Transferred Care

4850 Treated, Transported by EMS

4855 Treated, Transported by Law Enforcement

4860 Treated, Transported by Private Vehicle

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 47 Incident/Patient Disposition

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Disposition; Pick-List: FD Transport to Emergency Care Facility (ECF) = 1, Non-FD Transport = 2, Non-FD Transport with FD Attendant = 3, Non-Emergency Transfer = 4, Other = O, Not Transported under EMS = N

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

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4955 Initial Lights and Sirens, Downgraded to No Lights or Sirens

4960 Initial No Lights or Sirens, Upgraded to Lights and Sirens

4965 Lights and Sirens

4970 No Lights or Sirens

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the transportation mode
- Allows data to describe transportation mode used by EMS

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 46 Lights and Sirens used from the Scene

E20_15 CONDITION OF PATIENT AT DESTINATION

Data [combo] single-choice

Definition

The condition of the patient after care by EMS

| | | | |
|--|--|--|------------|
| XSD Data Type <i>xs:integer</i> | | XSD Domain (Simple Type) <i>ConditionOfPatientAtDestination</i> | |
| 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

E20_16 REASON FOR CHOOSING DESTINATION

Data [combo] single-choice

National Element

Definition

The reason the unit chose to deliver or transfer the patient to the destination

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ReasonForChoosingDestination*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

4990 Closest Facility (none below)

4995 Diversion

5000 Family Choice

5005 Insurance Status

5010 Law Enforcement Choice

5015 On-Line Medical Direction

5020 Other

5025 Patient Choice

5030 Patient's Physicians Choice

5035 Protocol

5040 Specialty Resource Center

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the destination choice
- Allows data to give a reason for choosing the patient's destination which is important to document from a specialty care agency and diversion/overcrowding perspective

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 45 Destination Determination

E20_17 TYPE OF DESTINATION

Data [combo] single-choice

National Element

Definition

The type of destination the patient was delivered or transferred to

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfDestination*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

7270 Home

7280 Hospital

7290 Medical Office/Clinic

7300 Morgue

7320 Nursing Home

7330 Other

7340 Other EMS Responder (air)

7350 Other EMS Responder (ground)

7360 Police/Jail

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted or grouped based on the EMS transports destination type
- Allows data to describe EMS patient's destination type

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

References in NHTSA Version 1

Essential Element 44 Destination/Transferred To

E22_01 EMERGENCY DEPARTMENT DISPOSITION

Data [combo] single-choice

National Element

Definition

The known disposition of the patient from the Emergency Department (ED)

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EmergencyDepartmentDisposition*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

5335 Admitted to Hospital Floor

5340 Admitted to Hospital ICU

5345 Death

5350 Not Applicable (Not Transported to ED)

5355 Released

5360 Transferred

Uses

- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E22_02 HOSPITAL DISPOSITION

Data [combo] single-choice

National Element

Definition

Indication of how the patient was dispositioned from the hospital, if admitted.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *HospitalDisposition*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

5365 Death

5370 Discharged

5375 Transfer to Hospital

5380 Transfer to Nursing Home

5385 Transfer to Other

5390 Transfer to Rehabilitation Facility

Uses

- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

- **UTSTEIN** Title: Survived Event to ED/ICU; Admitted to ED, Admitted to ICU

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

Field Values

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

Multiple Entry Configuration Yes

Required in XSD No

XSD Domain (Simple Type) *PersonalProtectiveEquipmentUsed*

Accepts Null Values

PersonalProtectiveEquipmentUsed

Yes

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

5440 Gloves

5450 Level B Suit

5460 Mask

-20 Not Recorded

-10 Not Known

5435 Eye Protection

5445 Level A Suit

5455 Level C Suit

5465 Other

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E23_04 SUSPECTED INTENTIONAL, OR UNINTENTIONAL DISASTER

Data [combo] multiple-choice

Definition

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

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

Field Values

| | |
|-----------------------------------|-------------------------|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| -5 Not Available | 5470 Biologic Agent |
| 5475 Building Failure | 5480 Chemical Agent |
| 5485 Explosive Device | 5490 Fire |
| 5495 Hostage Event | 5500 Mass Gathering |
| 5505 Nuclear Agent | 5510 Radioactive Device |
| 5515 Secondary Destructive Device | 5520 Shooting/Sniper |
| 5525 Vehicular | 5530 Weather |

Uses

- May assist in the tracking and identification of Disaster or Terrorism related events

Data Collector

- EMS personnel

Other Associated Elements

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

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

Field Values

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

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

| | |
|---|--|
| E00 Common Null Values | E01_01 Patient Care Report Number |
| E23_06 Type of Suspected Blood/Body Fluid Exposure, Injury, or Death | E23_07 Personnel Exposed |

E23_07 PERSONNEL EXPOSED

Data [combo] multiple-choice

Definition

The EMS personnel who was/were exposed to unprotected contact with blood or body fluids

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PersonnelExposed*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

5590 This EMS Crew

5595 Non-EMS individual

5600 Other EMS Personnel

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23_06) and Personnel Exposed (E23_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E23_05 Suspected Contact with Blood/Body Fluids of EMS Injury or Death

E23_06 Type of Suspected Blood/Body Fluid Exposure, Injury, or Death

E23_09 Medical Command Call Identification Number

Data [text]

Definition

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

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

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

Field Values

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

Additional Information

• Unique identifier for each report entered in the Medic Calls Table and each of its linked reports in both the Drugs and Treatments Tables.

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E23_11 Research Survey Field Title

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CrewMemberID*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2 **Maximum Constraint** 15

Field Values

-25 Not Applicable

-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

- Important for the Quality Management evaluation
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E23_11 RESEARCH SURVEY FIELD TITLE

Data [text]

Definition

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

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

Field Values

Additional Information

- A multiple entry configuration to allow multiple Research Survey Fields

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E23_09 Research Survey Field

Filed List Index

| | |
|---|-----|
| ABDOMEN LEFT LOWER ASSESSMENT | 199 |
| ABDOMEN LEFT UPPER ASSESSMENT | 198 |
| ABDOMEN RIGHT LOWER ASSESSMENT | 201 |
| ABDOMEN RIGHT UPPER ASSESSMENT | 200 |
| ADVANCED DIRECTIVES | 147 |
| AGE | 79 |
| AGE UNITS | 80 |
| AIRBAG DEPLOYMENT | 130 |
| ALCOHOL/DRUG USE INDICATORS | 149 |
| ANY RETURN OF SPONTANEOUS CIRCULATION | 138 |
| AREA OF THE VEHICLE IMPACTED BY THE COLLISION | 126 |
| ARREST WITNESSED BY | 136 |
| ARRIVED AT PATIENT DATE/TIME | 59 |
| BACK CERVICAL ASSESSMENT | 203 |
| BACK LUMBAR/SACRAL ASSESSMENT | 205 |
| BARRIERS TO PATIENT CAR | 144 |
| BEGINNING ODOMETER READING OF RESPONDING VEHICLE | 42 |
| BLOOD GLUCOSE LEVEL | 167 |
| BROSELOW/LUTEN COLOR | 192 |
| CARBON DIOXIDE | 166 |
| CARDIAC ARREST | 133 |
| CARDIAC ARREST ETIOLOGY | 134 |
| CARDIAC RHYTHM | 156 |
| CARDIAC RHYTHM ON ARRIVAL AT DESTINATION | 142 |
| CAUSE OF INJURY | 122 |
| CHEST/LUNGS ASSESSMENT | 196 |
| CHIEF COMPLAINT | 109 |
| CHIEF COMPLAINT ANATOMIC LOCATION | 115 |
| CHIEF COMPLAINT ORGAN SYSTEM | 116 |
| CK THORACIC ASSESSMENT | 204 |
| CMS SERVICE LEVEL | 88 |
| COMMON NULL VALUES | 25 |
| COMPLAINT REPORTED BY DISPATCH | 47 |
| CONDITION CODE MODIFIER | 91 |
| CONDITION CODE NUMBER | 89 |
| CONDITION OF PATIENT AT DESTINATION | 251 |
| CREW MEMBER ID | 51 |
| CREW MEMBER LEVEL | 53 |
| CREW MEMBER ROLE | 52 |
| DATE OF BIRTH | 81 |
| DATE/TIME MEDICATION ADMINISTERED | 217 |
| DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY | 228 |
| DATE/TIME RESUSCITATION DISCONTINUED | 140 |
| DATE/TIME VITAL SIGNS TAKEN | 154 |
| DBP (DIASTOLIC BLOOD PRESSURE) | 158 |
| DESTINATION CITY | 245 |
| DESTINATION CONFIRMATION OF TUBE PLACEMENT | 240 |

| | |
|---|-----|
| DESTINATION COUNTY..... | 247 |
| DESTINATION MEDICAL RECORD NUMBER..... | 146 |
| DESTINATION STATE..... | 246 |
| DESTINATION STREET ADDRESS..... | 244 |
| DESTINATION ZIP CODE..... | 248 |
| DESTINATION/TRANSFERRED TO, CODE..... | 243 |
| DESTINATION/TRANSFERRED TO, NAME..... | 242 |
| DURATION OF CHIEF COMPLAINT..... | 110 |
| EASON CPR DISCONTINUED..... | 141 |
| ELECTRONIC MONITOR RATE..... | 161 |
| EMD CARD NUMBER..... | 49 |
| EMD PERFORMED..... | 48 |
| EMERGENCY DEPARTMENT DISPOSITION..... | 256 |
| EMS AGENCY NUMBER..... | 32 |
| EMS UNIT CALL SIGN (RADIO NUMBER)..... | 41 |
| ESTIMATED BODY WEIGHT..... | 191 |
| ESTIMATED DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE..... | 94 |
| ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL..... | 139 |
| ETHNICITY..... | 78 |
| EXTREMITIES-LEFT LOWER ASSESSMENT..... | 209 |
| EXTREMITIES-LEFT UPPER ASSESSMENT..... | 208 |
| EXTREMITIES-RIGHT LOWER ASSESSMENT..... | 207 |
| EXTREMITIES-RIGHT UPPER ASSESSMENT..... | 206 |
| EYES-LEFT ASSESSMENT..... | 210 |
| EYES-RIGHT ASSESSMENT..... | 211 |
| FIRST MONITORED RHYTHM OF THE PATIENT..... | 137 |
| FIRST NAME..... | 67 |
| GENDER..... | 76 |
| GLASGOW COMA SCORE-QUALIFIER..... | 168 |
| GU ASSESSMENT..... | 202 |
| HEAD/FACE ASSESSMENT..... | 194 |
| HEART ASSESSMENT..... | 197 |
| HEIGHT OF FALL..... | 131 |
| HOSPITAL DISPOSITION..... | 257 |
| INCIDENT ADDRESS..... | 99 |
| INCIDENT CITY..... | 100 |
| INCIDENT COUNTY..... | 101 |
| INCIDENT FACILITY CODE..... | 98 |
| INCIDENT LOCATION TYPE..... | 97 |
| INCIDENT NUMBER..... | 33 |
| INCIDENT STATE..... | 102 |
| INCIDENT ZIP CODE..... | 103 |
| INCIDENT/PATIENT DISPOSITION..... | 249 |
| INTENT OF THE INJURY..... | 123 |
| LAST NAME..... | 66 |
| LAW ENFORCEMENT/CRASH REPORT NUMBER..... | 258 |
| LEVEL OF RESPONSIVENESS..... | 172 |
| MASS CASUALTY INCIDENT..... | 96 |
| MECHANISM OF INJURY..... | 124 |

| | |
|---|-----|
| Medical Command Call Identification Number | 264 |
| MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE | 218 |
| MEDICATION ADMINISTERED ROUTE | 220 |
| MEDICATION AUTHORIZATION..... | 226 |
| MEDICATION COMPLICATION | 224 |
| MEDICATION CREW MEMBER ID | 225 |
| MEDICATION DOSAGE..... | 221 |
| MEDICATION DOSAGE UNITS | 222 |
| MEDICATION GIVEN | 219 |
| MENTAL STATUS ASSESSMENT | 212 |
| METHOD OF BLOOD PRESSURE MEASUREMENT | 159 |
| MIDDLE INITIAL/NAME | 68 |
| <i>Miscellaneous</i> | 267 |
| NECK ASSESSMENT | 195 |
| NEUROLOGICAL ASSESSMENT | 213 |
| NHTSA INJURY MATRIX ABDOMEN..... | 184 |
| NHTSA INJURY MATRIX EXTERNAL/SKIN | 179 |
| NHTSA INJURY MATRIX FACE | 181 |
| NHTSA INJURY MATRIX HEAD | 180 |
| NHTSA INJURY MATRIX LOWER EXTREMITIES | 188 |
| NHTSA INJURY MATRIX NECK | 182 |
| NHTSA INJURY MATRIX PELVIS..... | 187 |
| NHTSA INJURY MATRIX SPINE..... | 185 |
| NHTSA INJURY MATRIX THORAX | 183 |
| NHTSA INJURY MATRIX UNSPECIFIED | 189 |
| NHTSA INJURY MATRIX UPPER EXTREMITIES..... | 186 |
| NUMBER OF PATIENTS AT SCENE | 95 |
| NUMBER OF PROCEDURE ATTEMPTS..... | 232 |
| OBTAINED PRIOR TO THIS UNITS EMS CARE..... | 155 |
| ON-SCENE ODOMETER READING OF RESPONDING VEHICLE | 43 |
| OTHER ASSOCIATED SYMPTOMS..... | 118 |
| OTHER EMS AGENCIES AT SCENE | 93 |
| OUTCOME OF THE PRIOR AID..... | 107 |
| PAIN SCALE | 173 |
| PATIENT ARRIVED AT DESTINATION DATE/TIME | 61 |
| PATIENT CARE REPORT NUMBER | 27 |
| PATIENT DESTINATION ODOMETER READING OF RESPONDING VEHICLE..... | 44 |
| PATIENT'S HOME COUNTRY..... | 74 |
| PATIENT'S OCCUPATION..... | 87 |
| PATIENT'S OCCUPATIONAL INDUSTRY..... | 86 |
| PATIENT'S HOME ADDRESS | 69 |
| PATIENT'S HOME CITY..... | 70 |
| PATIENT'S HOME COUNTY..... | 71 |
| PATIENT'S HOME STATE | 72 |
| PATIENT'S HOME ZIP CODE | 73 |
| PEDIATRIC TRAUMA SCORE | 177 |
| PERSONAL PROTECTIVE EQUIPMENT USED..... | 260 |
| PERSONNEL EXPOSED | 263 |
| POSITION OF PATIENT IN THE SEAT OF THE VEHICLE | 128 |

| | |
|--|-----|
| POSSIBLE INJURY | 108 |
| PREGNANCY | 150 |
| PRESENCE OF EMERGENCY INFORMATION FORM | 148 |
| PRIMARY METHOD OF PAYMENT | 84 |
| PRIMARY OR HOME TELEPHONE NUMBER | 82 |
| PRIMARY ROLE OF THE UNIT | 35 |
| PRIMARY SYMPTOM | 117 |
| PRIOR AID | 105 |
| PRIOR AID PERFORMED BY | 106 |
| PROCEDURE | 230 |
| PROCEDURE AUTHORIZATION | 237 |
| PROCEDURE COMPLICATION | 234 |
| PROCEDURE CREW MEMBERS ID | 236 |
| PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE | 229 |
| PROCEDURE SUCCESSFUL | 233 |
| PROTOCOLS USED | 215 |
| PROVIDER'S SECONDARY IMPRESSION | 120 |
| PROVIDERS PRIMARY IMPRESSION | 119 |
| PSAP CALL DATE/TIME | 55 |
| PULSE OXIMETRY | 162 |
| PULSE RATE | 160 |
| PULSE RHYTHM | 163 |
| RACE | 77 |
| REASON FOR CHOOSING DESTINATION | 252 |
| RESEARCH SURVEY FIELD TITLE | 266 |
| RESPIRATORY EFFORT | 165 |
| RESPIRATORY RATE | 164 |
| RESPONSE MODE TO SCENE | 45 |
| RESPONSE TO MEDICATION | 223 |
| RESPONSE TO PROCEDURE | 235 |
| RESUSCITATION ATTEMPTED | 135 |
| REVISED TRAUMA SCORE | 176 |
| RUN REPORT NARRATIVE | 152 |
| SBP (SYSTOLIC BLOOD PRESSURE) | 157 |
| SEAT ROW LOCATION OF PATIENT IN VEHICLE | 127 |
| SECONDARY COMPLAINT NARRATIVE | 112 |
| SENDING FACILITY MEDICAL RECORD NUMBER | 145 |
| SIZE OF PROCEDURE EQUIPMENT | 231 |
| SKIN ASSESSMENT | 193 |
| SOCIAL SECURITY NUMBER | 75 |
| SOFTWARE CREATOR | 28 |
| SOFTWARE NAME | 29 |
| SOFTWARE VERSION | 30 |
| STROKE SCALE | 174 |
| SUCCESSFUL IV SITE | 238 |
| SUSPECTED CONTACT WITH BLOOD/BODY FLUIDS OF EMS INJURY OR DEATH | 262 |
| SUSPECTED INTENTIONAL, OR UNINTENTIONAL DISASTER | 261 |
| TEMPERATURE | 170 |
| TEMPERATURE METHOD | 171 |

THROMBOLYTIC SCREEN 175

TIME UNITS OF DURATION OF CHIEF COMPLAINT 111

TIME UNITS OF DURATION OF SECONDARY COMPLAINT 114

TOTAL GLASGOW COMA SCORE..... 169

TRANSPORT MODE FROM SCENE..... 250

TUBE CONFIRMATION..... 239

TYPE OF DESTINATION..... 253

TYPE OF DISPATCH DELAY 36

TYPE OF RESPONSE DELAY 37

TYPE OF SCENE DELAY..... 38

TYPE OF SERVICE REQUESTED 34

TYPE OF TRANSPORT DELAY 39

TYPE OF TURN-AROUND DELAY 40

UNIT ARRIVED ON SCENE DATE/TIME 58

UNIT BACK AT HOME LOCATION DATE/TIME 64

UNIT BACK IN SERVICE DATE/TIME 62

UNIT CANCELLED DATE/TIME..... 63

UNIT EN ROUTE DATE/TIME..... 57

UNIT LEFT SCENE DATE/TIME 60

UNIT NOTIFIED BY DISPATCH DATE/TIME 56

URATION OF SECONDARY COMPLAINT 113

USE OF OCCUPANT SAFETY EQUIPMENT 129

VEHICULAR INJURY INDICATORS..... 125

WHO GENERATED THIS REPORT 265

WORK-RELATED..... 85