

National  
Emergency  
Medical  
Services  
Information  
System



# NEMESIS

**NHTSA Version 2.2**

**Data Dictionary**

**(Nebraska Minimum Data Set)**

**[WWW.NEMESIS.ORG](http://WWW.NEMESIS.ORG)**

**2005.12**

# Introduction

The EMS data set is a subset of the information required to describe a complete EMS event. The complete and accurate documentation of clinical care is important to the EMS system, EMS personnel, and the patient. The information collected by the EMS providers is valuable for public health officials to identify the risk factors that result in disease and injuries. Once the risk factors are identified prevention and control strategies are developed to enhance the lives of Nebraskans.

Why is it necessary to have a “Nebraska Data Dictionary”? There are over 400 emergency medical services in Nebraska. Various methods and systems for EMS data collection are used by these services. In order to make Nebraska’s EMS patient care data accurate and comparable, including the ability to evaluate and improve the performance of EMS it is crucial to determine a uniform minimum data set. Sufficient detail about each data element must also be included to justify its inclusion in the minimum data set.

Nebraska EMS and Trauma Rules and Regulations provide the bases for the Nebraska data elements contained in the Nebraska data dictionary. The entire dictionary will be known as Nebraska’s EMS Data Set. The NEMSIS (National Emergency Medical Services Information System) data element definitions are used to give definition to the data elements contained in the Nebraska EMS Data Set. By using the NEMSIS data definitions Nebraska will be consistent with the Nation.

The EMS Program recognizes that the lists that are included in this dictionary are not perfect; however they provide a starting point for EMS data to evolve.

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# *Common EMS Values*

# COMMON NULL VALUES

E00

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

## Definition

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

## Field Values

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

-20 Not Recorded  
-10 Not Known

## Additional Information

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

# *Record Information*

# PATIENT CARE REPORT NUMBER

E01\_01

**Data Format** [text]

*National Element*

## Definition

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

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

**XSD Domain (Simple Type)** *PatientCareReportNumber*

**Multiple Entry Configuration** No

**Accepts Null** 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

## State Regulations

- Nebraska Trauma Regulation 4.A

# *Unit/ Agency Information*

# EMS AGENCY NUMBER

E02\_01

Data Format [text]

*National Element*

## Definition

The state-assigned provider number of the responding agency

XSD Data Type *xs:string*

XSD Domain (Simple Type) *EMSAgencyNumber*

Multiple Entry Configuration No

Accepts Null 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

## State Regulations

- Nebraska Trauma Regulation 4.A

# INCIDENT NUMBER

E02\_02

**Data Format** [text]

## Definition

The incident number assigned by the 911 Dispatch System

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

**XSD Domain (Simple Type)** *IncidentNumber*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 15

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Uses

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

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 21 Incident Number

## References to Other Databases

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

## State Regulations

- Nebraska Trauma Regulation 4.A

# PRIMARY ROLE OF THE UNIT

E02\_05

**Data Format** [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** No

**Required in XSD** Yes

## Field Values

**60** Non-Transport

**65** Rescue

**70** Supervisor

**75** Transport

## Uses

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

## Data Collector

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

## Other Associated Elements

**E01\_01** Patient Care Report Number

# TYPE OF DISPATCH DELAY

E02\_06

**Data Format** [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** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

80 Caller (Uncooperative)

90 Language Barrier

100 No Units Available

110 Other

120 Technical Failure (Computer, Phone etc.)

-15 Not Reporting

-5 Not Available

85 High Call Volume

95 Location (Inability to Obtain)

105 None

115 Scene Safety (Not Secure for EMS)

## 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

## State Regulations

- Nebraska EMS Regulation 21

# TYPE OF RESPONSE DELAY

E02\_07

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

*National Element*

## Definition

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

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

**XSD Domain (Simple Type)** *TypeOfResponseDelay*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

125 Crowd

135 Distance

145 HazMat

155 Other

165 Staff Delay

175 Vehicle Crash

185 Weather

-15 Not Reporting

-5 Not Available

130 Directions

140 Diversion

150 None

160 Safety

170 Traffic

180 Vehicle Failure

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

## State Regulations

- Nebraska EMS Regulation 21

# TYPE OF SCENE DELAY

E02\_08

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

*National Element*

## Definition

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

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

**XSD Domain (Simple Type)** *TypeOfSceneDelay*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

190 Crowd

200 Distance

210 Extrication >20 min.

220 Language Barrier

230 Other

240 Staff Delay

250 Vehicle Crash

260 Weather

-15 Not Reporting

-5 Not Available

195 Directions

205 Diversion

215 HazMat

225 None

235 Safety

245 Traffic

255 Vehicle Failure

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

## State Regulations

- Nebraska EMS Regulation 21

# TYPE OF TRANSPORT DELAY

E02\_09

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

*National Element*

## Definition

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

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

**XSD Domain (Simple Type)** *TypeOfTransportDelay*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

**-25** Not Applicable

**-10** Not Known

**265** Crowd

**275** Distance

**285** HazMat

**295** Other

**305** Staff Delay

**315** Vehicle Crash

**325** Weather

**-15** Not Reporting

**-5** Not Available

**270** Directions

**280** Diversion

**290** None

**300** Safety

**310** Traffic

**320** Vehicle Failure

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

## State Regulations

- Nebraska EMS Regulation 21

# *Unit/ Personnel Information*

# CREW MEMBER ID

E04\_01

Data Format [text]

## Definition

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

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

**XSD Domain (Simple Type)** *CrewMemberID*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** 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

-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

## State Regulations

- Nebraska EMS Regulation 12

# CREW MEMBER ROLE

E04\_02

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

## Definition

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

- Driver is defined as the driver during the time of patient transport or during the response if there was not transport required.
- Primary Patient Care Giver is defined as the individual responsible for the patient care during the transport of the patient, or

if no

transport, the individual responsible for the assessment and treatment of the patient on scene.

- Secondary Patient Care Giver is defined as the individual assisting the Primary Patient Care Giver.
- Third Patient Care Giver is defined as the individual assisting in the Primary and Secondary Patient Care Givers.

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

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

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E04_01</b> Crew Member ID	<b>E04_03</b> Crew Member Level

# CREW MEMBER LEVEL

E04\_03

**Data Format** [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** 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	-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

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E04_01</b> Crew Member ID	<b>E04_02</b> Crew Member Role

## References in NHTSA Version 1

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

## References to Other Databases

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

# *Times*

# INCIDENT OR ONSET DATE/TIME

E05\_01

**Data Format** [date/time]

## Definition

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

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1990

**Maximum Constraint** 2030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

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

## Uses

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

## Data Collector

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

## Other Associated Elements

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 06 Onset Date

Desirable Element 07 Onset Time

## References to Other Databases

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

## State Regulations

- Nebraska Trauma Regulation 3.A & B

# UNIT NOTIFIED BY DISPATCH DATE/TIME

E05\_04

Data Format [date/time]

*National Element*

## Definition

The date the responding unit was notified by dispatch

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

Accepts Null No

Required in XSD Yes

Minimum Constraint 1990

Maximum Constraint 2030

## 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

## State Regulations

- Nebraska EMS Regulation 3
- Nebraska Trauma Regulation 4.C

# UNIT EN ROUTE DATE/TIME

E05\_05

**Data Format** [date/time]

*National Element*

## Definition

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

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1990

**Maximum Constraint** 2030

## 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

## State Regulations

- Nebraska EMS Regulation 4

# UNIT ARRIVED ON SCENE DATE/TIME

E05\_06

**Data Format** [date/time]

*National Element*

## Definition

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

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1990

**Maximum Constraint** 2030

## 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

## State Regulations

- Nebraska EMS Regulation 5
- Nebraska Trauma Regulation 4.D

# UNIT LEFT SCENE DATE/TIME

E05\_09

**Data Format** [date/time]

*National Element*

## Definition

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

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1990

**Maximum Constraint** 2030

## 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

## State Regulations

- Nebraska EMS Regulation 15
- Nebraska Trauma Regulation 4.E.1

# PATIENT ARRIVED AT DESTINATION DATE/TIME

E05\_10

**Data Format** [date/time]

*National Element*

## Definition

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

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1990

**Maximum Constraint** 2030

## 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

## State Regulations

- Nebraska EMS Regulation 16
- Nebraska Trauma Regulation 4.E.2

# UNIT BACK IN SERVICE DATE/TIME

E05\_11

**Data Format** [date/time]

*National Element*

## Definition

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

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 1990 **Maximum Constraint** 2030

## 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

## State Regulations

- Nebraska EMS Regulation 17

# *Patient*

# LAST NAME

E06\_01

Data Format [text]

## Definition

The patient's last (family) name

XSD Data Type *xs:string*

XSD Domain (Simple Type) *LastName*

Multiple Entry Configuration No

Accepts Null 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

-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

## State Regulations

- Nebraska EMS Regulation 1
- Nebraska Trauma Regulation 1.A

# FIRST NAME

E06\_02

Data Format [text]

## Definition

The patient's first (given) name

XSD Data Type *xs:string*

XSD Domain (Simple Type) *FirstName*

Multiple Entry Configuration No

Accepts Null 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

-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

## State Regulations

- Nebraska EMS Regulation 1
- Nebraska Trauma Regulation 1.A

# MIDDLE INITIAL/NAME

E06\_03

Data Format [text]

## Definition

The patient's middle name, if any

XSD Data Type *xs:string*

XSD Domain (Simple Type) *MiddleInitialName*

Multiple Entry Configuration No

Accepts Null 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

-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

## State Regulations

- Nebraska EMS Regulation 1
- Nebraska Trauma Regulation 1.A

# GENDER

E06\_11

**Data Format** [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**

Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

650 Male

655 Female

## Uses

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

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

## References in NHTSA Version 1

Essential Element 42 Gender

## References to Other Databases

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

## State Regulations

- Nebraska EMS Regulation 1
- Nebraska Trauma Regulation 1.C

# RACE

E06\_12

Data Format [combo] single-choice

*National Element*

## Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Race*

Multiple Entry Configuration No

Accepts Null

Yes

Required in XSD Yes

## Field Values

-25 Not Applicable

-10 Not Known

660 American Indian or Alaska Native

670 Black or African American

680 White

-15 Not Reporting

-5 Not Available

665 Asian

675 Native Hawaiian or Other Pacific Islander

685 Other Race

## Uses

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

## Data Collector

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

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

## References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

## References to Other Databases

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

## State Regulations

- Nebraska EMS Regulation 18
- Nebraska Trauma Regulation 1.D

# ETHNICITY

E06\_13

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

*National Element*

## Definition

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

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

**XSD Domain (Simple Type)** *Ethnicity*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

**-25** Not Applicable

**-15** Not Reporting

**-10** Not Known

**-5** Not Available

**690** Hispanic or Latino

**695** Not Hispanic or Latino

## Uses

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

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**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

## State Regulations

- Nebraska EMS Regulation 18

# AGE

E06\_14

**Data Format** [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**

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.

## State Regulations

- Nebraska EMS Regulation 1
- Nebraska Trauma Regulation 1.E

# AGE UNITS

E06\_15

**Data Format** [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** Yes

**Required in XSD** Yes

XSD Structure: E06\_14 and E06\_15 are members of the E06\_14\_0 Patient's Age Structure

## Field Values

**-25** Not Applicable

**-15** Not Reporting

**-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

## State Regulations

- Nebraska EMS Regulation 1
- Nebraska Trauma Regulation 1.E

# *Scene*

# INCIDENT LOCATION TYPE

E08\_07

**Data Format** [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** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-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

## State Regulations

- Nebraska EMS Regulation 14
- Nebraska Trauma Regulation 3.F

# INCIDENT ADDRESS

E08\_11

**Data Format** [text]

## Definition

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

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

**XSD Domain (Simple Type)** *StreetAddress*

**Multiple Entry Configuration** No

**Accepts Null** 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

-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

## State Regulations

- Nebraska EMS Regulation 2

**Data Format** [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** 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

-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

## State Regulations

- Nebraska EMS Regulation 2

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

## Definition

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

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

**XSD Domain (Simple Type)** *County*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 5

## Field Values

-25 Not Applicable

-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

## State Regulations

- Nebraska EMS Regulation 2

# INCIDENT STATE

E08\_14

**Data Format** [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** 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

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- 2 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\_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

## State Regulations

- Nebraska EMS Regulation 2

# INCIDENT ZIP CODE

E08\_15

Data Format [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 Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 10

XSD Structure: E08\_11, E08\_12, E08\_14, E08\_15 are all members of E08\_11\_0 Incident Address Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-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

## State Regulations

- Nebraska EMS Regulation 2
- Nebraska Trauma Regulation 3.C

# *Situation*

# CHIEF COMPLAINT

E09\_05

**Data Format** [text]

## Definition

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

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

**XSD Domain (Simple Type)** *ChiefComplaintNarrative*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 50

## Field Values

-25 Not Applicable

-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 EMS patient's chief complaint
- Important for an EMS Medical Record

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 48 Chief Complaint

## State Regulations

- Nebraska EMS Regulation 6

# DURATION OF CHIEF COMPLAINT

E09\_06

**Data Format** [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** 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

## State Regulations

- Nebraska EMS Regulation 6

# TIME UNITS OF DURATION OF CHIEF COMPLAINT

E09\_07

**Data Format** [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** 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

## State Regulations

- Nebraska EMS Regulation 6

# SECONDARY COMPLAINT NARRATIVE

E09\_08

**Data Format** [text]

## Definition

The narrative of the patient's secondary complaint

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

**XSD Domain (Simple Type)** *SecondaryComplaintNarrative*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 50

## Field Values

-25 Not Applicable

-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

## State Regulations

- Nebraska EMS Regulation 6

# DURATION OF SECONDARY COMPLAINT

E09\_09

**Data Format** [number]

## Definition

The duration of the secondary complaint

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

## State Regulations

- Nebraska EMS Regulation 6

# PRIMARY SYMPTOM

E09\_13

Data Format [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 Yes

Required in XSD Yes

## Field Values

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

## Additional Information

- Possible Injury (E09\_04), Chief Complaint Anatomic Location (E09\_11), Chief Complaint Organ System (E09\_12), and Primary Symptom (E09\_13) are required to calculate the Reason for Encounter

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

## State Regulations

- Nebraska EMS Regulation 6

# OTHER ASSOCIATED SYMPTOMS

E09\_14

**Data Format** [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**

Yes

**Required in XSD** Yes

## Field Values

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

## Additional Information

- 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

## State Regulations

- Nebraska EMS Regulation 6

# *Situation/ Trauma*

# CAUSE OF INJURY

E10\_01

**Data Format** [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**

Yes

**Required in XSD** Yes

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
9500	Aircraft related accident (E84X.0)	9505	Bicycle Accident (E826.0)
9510	Bites (E906.0)	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, Drowning = 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

## State Regulations

- Nebraska Trauma Regulation 3.E

# MECHANISM OF INJURY

E10\_03

**Data Format** [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** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

2035 Blunt

2040 Burn

2045 Other

2050 Penetrating

## Additional Information

- Complete only if Possible Injury (E09\_04) is "Yes"

## Uses

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

## State Regulations

- Nebraska Trauma Regulation 3.E

# USE OF OCCUPANT SAFETY EQUIPMENT

E10\_08

**Data Format** [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**

Yes

**Required in XSD** No

## Field Values

**-25** Not Applicable

**-5** Not Available

**2175** Eye Protection

**2185** Lap Belt

**2190** Other

**2200** Protective Clothing

**2210** Shoulder Belt

**-10** Not Known

**2170** Child Restraint

**2180** Helmet Worn

**2187** None

**2195** Personal Floatation Device

**2205** Protective Non-Clothing Gear

## Additional Information

- Complete only if Possible Injury (E09\_04) is "Yes"

## Uses

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

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 55 Safety Equipment

## References to Other Databases

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

## State Regulations

- Nebraska Trauma Regulation 3.G

# AIRBAG DEPLOYMENT

E10\_09

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

## Definition

Indication of Airbag deployment during the motor vehicle crash.

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

**XSD Domain (Simple Type)** *AirbagDeployment*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

**-25** Not Applicable

**-5** Not Available

**2220** No Airbag Deployed

**2230** Airbag Deployed Side

**-10** Not Known

**2215** No Airbag Present

**2225** Airbag Deployed Front

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

## Additional Information

- Complete only if Possible Injury (E09\_04) is "Yes"

## Uses

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

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 55 Safety Equipment

## References to Other Databases

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

## State Regulations

- Nebraska Trauma Regulation 3.G

# *Situation/ CPR*

# DATE/TIME RESUSCITATION DISCONTINUED

E11\_09

**Data Format** [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**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1990

**Maximum Constraint** 2030

## 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

## State Regulations

- Nebraska EMS Regulation 22

# *Medical History*

# BARRIERS TO PATIENT CARE

E12\_01

**Data Format** [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** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable	-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

## State Regulations

- Nebraska EMS Regulation 21

# MEDICATION ALLERGIES

E12\_08

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

## Definition

The patient's medication allergies

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

**XSD Domain (Simple Type)** *MedicationAllergies*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

- NKDA (No Known Drug Allergies)

## Additional Information

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

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

# ENVIRONMENTAL/FOOD ALLERGIES

E12\_09

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

## Definition

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

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

**XSD Domain (Simple Type)** *EnvironmentalFoodAllergies*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

2675 Insect Sting

2680 Food Allergy

2685 Latex

2690 Chemical

2695 Other

2700 None

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

## State Regulations

- Nebraska EMS Regulation 8

# MEDICAL/SURGICAL HISTORY

E12\_10

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

## Definition

The patient's pre-existing medical and surgery history of the patient

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

**XSD Domain (Simple Type)** *MedicalSurgicalHistory*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- A Medical/Surgical History list should be created to serve as a listbox which can contain any ICD-9 coded diagnosis or procedure
- The field should store the values of the ICD-9 codes since CMS has not adopted ICD-10 level codes at the time of this document

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

## References in NHTSA Version 1

Essential Element 51 Pre-Existing Condition

## State Regulations

- Nebraska EMS Regulation 8

# MEDICAL HISTORY OBTAINED FROM

E12\_11

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

## Definition

Type of person medical history obtained from

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

**XSD Domain (Simple Type)** *MedicalHistoryObtainedFrom*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

2705 Bystander/Other

2710 Family

2715 Health Care Personnel

2720 None

2725 Patient

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

# IMMUNIZATION HISTORY

E12\_12

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

## Definition

The type of immunization the patient has received.

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

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

**Required in XSD** No

XSD Structure: E12\_12 and E12\_13 are members of E12\_12\_0 Immunization History Structure

## Field Values

<b>2730</b> Anthrax	<b>2735</b> DPT (Diphtheria, Tetanus, Pertussis)
<b>2740</b> Hemophilus Influenza B	<b>2745</b> Hepatitis A
<b>2750</b> Hepatitis B	<b>2755</b> Influenza (Flu)
<b>2760</b> MMR (Measles, Mumps, Rubella)	<b>2765</b> Polio = 8, Pneumococcal (pneumonia)
<b>2770</b> Small Pox	<b>2775</b> Tetanus
<b>2780</b> Varicella	

## Uses

- Part of the Medical History of the patient and could be important in a Bioterrorism event

## Data Collector

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

## Other Associated Elements

<b>E01_01</b> Patient Care Report Number	<b>E06_01</b> Last Name
<b>E12_13</b> Immunization Date	

## State Regulations

- Nebraska EMS Regulation 8

# IMMUNIZATION DATE

E12\_13

**Data Format** [text]

## Definition

The date of the associated immunization type.

**XSD Data Type** *xs:date*

**XSD Domain (Simple Type)** *ImmunizationDate*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 1890

**Maximum Constraint** 2030

XSD Structure: E12\_12 and E12\_13 are members of E12\_12\_0 Immunization History Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be configured with a list box of years formatted as YYYY
- Format [YYYY]

## Uses

- Part of the Medical History of the patient and could be important in a Bioterrorism event

## Data Collector

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

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E12\_12** Immunization History

## State Regulations

- Nebraska EMS Regulation 8

# CURRENT MEDICATIONS

E12\_14

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

## Definition

The medications the patient currently takes

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

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

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

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

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

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E12\_15** Current Medication Dose

**E12\_16** Current Medication Dosage Unit

**E12\_17** Current Medication Administration Route

## State Regulations

- Nebraska EMS Regulation 8

# CURRENT MEDICATION DOSE

E12\_15

**Data Format** [number]

## Definition

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

**XSD Data Type** *xs:decimal*      **XSD Domain (Simple Type)** *CurrentMedicationDose*

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

**Required in XSD** No      **Minimum Constraint** 0      **Maximum Constraint** 999999.99

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E12\_14** Current Medications

**E12\_16** Current Medication Dosage Unit

**E12\_17** Current Medication Administration Route

## State Regulations

- Nebraska EMS Regulation 8

# CURRENT MEDICATION DOSAGE UNIT

E12\_16

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

## Definition

The dosage unit of the patient's current medication

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

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

**Required in XSD** No

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

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

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

<b>E01_01</b> Patient Care Report Number	<b>E12_14</b> Current Medications
<b>E12_15</b> Current Medication Dose	<b>E12_17</b> Current Medication Administration Route

## References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

## State Regulations

- Nebraska EMS Regulation 8

# CURRENT MEDICATION ADMINISTRATION ROUTE

E12\_17

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

## Definition

The administration route (po, SQ, etc.) of the patients current medication

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

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

**Required in XSD** No

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2865	Endotracheal tube
2870	Gastrostomy	2875	Inhalation
2880	Intramuscular	2890	Intraocular
2895	Intravenous	2900	Nasal
2905	Nasal prongs	2910	Nasogastric
2915	Ophthalmic	2920	Oral
2925	Other/miscellaneous	2930	Otic
2935	Non Re-breather mask	2940	Rectal
2945	Subcutaneous	2950	Sublingual
2955	Topical	2960	Tracheostomy
2965	Transdermal	2970	Urethral
2975	Ventimask	2980	Wound

## Uses

- Part of an EMS Medical Record

## Data Collector

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

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E12_14</b>	Current Medications	<b>E12_15</b>	Current Medication Dose
<b>E12_16</b>	Current Medication Dosage Unit		

## 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

## State Regulations

- Nebraska EMS Regulation 8

# PREGNANCY

E12\_20

**Data Format** [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** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-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

## State Regulations

- Nebraska EMS Regulation 8

# *Assessment/ Vital Signs*

# DATE/TIME VITAL SIGNS TAKEN

E14\_01

**Data Format** [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**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1990

**Maximum Constraint** 2030

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

## State Regulations

- Nebraska EMS Regulation 7

# OBTAINED PRIOR TO THIS UNITS EMS CARE

E14\_02

**Data Format** [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** Yes

**Required in XSD** No

XSD Structure: Each element is section E14 is associated with a E14\_01 Date/Time

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

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

## State Regulations

- Nebraska EMS Regulation 13

# SBP (SYSTOLIC BLOOD PRESSURE)

E14\_04

**Data Format** [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**

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

## State Regulations

- Nebraska EMS Regulation 7
- Nebraska Trauma Regulation 4.F.1

# DBP (DIASTOLIC BLOOD PRESSURE)

E14\_05

**Data Format** [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**

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

## State Regulations

- Nebraska EMS Regulation 7
- Nebraska Trauma Regulation 4.F.1

# METHOD OF BLOOD PRESSURE MEASUREMENT

E14\_06

**Data Format** [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** No

**Required in XSD** No

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_04, E14\_05, and E14\_06 are all members of E14\_04\_0 Blood Pressure Structure

## Field Values

**3150** Arterial Line

**3160** Manual Cuff

**3170** Venous Line

**3155** Automated Cuff

**3165** Palpated Cuff

## Uses

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

## Data Collector

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

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_04** SBP (Systolic Blood Pressure)

**E14\_01** Date/Time Vital Signs Taken

**E14\_05** DBP (Diastolic Blood Pressure)

## State Regulations

- Nebraska EMS Regulation 7

# PULSE RATE

E14\_07

**Data Format** [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**

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

## State Regulations

- Nebraska EMS Regulation 7
- Nebraska Trauma Regulation 4.F.2

# PULSE RHYTHM

E14\_10

**Data Format** [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** 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

-5 Not Available

3180 Irregular

-10 Not Known

3175 Regular

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

## State Regulations

- Nebraska EMS Regulation 7

# RESPIRATORY RATE

E14\_11

**Data Format** [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** 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

## State Regulations

- Nebraska EMS Regulation 7
- Nebraska Trauma Regulation 4.F.3

# RESPIRATORY EFFORT

E14\_12

**Data Format** [text]

## Definition

The patient's respiratory effort

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

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

<b>-25</b> Not Applicable	<b>-10</b> Not Known
<b>-5</b> Not Available	<b>3185</b> Normal
<b>3190</b> Labored	<b>3195</b> Fatigued
<b>3200</b> Absent	<b>3205</b> 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

## State Regulations

- Nebraska EMS Regulation 7

**Data Format** [number]

## Definition

The patient's Glasgow Coma Score Eye opening

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

**XSD Domain (Simple Type)** GCSEye

**Multiple Entry Configuration** Yes, via structure

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 4

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18

are all members of E14\_15\_0 GCS Score Structure

## Field Values

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

## Additional Information

- Can be configured as a single choice list box

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_16** Glasgow Coma Score-Verbal

**E14\_17** Glasgow Coma Score-Motor

**E14\_18** Glasgow Coma Score-Qualifier

**E14\_19** Total Glasgow Coma Score

## References in NHTSA Version 1

Essential Element 73 Glasgow Eye Opening Component

## State Regulations

- Nebraska EMS Regulation 23
- Nebraska Trauma Regulation 4.F.4

# GLASGOW COMA SCORE-VERBAL

E14\_16

Data Format [number]

## Definition

The patient's Glasgow Coma Score Verbal

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *GCSVerbal*

Multiple Entry Configuration Yes, via structure

Accepts Null

Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 1

Maximum Constraint 5

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18

are all members of E14\_15\_0 GCS Score Structure

## Field Values

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

## Additional Information

- Can be configured as a single choice list box

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

E14\_01 Date/Time Vital Signs Taken

E14\_15 Glasgow Coma Score-Eye

E14\_17 Glasgow Coma Score-Motor

E14\_18 Glasgow Coma Score-Qualifier

E14\_19 Total Glasgow Coma Score

## References in NHTSA Version 1

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

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

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

## State Regulations

- Nebraska EMS Regulation 23
- Nebraska Trauma Regulation 4.F.4

# GLASGOW COMA SCORE-MOTOR

E14\_17

Data Format [number]

## Definition

The patient's Glasgow Coma Score Motor

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *GCSMotor*

Multiple Entry Configuration Yes, via structure

Accepts Null Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 1

Maximum Constraint 6

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18

are all members of E14\_15\_0 GCS Score Structure

## Field Values

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

## Additional Information

- Can be configured as a single choice list box

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

E14\_01 Date/Time Vital Signs Taken

E14\_15 Glasgow Coma Score-Eye

E14\_16 Glasgow Coma Score-Verbal

E14\_18 Glasgow Coma Score-Qualifier

E14\_19 Total Glasgow Coma Score

## References in NHTSA Version 1

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

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

## State Regulations

- Nebraska EMS Regulation 23
- Nebraska Trauma Regulation 4.F.4

# GLASGOW COMA SCORE-QUALIFIER

E14\_18

**Data Format** [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** 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

-5 Not Available

such

-10 Not Known

3210 Initial GCS has legitimate values without interventions

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

## State Regulations

- Nebraska EMS Regulation 23
- Nebraska Trauma Regulation 4.F.4

# TOTAL GLASGOW COMA SCORE

E14\_19

**Data Format** [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**

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)

## State Regulation

- Nebraska EMS Regulation 23
- Nebraska Trauma Regulation 4.F.4

# REVISED TRAUMA SCORE

E14\_27

**Data Format** [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**

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

## State Regulation

- Nebraska EMS Regulation 24
- Nebraska Trauma Regulation 4.F.5

# PEDIATRIC TRAUMA SCORE

E14\_28

**Data Format** [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**

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

## State Regulation

- Nebraska EMS Regulation 24
- Nebraska Trauma Regulation 4.F.5

# *Intervention/ Medication*

# DATE/TIME MEDICATION ADMINISTERED

E18\_01

**Data Format** [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**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1990

**Maximum Constraint** 2030

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

## State Regulation

- Nebraska EMS Regulation 9, 25, 26

# MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE

E18\_02

**Data Format** [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** Yes

**Required in XSD** No

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

## Field Values

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

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

## State Regulation

- Nebraska EMS Regulation 9, 13

# MEDICATION GIVEN

E18\_03

**Data Format** [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** Yes

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 30

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

## Field Values

-25 Not Applicable

-15 Not Reporting

-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

## State Regulation

- Nebraska EMS Regulation 9, 25, 26

# MEDICATION ADMINISTERED ROUTE

E18\_04

**Data Format** [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** Yes

**Required in XSD** No

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

## Field Values

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

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

## State Regulation

- Nebraska EMS Regulation 9, 25, 26

# MEDICATION DOSAGE

E18\_05

**Data Format** [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** No

**Required in XSD** No      **Minimum Constraint** 0      **Maximum Constraint** 999999.99

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

<b>E01_01</b> Patient Care Report Number	<b>E18_01</b> Date/Time Medication Administered
<b>E18_02</b> Medication Administered Prior to this Units EMS Care	<b>E18_03</b> Medication Given
<b>E18_04</b> Medication Administered Route	<b>E18_06</b> Medication Dosage Units
<b>E18_07</b> Response to Medication	<b>E18_08</b> Medication Complication
<b>E18_09</b> Medication Crew Member ID	<b>E18_10</b> Medication Authorization
<b>E18_11</b> Medication Authorizing Physician	

## State Regulation

- Nebraska EMS Regulation 9, 25, 26

# MEDICATION DOSAGE UNITS

E18\_06

**Data Format** [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** 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

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

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

## References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

## State Regulation

- Nebraska EMS Regulation 9, 25, 26

# RESPONSE TO MEDICATION

E18\_07

**Data Format** [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** Yes

**Required in XSD** No

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

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	4375 Improved
4380 Unchanged	4385 Worse

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

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

## State Regulation

- Nebraska EMS Regulation 9

# MEDICATION CREW MEMBER ID

E18\_09

**Data Format** [text]

## Definition

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

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

**XSD Domain (Simple Type)** *CrewMemberID*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** 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

-5 Not Available

-10 Not Known

- Relevant Value for Data Element & Patient Care

## Additional Information

- Linked to State/Licensure ID Number (D07\_02)
- List box created from the State/Licensure ID Number (D07\_02) which could display the Personnel's Names as associated with D08\_01, D08\_02, and D08\_03 for easy data entry

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E18\_01** Date/Time Medication Administered

**E18\_03** Medication Given

**E18\_05** Medication Dosage

**E18\_07** Response to Medication

**E18\_10** Medication Authorization

**E01\_01** Patient Care Report Number

**E18\_02** Medication Administered Prior to this Units EMS Care

**E18\_04** Medication Administered Route

**E18\_06** Medication Dosage Units

**E18\_08** Medication Complication

**E18\_11** Medication Authorizing Physician

## References in NHTSA Version 1

Essential Element 26 Crew Member One Number

Essential Element 27 Crew Member Two Number

Desirable Element 28 Crew Member Three Number

## State Regulation

- Nebraska EMS Regulation 12

# MEDICATION AUTHORIZATION

E18\_10

**Data Format** [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** Yes

**Required in XSD** No

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

## Field Values

-25 Not Applicable

-5 Not Available

4485 On-Scene

4495 Written Orders (Patient Specific)

-10 Not Known

4480 On-Line

4490 Protocol (Standing Order)

## Additional Information

- Associated with Medication Authorization (E18\_11) if the value is not "Protocol"

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E18\_01** Date/Time Medication Administered

**E18\_03** Medication Given

**E18\_05** Medication Dosage

**E18\_07** Response to Medication

**E18\_09** Medication Crew Member ID

**E18\_11** Medication Authorizing Physician

**E01\_01** Patient Care Report Number

**E18\_02** Medication Administered Prior to this Units  
EMS Care

**E18\_04** Medication Administered Route

**E18\_06** Medication Dosage Units

**E18\_08** Medication Complication

**E18\_11** Medication Authorizing Physician

## References in NHTSA Version 1

Desirable Element 81 Treatment Authorization

## State Regulation

- Nebraska EMS Regulation 9

# *Intervention/ Procedure*

# DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

E19\_01

**Data Format** [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**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1990

**Maximum Constraint** 2030

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

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

## State Regulation

- Nebraska EMS Regulation 9

# PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE

E19\_02

**Data Format** [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** 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

-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

## State Regulation

- Nebraska EMS Regulation 13

**Data Format** [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** Yes  
**Required in XSD** Yes      **Minimum Constraint** 0      **Maximum Constraint** 999.999  
 XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

**Field Values**

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

**Additional Information**

- List created from Procedures (D04\_04)

**Uses**

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

**Data Collector**

- EMS personnel

**Other Associated Elements**

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E19_01</b> Date/Time Procedure Performed Successfully	<b>E19_02</b> Procedure Performed Prior to this Units EMS Care
<b>E19_04</b> Size of Procedure Equipment	<b>E19_05</b> Number of Procedure Attempts
<b>E19_06</b> Procedure Successful	<b>E19_07</b> Procedure Complication
<b>E19_08</b> Response to Procedure	<b>E19_09</b> Procedure Crew Members ID
<b>E19_10</b> Procedure Authorization	<b>E19_11</b> 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

**State Regulation**

- Nebraska EMS Regulation 9
- Nebraska Trauma Regulation 4.F.6

# SIZE OF PROCEDURE EQUIPMENT

E19\_04

**Data Format** [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** 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
- 5 Not Available
- 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

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E19_01</b> Date/Time Procedure Performed Successfully	<b>E19_02</b> Procedure Performed Prior to this Units EMS Care
<b>E19_03</b> Procedure	<b>E19_05</b> Number of Procedure Attempts
<b>E19_06</b> Procedure Successful	<b>E19_07</b> Procedure Complication
<b>E19_08</b> Response to Procedure	<b>E19_09</b> Procedure Crew Members ID
<b>E19_10</b> Procedure Authorization	<b>E19_11</b> Procedure Authorizing Physician

## References in NHTSA Version 1

Essential Element 78 Procedure or Treatment Name

## State Regulation

- Nebraska EMS Regulation 9
- Nebraska Trauma Regulation 4.F.6

# NUMBER OF PROCEDURE ATTEMPTS

E19\_05

Data Format [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 Yes

Required in XSD Yes

Minimum Constraint -25

Maximum Constraint 100

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E19\_01 Date/Time Procedure Performed Successfully

E19\_02 Procedure Performed Prior to this Units EMS Care

E19\_03 Procedure

E19\_04 Size of Procedure Equipment

E19\_06 Procedure Successful

E19\_07 Procedure Complication

E19\_08 Response to Procedure

E19\_09 Procedure Crew Members ID

E19\_10 Procedure Authorization

E19\_11 Procedure Authorizing Physician

## State Regulation

- Nebraska EMS Regulation 9
- Nebraska Trauma Regulation 4.F.6

# PROCEDURE SUCCESSFUL

E19\_06

Data Format [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 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

-10 Not Known

0 No

-15 Not Reporting

-5 Not Available

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

E19\_01 Date/Time Procedure Performed Successfully

E01\_01 Patient Care Report Number

E19\_02 Procedure Performed Prior to this Units EMS Care

E19\_03 Procedure

E19\_05 Number of Procedure Attempts

E19\_08 Response to Procedure

E19\_10 Procedure Authorization

E19\_04 Size of Procedure Equipment

E19\_07 Procedure Complication

E19\_09 Procedure Crew Members ID

E19\_11 Procedure Authorizing Physician

## State Regulation

- Nebraska EMS Regulation 9
- Nebraska Trauma Regulation 4.F.6

# PROCEDURE COMPLICATION

E19\_07

**Data Format** [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      **Accepts Null**      Yes  
for each E14\_01 Date/Time

## Required in XSD Yes

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable	-15 Not Reporting
-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

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

## State Regulation

- Nebraska EMS Regulation 9
- Nebraska Trauma Regulation 4.F.6

# RESPONSE TO PROCEDURE

E19\_08

**Data Format** [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** 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	-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

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E19_01</b> Date/Time Procedure Performed Successfully	<b>E19_02</b> Procedure Performed Prior to this Units EMS Care
<b>E19_03</b> Procedure	<b>E19_04</b> Size of Procedure Equipment
<b>E19_05</b> Number of Procedure Attempts	<b>E19_06</b> Procedure Successful
<b>E19_07</b> Procedure Complication	<b>E19_09</b> Procedure Crew Members ID
<b>E19_10</b> Procedure Authorization	<b>E19_11</b> Procedure Authorizing Physician

## State Regulation

- Nebraska EMS Regulation 9, 10

**Data Format** [text]

## Definition

The statewide assigned ID number of the EMS crew member performing the procedure on the patient

**XSD Data Type** *xs:integer*      **XSD Domain (Simple Type)** *CrewMemberID*  
**Multiple Entry Configuration** Yes, via structure      **Accepts Null** 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
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

## Additional Information

- Linked to State/Licensure ID Number (D07\_02)
- List box created from the State/Licensure ID Number (D07\_02) which could display the Personnel's Names as associated with D08\_01, D08\_02, and D08\_03 for easy data entry

## Uses

- Part of an EMS Medical Record and to document 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

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E19_01</b> Date/Time Procedure Performed Successfully	<b>E19_02</b> Procedure Performed Prior to this Units EMS Care
<b>E19_03</b> Procedure	<b>E19_04</b> Size of Procedure Equipment
<b>E19_05</b> Number of Procedure Attempts	<b>E19_06</b> Procedure Successful
<b>E19_07</b> Procedure Complication	<b>E19_08</b> Response to Procedure
<b>E19_10</b> Procedure Authorization	<b>E19_11</b> 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

## State Regulation

- Nebraska EMS Regulation 12

# SUCCESSFUL IV SITE

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

## Definition

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

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

XSD Structure: Successful IV Site is not related to the documentation of any specific procedure. This data element is to be filled out based on the overall successful IV locations for any specific patient.

## Field Values

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

## Additional Information

- Successful IV Site is not related to the documentation of any specific procedure. This data element is to be filled out based on the overall successful IV locations for any specific patient.

## 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

## State Regulation

- Nebraska EMS Regulation 9

# TUBE CONFIRMATION

E19\_13

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

## Definition

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

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

**XSD Domain (Simple Type)** *TubeConfirmation*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: Tube Confirmation is not related to the documentation of any specific airway procedure but should be filled out if an airway procedure is done on any patient.

## Field Values

-25 Not Applicable

-5 Not Available

4740 Colormetric CO2 Detector Confirmation

4750 Esophageal Bulb Aspiration confirmation

4760 Visualization of the Chest Rising with ventilation

4770 Waveform CO2 Confirmation

-10 Not Known

4735 Auscultation of Bilateral Breath Sounds

4745 Digital CO2 Confirmation

4755 Negative Auscultation of the Epigastrium

4765 Visualization of Tube Passing Through the Cords

## Additional Information

- The Tube Confirmation is not documented with any specific Procedure (E19\_03) but should be completed if an 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

## State Regulation

- Nebraska EMS Regulation 9
- Nebraska Trauma Regulation 4.F.6

# *Disposition*

# DESTINATION/TRANSFERRED TO, NAME

E20\_01

Data Format [text]

## Definition

The destination the patient was delivered or transferred to

XSD Data Type *xs:string*

XSD Domain (Simple Type) *DestinationTransferredToID*

Multiple Entry Configuration No

Accepts Null Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 50

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04\_11) and Other Destinations (D04\_13)

## Uses

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

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E20\_02 Destination/Transferred To, Code

## State Regulation

- Nebraska EMS Regulation 11

# INCIDENT/PATIENT DISPOSITION

E20\_10

**Data Format** [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**

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

## State Regulation

- Nebraska EMS Regulation 20

# REASON FOR CHOOSING DESTINATION

E20\_16

**Data Format** [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** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-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

## State Regulation

- Nebraska EMS Regulation 19
- Nebraska Trauma Regulation 4.B

# TYPE OF DESTINATION

E20\_17

Data Format [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 Yes

Required in XSD Yes

## Field Values

-25 Not Applicable

-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

## State Regulation

- Nebraska EMS Regulation 19
- Nebraska Trauma Regulation 4.B

# *Medical Device Data*

# EVENT DATE/TIME

E21\_01

**Data Format** [date/time]

## Definition

The time of the event recorded by the device's internal clock

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1990

**Maximum Constraint** 2030

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Depending on whether this is a Procedure or a Vital Sign, this can be merged into Date/Time Vital Taken (E14\_01) or Date/Time Procedure Performed Successfully (E19\_01)
- If the date/time is electronically stored within a database or transmitted via XML as a "tick", the referenced variables may also be used
- Multiple entry configuration associated with the entire Medical Device Section (E21) to allow multiple sets of device data to be entered

## Uses

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

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

**E01\_01** Patient Care Report Number

## State Regulation

- Nebraska EMS Regulation 10

# AED, PACING, OR CO2 MODE

E21\_05

**Data Format** [text]

## Definition

The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event)

**XSD Data Type** *xs:integer*      **XSD Domain (Simple Type)** *AEDPacingOrCO2Mode*

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

**Required in XSD** No

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

<b>5210</b> Automated	<b>5215</b> Manual
<b>5220</b> Advisory	<b>5225</b> Demand
<b>5230</b> Sensing	<b>5235</b> Mid-Stream
<b>5240</b> Side-Stream	

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

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

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

<b>E01_01</b> Patient Care Report Number	<b>E21_01</b> Event Date/Time
<b>E21_02</b> Medical Device Event Name	

## State Regulation

- Nebraska EMS Regulation 9

# TYPE OF SHOCK

E21\_08

**Data Format** [text]

## Definition

The energy form used by the device for the defibrillation (if appropriate for the event)

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

**Required in XSD** No

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

**5310** Biphasic

**5311** Monophasic

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

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

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E21\_01** Event Date/Time

**E21\_02** Medical Device Event Name

## State Regulation

- Nebraska EMS Regulation 9

# SHOCK OR PACING ENERGY

E21\_09

**Data Format** [number]

## Definition

The energy used for the shock or pacing event (if appropriate for the event)

**XSD Data Type** *xs:decimal*      **XSD Domain (Simple Type)** *ShockOrPacingEnergy*  
**Multiple Entry Configuration** Yes, via structure      **Accepts Null** No  
**Required in XSD** No      **Minimum Constraint** 1      **Maximum Constraint** 9000  
XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

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

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

**E01\_01** Patient Care Report Number      **E21\_01** Event Date/Time  
**E21\_02** Medical Device Event Name

## State Regulation

- Nebraska EMS Regulation 9

# TOTAL NUMBER OF SHOCKS DELIVERED

E21\_10

**Data Format** [number]

## Definition

The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.

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

**XSD Domain (Simple Type)** *TotalNumberOfShocks*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 100

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

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

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E21\_01** Event Date/Time

**E21\_02** Medical Device Event Name

## State Regulation

- Nebraska EMS Regulation 9

# PACING RATE

E21\_11

**Data Format** [number]

## Definition

The rate the device was calibrated to pace during the event, if appropriate.

**XSD Data Type** *xs:integer*      **XSD Domain (Simple Type)** *PacingRate*  
**Multiple Entry Configuration** Yes, via structure      **Accepts Null** No  
**Required in XSD** No      **Minimum Constraint** 1      **Maximum Constraint** 1000  
XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

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

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

**E01\_01** Patient Care Report Number      **E21\_01** Event Date/Time  
**E21\_02** Medical Device Event Name

## State Regulation

- Nebraska EMS Regulation 9

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**Appendix A: State of Nebraska Regulations: Emergency Medical Services  
(Title 172 NAC 12)**

EFFECTIVE  
October 26, 2003

NEBRASKA HEALTH AND HUMAN SERVICES  
REGULATION AND LICENSURE

172 NAC 12

12-003.04I Records Maintenance Standards: Each emergency medical service must maintain records as outlined below:

1. Emergency medical services must maintain current personnel rosters and personnel files on each out-of-hospital emergency care provider for their service. All records must be maintained until superseded. Each file must include, but not be limited to, the following:
  - a. Name, address, and telephone number;
  - b. Current level of certification; and
  - c. Current cardiopulmonary resuscitation certification.
2. Other current certifications/endorsements as may be required by the physician medical director; and
3. Documentation of each out-of-hospital emergency care providers emergency medical continuing education training, as defined in 172 NAC 11-002, that includes:
  - a. Name of the course taken;
  - b. Date of the course;
  - c. Name of the instructors of the course; and
  - d. Number of hours of training for each course taken.
4. Copies of renewal documentation from the physician medical director or surrogate which verifies personnel competency.

12-003.04J Vehicle Records: Emergency medical services must maintain records of vehicle and equipment maintenance and repair for not less than five years.

12-003.04K Patient Care Records: Emergency medical services must complete a patient care record for each response that the service makes.

12-003.04K1 The following information, as a minimum, must be recorded for each patient transported:

1. The name, age, and sex of the patient(s);
2. The address or location from which the patient(s) is taken;
3. The date of the call;
4. The time of dispatch and the time the ambulance is en route to the call;
5. The time of arrival at the scene;
6. A record of the chief complaint of the patient and/or the signs and symptoms of the patient;
7. A record of the patient(s) vital signs and the times at which these were noted;
8. A brief patient history;
9. A description of the treatment provided and equipment used;
10. A record of the time of each electrotherapy attempt and the results of each administration;
11. The name of the receiving facility or location;
12. The name or code number of the individual providing the primary care for the patient; and
13. A record of any care provided to the patient prior to the arrival of the out of hospital personnel;
14. Location type;
15. Time unit left scene;
16. Time arrival at destination;
17. Time back in service;
18. Race/ethnicity of the patient;
- 19 Destination determination;
20. No patient treatment/no patient transportation;

21. Factors affecting EMS delivery;
22. Time CPR discontinued;
23. Adult/pediatric Glasgow coma scale; and
24. Trauma score.
25. A record of the time, dosage, and route of epi-auto injections and aspirin administered; and
26. A record of the time, rate, type and delivery location of intravenous fluids administered.

12-003.04K2 A record of dry runs, refused transportation, and stand by services must be maintained.

12-003.04K3 The Department must make available a form that will meet the patient record keeping requirements of these regulations.

12-003.04K4 All patient care and run information records must be maintained for not less than five years. Patient medical care and run information must be sent to the Department quarterly, within 30 days after the end of each quarter, for inspection and use for data collection and research. Patient care and run information may be sent either in paper form or by electronic media. This requirement does not supersede any medical or legal requirements for maintenance of patient records.

12-003.04K5 No patient data received or recorded will be divulged, made public or released by an emergency medical service or out-of-hospital emergency care provider, except that the patient data may be released to the receiving health care facility, to the Department for statistical purposes, or to anyone to whom the patient who is the subject of the record has given written authorization.

**Appendix B: State of Nebraska Regulations: Nebraska Statewide Trauma System  
(Title 185 Nebraska Administrative Code)**

EFFECTIVE  
MARCH 10, 2002

NEBRASKA HEALTH AND HUMAN SERVICES  
REGULATION AND LICENSURE

185 NAC 9

The trauma registry concerning every patient who meets the following criteria:

1. Had at least one of the following ICD-9-CM diagnosis codes: Injury codes in the range of 800-959.9, 994.1 (drowning), 994.7 (asphyxiation & strangulation) or 994.8 (electrocution).
2. Had trauma injuries and was admitted to the hospital from the emergency department.
3. Had trauma injuries and was transferred out of the hospital.
4. Had trauma injuries and was admitted directly to the hospital, bypassing the emergency department.
5. Had trauma injuries and died in the emergency department.
6. Had trauma injuries and was dead on arrival in the emergency department.

**9-009** The report must contain the following information:

1. Regarding the patient:
  - a. Name (EMS and Hospital)
  - b. Social security number (Hospital, if available)
  - c. Sex (EMS and Hospital)
  - d. Race (EMS and Hospital)
  - e. Age (EMS and Hospital)
  - f. Date of birth (Hospital)
  - g. Address (Hospital)
  - h. Zip code (Hospital)
2. Insurance category (Hospital)
3. Regarding the injury:
  - a. Date (EMS)
  - b. Time (EMS)
  - c. Zip code (EMS)
  - d. E-Code (Hospital)
  - e. Mechanism of injury (EMS)
  - f. Location category (EMS)
  - g. Safety device (EMS)
4. Regarding out-of-hospital activity:
  - a. EMS run number (EMS)
  - b. Destination determination (EMS)
  - c. Dispatch time (EMS)
  - d. Time of arrival at scene (EMS)
  - e. Transport time:
    1. Time left scene (EMS)
    2. Time arrived at facility (EMS)
  - f. Initial patient data:
    1. Blood pressure (EMS)

2. Pulse
  3. Respiration (EMS)
  4. Glasgow coma score, or Pediatric coma scale (EMS and Hospital)
  5. Trauma score, or Pediatric trauma score (EMS and Hospital)
  6. Airway management (EMS)
5. Regarding the sending hospital:
- a. Name
  - b. Arrival and transfer:
    1. Date
    2. Time
    3. Patient data, as listed in 4f
    4. Temperature
    5. Destination Determination
6. Regarding the sending hospital:
- a. Name
  - b. Arrival and transfer:
    1. Date
    2. Time
    3. Patient data, as listed in 4f
    4. Temperature
  - c. Admitting service
  - d. Drug screen results if performed:
    1. Amphetamines
    2. Barbiturates
    3. Benzodiazepine
    4. Tricyclic
    5. Cocaine
    1. Methamphetamines
    2. PCP
    8. Poly drug
    9. Antidepressants
  - e. Blood alcohol level if performed
  - f. Airway management:
    1. Bag valve mask
    2. Oral intubation
    3. Nasal intubation
    4. Cricothyotomy
    5. Tracheotomy
  - g. Disposition from ED:
    1. Within the hospital:
      - a. Intensive care unit
      - b. Burn center
      - c. Labor and delivery
      - d. Operating room
      - e. Floor
    2. From hospital:
      - a. Transfer
      - b. Died in ED
      - c. Dead on arrival at the ED

- h. Disposition from the hospital:
    - 1. Home
    - 2. Home Health
    - 3. Nursing home
    - 4. Jail
    - 5. Died in hospital
    - 6. Transferred to:
      - a. Mental health facility
      - b. Burn center
      - c. Rehabilitation
  - i. Length of stay
  - j. ICU days
  - k. Unplanned readmission
  - l. Heat CT results
  - m. ICD-9-CM diagnosis codes
  - n. ICD-9-CM procedure codes
  - o. Injury severity codes
  - p. Probability of survival
  - q. Complications from American College of Surgeons list
  - r. Functional independence measure of discharge (FIM score) - abbreviated
7. Regarding the rehabilitation center:
- a. Length of stay
  - b. Disposition from the hospital:
    - 1. Home
    - 2. Hospital
    - 3. Home health
    - 4. Skilled nursing home
    - 5. Jail
    - 6. Died in hospital
    - 7. Transferred to:
      - a. Mental health facility
      - b. Burn center
      - c. Higher level rehabilitation center
  - c. ASIA (American Spinal Injury Association) score
  - d. Comprehensive FIM score (excluding Basic and General B centers)
  - e. Rancho (For Acquired Traumatic Brain Injuries score)