

Data Dictionary 2012 - 2013

The Arizona Pre-Hospital Information & EMS Registry System

AZ-PIERS



Mission: To use and provide data in the communication of process improvement, best practices, and advances in patient care to all.



Section D01

Agency General Information

EMS AGENCY NUMBER

D01_01

Data [text]

National Element

Definition

The state-assigned provider number of the responding agency

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

References in NHTSA Version 1

Desirable Element 23 Patient Care Record Number

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Number

ARIZONA REQUIRED

EMS AGENCY NAME

D01_02

Data [text]

Definition

The formal name of the agency

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

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

EMS AGENCY STATE

D01_03

Data [combo] multiple-choice

National Element

Definition

The state in which the Agency provides services

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

Field Values

- Appropriate 2 digit FIPS code

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

References to Other Databases

- NFIRS 5.0 EMS Module, Title: State

ARIZONA REQUIRED

EMS AGENCY COUNTY

D01_04

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

- Appropriate 5 digit FIPS code

Additional Information

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

Uses

- Used to group data with a state

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

PRIMARY TYPE OF SERVICE

D01_05

Data [combo] single-choice

Definition

The primary service type provided by the agency

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

Field Values

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

Uses

- Important for grouping or comparing EMS Agencies

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

LEVEL OF SERVICE

D01_07

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:string/integer* **XSD Domain (Simple Type)**
DemographicStateCertificationLicensureLevels

Multiple Entry Configuration No **Accepts Null Values** No
Required in XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 100

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

References in NHTSA Version 1

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

References to Other Databases

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

ARIZONA REQUIRED

ORGANIZATIONAL TYPE

D01_08

Data [combo] single-choice

National Element

Definition

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

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>OrganizationalType</i>
Multiple Entry Configuration No	Accepts Null Values No
Required in XSD Yes	

Field Values

5810 Community, Non-Profit	5820 Fire Department
5830 Governmental, Non-Fire	5840 Hospital
5850 Private, Non_Hospital	5860 Tribal

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

ORGANIZATION STATUS

D01_09

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *OrganizationStatus*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

5870 Mixed

5880 Non-Volunteer

5890 Volunteer

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

EMS AGENCY TIME ZONE

D01_19

Data [text]

National Element

Definition

The time zone for the EMS Agency

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EMSAgencyTimeZone*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

5900 GMT-11:00 Midway Island, Samoa

5910 GMT-10:00 Hawaii

5920 GMT-09:00 Alaska

5930 GMT-08:00 Pacific Time

5940 GMT-07:00 Mountain Time

5950 GMT-06:00 Central Time

5960 GMT-05:00 Eastern Time

5970 GMT-04:00 Atlantic Time

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

NATIONAL PROVIDER IDENTIFIER

D01_21

Data [text]

National Element

Definition

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

XSD Data Type <i>xs:string</i>	XSD Domain (Simple Type) <i>NationalProviderIdentifier</i>
Multiple Entry Configuration No	Accepts Null Values Yes*
Required in XSD Yes	Minimum Constraint 3 Maximum Constraint 10

Field Values

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

Additional Information

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

Uses

- Important for HIPAA related transactions such as electronic claims processing

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

ARIZONA REQUIRED

Agency Contact Information

AGENCY CONTACT ZIP CODE

D02_07

Data [text]

National Element

Definition

The ZIP code of the Agency contact's mailing address.

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

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

Required in XSD Yes

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

Field Values

A unique value; no variable list is possible.

Additional Information

- Can be a 5 or 9 digit Zip Code

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

D02_04 Agency Contact Address

D02_05 Agency Contact City

D02_06 Agency Contact State

ARIZONA REQUIRED

Agency Configuration Information

PROCEDURES

D04_04

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:decimal* **XSD Domain (Simple Type)** *DemographicProcedure*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 1,000
 XSD Structure: D04_04 and D04_05 are members of D04_04_0 Demographic Procedure Structure

Field Values

12 Lead ECG-Obtain	89.820	CPR-Start Rescue Breathing without Compressions	99.612
12 Lead ECG-Transmitted	89.821	CPR-Stop	99.615
Activation-Advanced Hazmat Specialty Service/Response Team	101.201	Decontamination	86.280
Activation-Fire Rehabilitation Specialty Service/Response Team	101.202	Defibrillation-Automated (AED)	99.621
Activation-Other Specialty Service/Response Team	101.203	Defibrillation-Manual	99.622
Activation-Rescue Specialty Service/Response Team	101.204	Defibrillation-Placement for Monitoring/Analysis	99.625
Activation-Social Services Notification/Referral	101.205	Escharotomy	86.090
Activation-Tactical or SWAT Specialty Service/Response Team	101.206	Extrication	100.200
Airway-Bagged (via BVMask)	93.931	Gastric Tube Insertion-Inserted Nasally	96.070
Airway-Bagged (via tube)	93.930	Gastric Tube Insertion-Inserted Orally	96.071
Airway-BiPAP	96.702	Injections-SQ/IM	99.290
Airway-Change Tracheostomy Tube	97.230	Intra-Aortic Balloon Pump Maintenance	37.611
Airway-Cleared, Opened, or Heimlich	98.130	Joint Reduction/Relocation	79.700
Airway-Combitube Blind Insertion Airway Device	96.051	Left Ventricular Assist Device Maintenance	37.612
Airway-CPAP	93.900	MAST	93.580
Airway-Direct Laryngoscopy	31.420	Orthostatic Blood Pressure Measurement	89.590
Airway-EOA/EGTA	96.030	Pain Measurement	89.702
Airway-Extubation	96.993	Patient Cooling (Cold Pack, etc.)	99.810
Airway-Foreign Body Removal	98.131	Patient Cooling-Post Resuscitation	99.811
Airway-Impedance Threshold Device	96.703	Patient Loaded	100.300
Airway-Intubation Confirm Colorimetric ETCO2	96.991	Patient Loaded-Helicopter Hot-Load	100.301
Airway-Intubation Confirm Esophageal Bulb	96.992	Patient Monitoring of Pre-existing Devices, Equipment, or Ongoing Medications	89.599
Airway-Intubation of Existing Tracheostomy Stoma	97.231	Patient Off-Loaded	100.302
Airway-King LT Blind Insertion Airway Device	96.053	Patient Off-Loaded Helicopter Hot Off-Load	100.303
Airway-Laryngeal Mask Blind Insertion Airway Device	96.052	Patient Warming (Hot Pack, etc.)	93.350
Airway-Nasal	96.010	Pericardiocentesis	37.000
Airway-Nasotracheal Intubation	96.041	Pulse Oximetry	89.392
Airway-Nebulizer Treatment	93.940	Rescue	100.100
Airway-Needle Cricothyrotomy	31.110	Restraints-Pharmacological	99.841
Airway-Oral	96.020	Restraints-Physical	99.842
Airway-Orotracheal Intubation	96.040	Specialty Center Activation-Adult Trauma	101.101
Airway-PEEP	96.790	Specialty Center Activation-Cardiac Arrest	101.103
Airway-Rapid Sequence Intubation	96.042	Specialty Center Activation-Pediatric Trauma	101.102

Airway-Respirator Operation (BLS)	93.910	Specialty Center Activation-STEMI	101.104
Airway-Suctioning	98.150	Specialty Center Activation-Stroke	101.105
Airway-Surgical Cricothyrotomy	31.120	Spinal Immobilization	93.591
Airway-Ventilator Operation	96.700	Splinting-Basic	93.540
Airway-Ventilator with PEEP	96.701	Splinting-Traction	93.450
Airway-Video Laryngoscopy	31.421	Temperature Measurement	89.703
Arterial Access-Blood Draw	38.910	Thrombolytic Screen	89.704
Arterial Line Maintenance	89.610	Urinary Catheterization	57.940
Assessment-Adult	89.700	Vagal Maneuver-Carotid Massage	99.640
Assessment-Pediatric	89.701	Vagal Maneuver-Valsalva or Other Vagal Maneuver (Not Carotid Massage)	99.641
Blood Glucose Analysis	38.995	Venous Access-Blood Draw	38.990
Capnography (CO2 Measurement)	89.391	Venous Access-Central Line Maintenance	89.620
Cardiac Monitor	89.510	Venous Access-Discontinue	39.997
Cardiac Pacing-External	99.624	Venous Access-Existing Catheter	38.991
Cardiac Pacing-Transvenous	99.626	Venous Access-External Jugular Line	38.993
Cardioversion	99.623	Venous Access-Extremity	38.992
Chest Decompression	34.041	Venous Access-Femoral Line	38.994
Chest Tube Placement	34.042	Venous Access-Internal Jugular Line	39.995
Childbirth	73.590	Venous Access-Intraosseous Adult	41.920
CNS Catheter-Epidural Maintenance	1.181	Venous Access-Intraosseous Pediatric	41.921
CNS Catheter-Intraventricular Maintenance	1.182	Venous Access-Subclavian Line	39.996
Contact Medical Control	101.500	Venous Access-Swan Ganz Maintenance	89.640
CPR by Other External Automated Device	99.601	Venous Access-Umbilical Vein Cannulation	39.998
CPR-AutoPulse Device	99.602	Wound Care-General	93.057
CPR-Mechanical Thumper Type Device	99.603	Wound Care-Hemostatic Agent	93.059
CPR-Precordial Thump Only	99.604	Wound Care-Irrigation	93.058
CPR-Start Compressions and Ventilations	99.600	Wound Care-Taser Barb Removal	93.055
CPR-Start Compressions only without Ventilation	99.611	Wound Care-Tourniquet	93.056

AZ-PIERS Additional Procedure Options

ImageTrend Code	Addl - ImageTrend - AZ-PIERS Procedure Descriptions
6720	<i>ACD Deactivation</i>
6730	<i>AED-ERU</i>
6740	<i>AED-First Responder</i>
6750	<i>AED-Public Access</i>
6195	<i>Airway-ECO2 Monitoring</i>
154054	<i>Airway-Endotracheal Tube Existing/Monitoring</i>
154100	<i>Airway-Ventilator Setting Adjustment</i>
154101	<i>Airway-Verification</i>
154125	<i>Arterial Access - Femoral Line</i>
154099	<i>Arterial Access-Umbilical</i>
6760	<i>Burn Care</i>
154045	<i>CPR-Hold (Momentarily)</i>
6820	<i>Isolation Procedures</i>
6540	<i>None</i>
6830	<i>Other</i>

ImageTrend Code	Addl - ImageTrend - AZ-PIERS Procedure Descriptions
154020	<i>Spinal Assessment - Deficits Noted</i>
154021	<i>Spinal Assessment - No Deficits Noted</i>
6581	<i>Spinal Immobilization - K.E.D.</i>
6582	<i>Spinal Immobilization - Long Back Board</i>
6770	<i>Spinal Immobilization - Rigid Cervical Collar</i>
6780	<i>Spinal Immobilization - Soft Cervical Collar</i>
154000	<i>Spinal Immobilization - Standing Take-Down</i>
154047	<i>ROSC</i>
6850	<i>Stretcher</i>
154124	<i>Thoracentesis</i>
154111	<i>Umbilical Artery Catheter</i>
154008	<i>Venous Access-Saline Lock</i>
6711	<i>Wound Care - Burn Care</i>
6712	<i>Wound Care - Pressure Dressing</i>

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number **D04_05** Personnel Level Permitted to Use the Procedure

References in NHTSA Version 1

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

References to Other Databases

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

ARIZONA REQUIRED

MEDICATIONS GIVEN

D04_06

Data [text] multiple-entry

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *DemographicMedicationsGiven*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: D04_06 and D04_07 are members of D04_06_0 Demographic Medication Structure

Field Values

A unique value.

AZ-PIERS Medication Options

4	Amyl Nitrate	412	Insulin
8	Bumetanide (Bumex)	413	Flumazenil (Romazicon)
10	Calcium Gluconate	414	Haloperidol (Haldol)
11	Diphenhydramine (Benadryl)	415	Prochlorperazine (Compazine)
12	Dexamethasone (Decadron)	416	Mark 1 Kit
16	Dopamine	417	IV Antibiotics
21	Atropine Sulfate	418	Epi-Pen Adult
24	Lorazepam (Ativan)	419	Epi-Pen Junior
27	Meperidine (Demerol)	425	Ondansetron (Zofran)
28	Metaproterenol (Alupent)	426	Other Cardiac Drug
30	Metoclopramide (Reglan)	427	Other CNS Drug
31	Albuterol Sulfate	428	Other Autonomic Nervous System Drug
32	Terbutaline (Brethine)	429	Other Respiratory Drug
33	Nifedipine (Adalat, Procardia)	430	Esmolol HCl (Brevibloc)
38	Ketorolac (Toradol)	431	Hydralazine (Apresoline)
39	Thiamine	432	Ketamine
41	Succinylcholine (Anectine)	433	Phenylephrine HCl (Neo-Synephrine)
42	Neostigmine	434	Phenytoin (Dilantin)
51	Heparin	435	Potassium Cl
60	Atrovent (Ipratropium Bromide)	436	Diltiazem (Cardizem)
61	Adenosine	437	Hurricane Spray
62	Bretylium Tosylate	438	Oxygen by Nebulizer
63	Lidocaine	439	Oxygen by Positive Pressure Device
64	Procainamide	440	Epinephrine 1:1000
65	Amiodorone (Cordarone)	441	Epinephrine 1:10,000
66	Verapamil (Isoptin)	521	Proparacaine (Alcaine)
67	Isoproterenol	910	Oxygen
68	Nitroprusside	9396	Oxygen by Nasal Cannula
72	Nitroglycerin	9397	Oxygen by Mask
81	Aspirin (ASA)	9398	Oxygen (non-rebreather mask)
92	Morphine Sulfate	12360	Oxygen by Blow By
93	Nubain	156000	Alteplase
101	Naloxone (Narcan)	156001	Atracurium

111	Charcoal, activated	156002	Dextrose 25% (D25)
121	Diazepam (Valium)	156003	Dextrose 10% (D10)
122	Midazolam (Versed)	156004	Digoxin
131	Magnesium Sulfate	156005	Enoxaparin
132	Furosemide (Lasix)	156006	Tenecteplase
141	Etomidate	156007	Tetracaine
142	Droperidol (Inapsine)	156008	Levalbuterol HCL (Xopenex)
143	Nitronox (Nitrous Oxide)	156009	Dextrose 12.5%
151	Sodium bicarbonate	156010	D5W (Dextrose 5% in Water)
161	Calcium Chloride	156011	Lactated Ringers
163	Labetolol	156012	D5W w/ 1/2 Normal Saline
171	Dextrose 50% (D50)	156013	DuoNeb (0.5 Atrovent/3.0 Albuterol)
172	Reactose	156014	Acetaminophen
182	Mannitol (Osmitrol)	156015	Dolasetron (Anzemet)
201	Ipecac	156016	Granisetron HCL (Kytril)
222	Methylprednisolone (Solu-Medrol)	156017	Ibuprofen (Advil, Motrin)
231	Glucagon	156018	Norepinephrine
300	Dobutamine	156019	Pralidoxime (2-PAM, Systemic)
325	Fentanyl	156020	Sodium Nitrate (Cyanide Kit)
350	Metoprolol (Lopressor)	156021	Sodium Thiosulfate (Cyanide Kit)
400	Vecuronium (Norcuron)	156022	Cetacaine Spray
401	Vasopressin	156023	Glucose (Oral)
402	Racemic Epinephrine	156030	Mivacurium Chloride (Mivacron)
403	Promethazine HCL (Phenergan)	156031	Normal Saline (Respiratory Use)
404	Normal Saline	156032	Butorphanol Tartrate (STADOL)
405	Abciximab (Reopro)	156033	Tissue Plasminogen Activator (tPA)
406	Tirofiban HCL (Aggrastat)	156034	Hydroxyzine (Atarax Vistaril)
407	Eptifibatide (Integrilin)	156035	Thiopental Sodium (Pentothal)
408	Glucose	156047	½ Normal Saline - 0.45%
409	Hydromorphone (Dilaudid)	156128	Other - Type-In
410	Rocuronium Bromide (Zemuron)	156214	None
411	Oxytocin (Pitocin)		

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

D04_07 Personnel Level Permitted to Use the

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 =

ARIZONA REQUIRED

Data [text] multiple-entry

Definition

A list of all of the medical treatment protocols that the agency has in place and available for use. Specific Adult or Pediatric Protocols should be mapped to one of these topics if possible.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *DemographicProtocolsUsed*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** **No**
Required in XSD **No** **Minimum Constraint** **2** **Maximum Constraint** **30**
XSD Structure: D04_08 and D04_09 are members of D04_08_0 Demographic Protocol Structure
XSD Attributes: Status (Active or In-active) and Date are included as attributes

Field Values

- | | |
|--|--|
| 6720 Abdominal Pain | 6730 Airway |
| 6740 Airway-Failed | 6760 Airway-RSI |
| 6770 Allergic Reaction/Anaphylaxis | 6780 Altered Mental Status |
| 6785 AltitudeSickness | 6790 Asystole |
| 6791 Atrial Fibrillation | 6800 Back Pain |
| 6810 Behavioral | 6820 Bites and Envenomations |
| 6830 Bradycardia | 6840 Burns |
| 6850 Cardiac Arrest | 6860 Cardiac Chest Pain |
| 6870 Childbirth/Labor | 6875 Cold Exposure |
| 6880 Dental Problems | 6881 Device Malfunction |
| 6885 Diarrhea | 6890 Drowning/Near Drowning |
| 6892 Diving Emergencies | 6900 Electrical Injuries |
| 6910 Epistaxis | 6911 Exposure-Airway Irritants |
| 6912 Exposure-Biological/Infectious | 6913 Exposure-Blistering Agents |
| 6914 Exposure-Cyanide | 6915 Exposure-Nerve Agents |
| 6916 Exposure-Radiologic Agents | 6917 Exposure-Riot Control Agents |
| 6920 Extremity Trauma | 6925 Eye Trauma |
| 6930 Fever | 6935 Gynecologic Emergencies |
| 6940 Head Trauma | 6945 Hyperglycemia |
| 6950 Hypertension | 6960 Hyperthermia |
| 6965 Hypoglycemia | 6970 Hypotension/Shock (Non-Trauma) |
| 6980 Hypothermia | 6990 IV Access |
| 7000 Trauma-Multisystem | 7010 Newly Born |
| 7020 Obstetrical Emergencies | 7030 Overdose/Toxic Ingestion |
| 7040 Pain Control | 7130 Post Resuscitation |
| 7140 Pulmonary Edema | 7150 Pulseless Electrical Activity |
| 7160 Respiratory Distress | 7170 Seizure |
| 7175 Spinal Cord Trauma | 7180 Spinal Immobilization |
| 7190 Supraventricular Tachycardia | 7200 Stroke/TIA |
| 7210 Syncope | 7214 Trauma-Arrest |
| 7215 Trauma-Amputation | 7220 Universal Patient Care |
| 7230 Ventricular Fibrillation | 7232 Ventricular Ectopy |
| 7240 Ventricular Tachycardia | 7251 Vomiting |

AZ-PIERS Additional Protocol Options

158039	Air Medical Transport
158041	Asthma/COPD/Reactive Airway Disease - Adult
158060	Automatic External Defibrillator (AED)
158061	Cardiogenic Shock
158044	Chemical burns - adults
158046	Cyanide and arsenic - adult
158047	Cyanide and arsenic - pediatric

158065	Eye Injury
158049	Fever (>101.5 f / 38.5 c) - pediatric
158064	Hypothermia (Severe - with No Signs of Life)
158063	Minimum Landing Zone Area
158050	Neonatal resuscitation
158051	Nerve agents & organophosphates - provider protection
158052	Nerve agents & organophosphates MCI - adult
158053	Nerve agents & organophosphates MCI - pediatric
158038	Pediatric - Abdominal Injuries (Penetrating)
158040	Pediatric - Allergic Reaction/Anaphylaxis
158042	Pediatric - Asthma/Reactive Airway Disease
158043	Pediatric - Burns (thermal)
158045	Pediatric - Chemical burns
158048	Pediatric - Diabetic emergencies
158066	Pediatric Altered Mental Status/Coma
158069	Pediatric Automatic External Defibrillator (AED)
158067	Pediatric Croup/Epiglottitis/FBAO
158068	Pediatric Respiratory Arrest
158054	Poisoning/substance abuse/overdose - pediatric
158055	Radiation injuries
158062	Refusal of Care/Transportation
158059	Respiratory Arrest
158056	Tachycardia - pediatric
158057	Thoracic injuries - adult
158058	Thoracic injuries - pediatric

Additional Information

- Can be used as a qualifying measure to compare care provided to protocol guidance

Optional

HOSPITALS SERVED

D04_11

Data [text] multiple-entry

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *FacilityName*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 50
XSD Structure: D04_11 and D04_12 are members of D04_11_0 Hospitals Served Structure

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number **D04_12** Hospital Facility Number

ARIZONA REQUIRED

HOSPITAL FACILITY NUMBER

D04_12

Data [text]

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *FacilityNumber*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: D04_11 and D04_12 are members of D04_11_0 Hospitals Served Structure

Field Values

A unique value; no variable list is possible.

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

OTHER DESTINATIONS

D04_13

Data [text] multiple-entry

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *FacilityName*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 2

Maximum Constraint 50

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

D01_01 EMS Agency Number

D04_14 Destination Facility Number

D04_15 Destination Type

ARIZONA REQUIRED

Common EMS Values

COMMON NULL VALUES

E00

Data [combo] single-choice

Definition

These values are to be used in each of the Demographic and EMS Data Elements described in this document which have been defined to accept the E00 Null Values.

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.

Arizona has decided to move to the NEMSIS 3.0 Null values now, to keep data consistent with upcoming years. Retired Data values of ~~-10 Not Known & -5 Not Available~~ will be retired and should be mapped to -20 Not Recorded by outside software vendors

ARIZONA REQUIRED

Record Information

PATIENT CARE REPORT NUMBER

E01_01

Data [text]

National Element

Definition

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

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 23 Patient Care Record Number

References to Other Databases

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

Extended NEMSIS 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.

Although the patient care report number is unique to a given agency, it is probably not unique when compared to other agencies within a state or the nation. The NEMSIS Technical Assistance Center uses this variable (and EMS Agency Number [E02-01]) to validate that the same PCR has not been submitted by the state to the National EMS Database multiple times.

ARIZONA REQUIRED

SOFTWARE CREATOR

E01_02

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareCreatedBy*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

ARIZONA REQUIRED

SOFTWARE NAME

E01_03

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareName*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

ARIZONA REQUIRED

SOFTWARE VERSION

E01_04

Data [text]

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SoftwareVersion*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 3

Maximum Constraint 30

Field Values

A unique value; no variable list is possible.

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

ARIZONA REQUIRED

Unit/ Agency Information

EMS AGENCY NUMBER

E02_01

Data [text]

National Element

Definition

The state-assigned provider number of the responding agency

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

Field Values

A unique value; no variable list is possible.

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

- [NFIRS 5.0](#) EMS Module; Title: FDID; State assigned Fire Department ID number

ARIZONA REQUIRED

INCIDENT NUMBER

E02_02

Data [text]

Definition

The incident number assigned by the 911 Dispatch System

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 21 Incident Number

References to Other Databases

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

ARIZONA REQUIRED

TYPE OF SERVICE REQUESTED

E02_04

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

AZ-PIERS Additional Field Value

410000	Interfacility Transfer (Unscheduled)
410001	Flagdown/Walk-in Emergent

410002	Flagdown/Walk-in Non-emergent
--------	-------------------------------

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 20 Service Type

NEMSIS Extended Definitions:

911 Response (Scene) - Emergent or immediate response to an incident location, regardless of method of notification (for example, 911, direct dial, walking, or flagging down).

Intercept – When one EMS Provider meets a transporting EMS unit with the intent of receiving a patient or providing a higher level of care.

Inter-facility Transfer – Transfer of a patient from one hospital to another hospital.

Medical Transport – Transports that are not between hospitals or that do not require an immediate response.

Mutual Aid – Request from another ambulance service to provide emergent or immediate response to an incident location.

Standby – Initial request for service was not tied to a patient but to a situation where a person may become ill or injured.

ARIZONA REQUIRED

PRIMARY ROLE OF THE UNIT

E02_05

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PrimaryRollOfTheUnit*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

60 Non-Transport

70 Supervisor

65 Rescue

75 Transport

AZ-PIERS Additional Field Value

411000	ALS Ground Transport
411001	BLS Ground Transport
411002	Critical Care Ground Transport

411004	Fixed Wing Transport
411005	Other Transport
411006	Roto-Craft 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

NEMSIS Extended Definitions:

Non-Transport - The unit's role in this incident is to provide EMS care but is not intended to provide transport.

Rescue - The unit's role in this incident is to provide rescue services.

Supervisor - The unit's role in this incident is as a supervisor.

Transport - The unit's role in this incident is to provide transportation of the patient even if no transport happened.

ARIZONA REQUIRED

TYPE OF DISPATCH DELAY

E02_06

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfDispatchDelay*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~5~~ Not Available

85 High Call Volume

95 Location (Inability to Obtain)

105 None

115 Scene Safety (Not Secure for EMS)

~~-20~~ Not Recorded

~~-10~~ Not Known

80 Caller (Uncooperative)

90 Language Barrier

100 No Units Available

110 Other

120 Technical Failure (Computer, Phone etc.)

Uses

- Allows data to describe the status of Dispatch issues

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

NEMSIS Extended Definitions:

Caller Uncooperative – Caller uncooperative (i.e. does not answer questions).

High Call Volume – High call volume in the dispatch center caused delayed notification of the EMS unit.

Language Barrier – Difficulty communicating with the caller because of language problems.

Location (Inability to Obtain) – Inability to determine where to dispatch the EMS unit.

No Units Available – Lack of available EMS units.

None – Use if the dispatch of the EMS unit was not delayed.

Other – Dispatch was delayed for reasons not listed here.

Scene Safety (Not Secure for EMS) – Notification of the EMS unit was delayed in dispatch because the scene was unsafe.

Technical Failure (Computer, Phone, etc.) – Failure of phones, computers, radios, or other technical failure.

Optional

TYPE OF RESPONSE DELAY

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

- 25 Not Applicable
- 15 Not Reporting
- ~~5 Not Available~~
- 130 Directions
- 140 Diversion
- 150 None
- 160 Safety
- 170 Traffic
- 180 Vehicle Failure
- 20 Not Recorded
- ~~10 Not Known~~
- 125 Crowd
- 135 Distance
- 145 HazMat
- 155 Other
- 165 Staff Delay
- 175 Vehicle Crash
- 185 Weather

AZ-PIERS Additional Field Value

413000	Train
413011	Gated Community or Prison (Location Entry Delay)

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

NEMSIS Extended Definitions:

- Crowd – The presence of sufficient numbers of people to impair normal response.
- Directions – Bad or inadequate directions, or if the unit got lost en route.
- Distance – A long distance to the scene from the unit’s location when dispatched.
- Diversion – Diversion of the initially dispatched unit to another incident.
- HazMat – Hazardous Material danger.
- None – Use if the arrival of the EMS unit at the scene was not delayed.
- Other – Other reasons not listed here.
- Safety – Scene safety issues not related to crowds or HazMat.
- Staff Delay – Issues arising with crew members’ ability to respond.
- Traffic – The sufficient amount of traffic to impair normal response.
- Vehicle Crash – EMS unit was involved in a crash.
- Vehicle Failure – EMS unit mechanical reasons (i.e., ambulance did not start, flat tire, etc.).
- Weather – Adverse weather conditions impairing normal response.

ARIZONA REQUIRED

TYPE OF SCENE DELAY

Data [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 Values Yes
 Required in XSD Yes

Field Values

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

AZ-PIERS Additional Field Value

414000	Patient Access Delay (Lockout/Physical)
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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

NEMSIS Extended Definitions:

Crowd – The presence of sufficient numbers of people to cause the inappropriate extension of time on scene.

Directions – Bad or inadequate directions resulting in the crew having difficulty finding the patient

Distance – Distance between the ambulance and the patient

Diversion – Need to find receiving hospital not on diversion before departing the scene

Extrication > 20 Min. – Extrication of patient that took longer than 20 minutes

HazMat – Hazardous Material danger

Language Barrier – Difficulty communicating with the patient or bystanders because of language problems

None – Use if the total scene time was not extended

Other – Any other factor not described here

Safety – Scene safety issues not related to crowds or HazMat

Staff Delay – Total scene time issues arising with crew members

Traffic – The presence of a sufficient amount of traffic that causes an inappropriate extension of time on scene

Vehicle Crash – EMS unit was involved in a crash

Vehicle Failure – EMS unit had mechanical reasons (i.e., ambulance did not start, flat tire, etc.)

Weather – Adverse weather conditions that cause the inappropriate extension of time on scene

ARIZONA REQUIRED

TYPE OF TRANSPORT DELAY

E02_09

Data [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 Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

~~5 Not Available~~

270 Directions

280 Diversion

290 None

300 Safety

310 Traffic

320 Vehicle Failure

-20 Not Recorded

~~10 Not Known~~

265 Crowd

275 Distance

285 HazMat

295 Other

305 Staff Delay

315 Vehicle Crash

325 Weather

AZ-PIERS Additional Field Value

415000	Train
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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

NEMSIS Extended Definitions:

Crowd – The presence of sufficient numbers of people to inappropriately extend transport time

Directions – Bad or inadequate directions, or if the unit got lost en route

Distance – A long distance to the destination from the scene

Diversion – Diversion of the transporting unit to a different receiving hospital

HazMat – Hazardous Material danger

None – Use if the arrival of the EMS unit at the destination was not delayed

Other – Other reasons not listed here

Safety – Transport safety issues not related to crowds or HazMat

Staff Delay – Issues arising with crew members' ability to transport

Traffic – The presence of a sufficient amount of traffic to inappropriately extend transport time

Vehicle Crash – EMS unit was involved in a crash

Vehicle Failure – EMS unit mechanical reasons (i.e., ambulance did not start, flat tire, etc.)

Weather – Adverse weather that inappropriately extend transport time

ARIZONA REQUIRED

TYPE OF TURN-AROUND DELAY

E02_10

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

NEMSIS Extended Definitions:

Clean-up – EMS unit clean up takes longer than normal

Decontamination – EMS unit decontamination

Documentation – Patient care documentation takes longer than normal

ED Over-crowding – Over-crowding in the hospital emergency department

Equipment Failure – Equipment Failure with the exception of the EMS unit

Equipment Replacement – Re-supply of the EMS unit takes longer than normal

None – There were no delays in returning to service

Other – Any other reason not listed here

Staff Delay – Issues arising with crew members

Vehicle Failure – EMS unit mechanical reasons (i.e., ambulance did not start, flat tire, etc.)

ARIZONA REQUIRED

EMS UNIT/VEHICLE NUMBER

E02_11

Data [combo] single-choice

Definition

The unique physical vehicle number of the responding unit

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
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References in NHTSA Version 1

Essential Element 24 Agency/Unit Number

ARIZONA REQUIRED

EMS UNIT CALL SIGN (RADIO NUMBER)

E02_12

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *EMSUnitCallSign*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 15

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

ARIZONA REQUIRED

RESPONSE MODE TO SCENE

E02_20

Data [combo] single-choice

National Element

Definition

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

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

Multiple Entry Configuration No Accepts Null Values No

Required in XSD Yes

Field Values

380 Initial Lights and Sirens, Downgraded to No Lights or Sirens 385 Initial No Lights or Sirens, Upgraded to Lights and Sirens

390 Lights and Sirens 395 No Lights or Sirens

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 19 Lights and Sirens to Scene

ARIZONA REQUIRED

Unit/ Call Information

COMPLAINT REPORTED BY DISPATCH

E03_01

Data [combo] single-choice

National Element

Definition The complaint dispatch reported to the responding unit.

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

Field Values

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

AZ-PIERS Additional Field Value

435000	Assault - Sexual
435001	Intercept
435002	Medical Alarm
435003	Medical Transport
435004	Other
435005	Overdose
435006	Pain
435007	Standby

435008	Auto vs. Pedestrian
435009	Machine/equipment Injury
435010	Respiratory Arrest
435011	Altered Mental Status
435012	Invalid Assist/Lifting Assist
435013	Fire Standby
435014	HAZMAT Standby

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

NHTSA EMD Data Elements Chief Complaint Types
Optional

Unit/ Personnel Information

CREW MEMBER ROLE

E04_02

Data [combo] single-choice

Definition

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

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CrewMemberRole*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD No

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

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

585 Primary Patient Caregiver

595 Third Patient Caregiver

-20 Not Recorded

-10 Not Known

580 Driver

590 Secondary Patient Caregiver

600 Other

AZ-PIERS Additional Field Value

445000	Fire Company
445001	First Responder
445002	Pilot

445003	Ride Along
445006	FD Ambulance Medic
445009	Fourth Patient Caregiver

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E04_01 Crew Member ID

E01_01 Patient Care Report Number

E04_03 Crew Member Level

Optional

CREW MEMBER LEVEL

E04_03

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string/integer* **XSD Domain (Simple Type)** *CrewMemberLevel*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

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

References to Other Databases

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

ARIZONA REQUIRED

Times

INCIDENT OR ONSET DATE/TIME

E05_01

Data [date/time]

Definition

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

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

Field Values

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

NOTES:

- Per NEMSIS, if Onset Date/Time not known for Stroke patient or Potential Stroke patient, enter last time patient was known to be well. See instructions for using E05_01 for Stroke patients:
 - o “ If time of symptom onset unknown, when was the person last known symptom free in 24 hour format”

ARIZONA REQUIRED

PSAP CALL DATE/TIME

E05_02

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 08 Date Incident Reported

Essential Element 09 Time Incident Reported

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Incident Date; The date the Fire Department received the incident alarm

ARIZONA REQUIRED

DISPATCH NOTIFIED DATE/TIME

E05_03

Data [date/time]

Definition

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

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

Field Values

Additional Information

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

Uses

- Provides information on how EMS requests are progressing through the PSAP and Dispatch Centers
- Used in the Quality Management evaluation of the PSAP and Dispatch Centers

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 10 Time Dispatch Notified

ARIZONA REQUIRED

UNIT NOTIFIED BY DISPATCH DATE/TIME

E05_04

Data [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 Values No

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

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

ARIZONA REQUIRED

UNIT EN ROUTE DATE/TIME

E05_05

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD Yes

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

Field Values

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

ARIZONA REQUIRED

UNIT ARRIVED ON SCENE DATE/TIME

E05_06

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

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

ARIZONA REQUIRED

ARRIVED AT PATIENT DATE/TIME

E05_07

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD Yes

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 15 Time of Arrival at Patient

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date/Time Arrived; The date and time fire fighters arrived at the patient.

ARIZONA REQUIRED

TRANSFER OF PATIENT CARE DATE/TIME

E05_08

Data [date/time]

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD No

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

Field Values

Additional Information

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

Uses

- Important for Quality Management when the patient is cared for by more than one EMS agency
- Provides documentation of how the patient progresses through the EMS agency

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date/Time Transfer; The date and time fire fighters transferred the care of the

ARIZONA REQUIRED

UNIT LEFT SCENE DATE/TIME

E05_09

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

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

ARIZONA REQUIRED

Receiving Hospital Contacted Date/Time (for STEMI or STROKE)

IT5_71

Data datetime

Arizona Element

Definition

The date/time the receiving hospital was contacted

NISE Prefix 1016

NOT Compatible with E23_11 & E23_09

XSD Data Type *datetime*

XSD Domain (Simple Type)

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD

Field Values

Uses

Data Collector

Other Associated Elements

Additional Information Unavailable for 3rd party software users until October 2013. Required for all users January 2014.

ARIZONA REQUIRED (part of Stroke/ASPIRE, STEMI)

PATIENT ARRIVED AT DESTINATION DATE/TIME

E05_10

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD Yes

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

Field Values

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

ARIZONA REQUIRED

Patient Released to Destination Staff Date/Time

IT5_26

Data [date/time]

Arizona Element

Definition

The date/time the responding unit transferred care of the patient to hospital staff.

NISE Prefix 375

Compatible with E23_11 & E23_09

XSD Data Type xs:dateTime

XSD Domain (Simple Type)

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD

Field Values

Additional Information

Some agencies may already be collecting this as their "Unit Back In Service Date/Time", if the agency has defined back in service as the time the transfer of patient care occurs.

Uses

Used in conjunction with "Patient Arrived at Destination Date/Time" to calculate a Patient Off-Load time.

Data Collector

Other Associated Elements

ARIZONA REQUIRED

UNIT BACK IN SERVICE DATE/TIME

E05_11

Data [date/time]

National Element

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Minimum Constraint 1,990 Maximum Constraint 2,030

Field Values

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

ARIZONA REQUIRED

Patient

LAST NAME

E06_01

Data [text]

Definition

The patient's last (family) name

XSD Data Type *xs:string*

XSD Domain (Simple Type) *LastName*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 20

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

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

ARIZONA REQUIRED

FIRST NAME

E06_02

Data [text]

Definition

The patient's first (given) name

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

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

Field Values

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

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

ARIZONA REQUIRED

PATIENT'S HOME ADDRESS

E06_04

Data [text]

Definition

The patient's home mailing or street address

XSD Data Type *xs:string*

XSD Domain (Simple Type) *StreetAddress*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_07 Patient's Home State

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 33 Patient Street Address

ARIZONA REQUIRED

PATIENT'S HOME CITY

E06_05

Data [combo] single-choice

Definition

The patient's home city or township or residence

XSD Data Type *xs:string*

XSD Domain (Simple Type) *City*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_06 Patient's Home County

E06_07 Patient's Home State

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 34 City of Residence

ARIZONA REQUIRED

PATIENT'S HOME COUNTY

E06_06

Data [combo] single-choice

Definition

The patient's home county or parish or residence

XSD Data Type *xs:string*

XSD Domain (Simple Type) *County*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 20

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_05 Patient's Home City

E06_07 Patient's Home State

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 35 County of Residence

ARIZONA REQUIRED

PATIENT'S HOME STATE

E06_07

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 3

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Patient's Home Zip (E06_08)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_08 Patient's Home Zip Code

References in NHTSA Version 1

Desirable Element 36 State of Residence

ARIZONA REQUIRED

PATIENT'S HOME ZIP CODE

E06_08

Data [text]

National Element

Definition

The patient's home ZIP code of residence

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

- Can be stored as a 5 or 9 digit code

Uses

- Allows data to be sorted based on the geographic location of the patient's home
- Allows data to describe geographic location of the patient's home
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

E06_04 Patient's Home Address

E06_05 Patient's Home City

E06_06 Patient's Home County

E06_07 Patient's Home State

References in NHTSA Version 1

Essential Element 37 Zip Code of Residence

ARIZONA REQUIRED

PATIENT'S HOME COUNTRY

E06_09

Data [combo] single-choice

Definition

The patient's country of citizenship

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Country*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 20

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

- Stored as a FIPS code

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

ARIZONA REQUIRED

SOCIAL SECURITY NUMBER

E06_10

Data [number]

Definition

The patient's social security number

XSD Data Type *xs:string*

XSD Domain (Simple Type) *SocialSecurityNumber*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 9

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Uses

- Key component of an EMS Medical Record

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Desirable Element 39 Social Security Number

ARIZONA REQUIRED

GENDER

E06_11

Data [combo] single-choice

National Element

Definition

The patient's gender

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Gender*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

650 Male

655 Female

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 42 Gender

References to Other Databases

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

ARIZONA REQUIRED

RACE

E06_12

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Race*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

660 American Indian or Alaska Native

665 Asian

670 Black or African American

675 Native Hawaiian or Other Pacific Islander

680 White

685 Other Race

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

References to Other Databases

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

NEMSIS Extended Definitions:

White - A person having origins in any of the original peoples of Europe, the Middle East, or North Africa. It includes people who indicate their race as "White" or indicate heritage such as Irish, German, Italian, Lebanese, Near Easterner, Arab, or Polish.

Black or African American - A person having origins in any of the Black racial groups of Africa. It includes people who indicate their race as "Black, African Am., or Negro," or indicate heritage such as African American, Afro American, Kenyan, Nigerian, or Haitian.

American Indian and Alaska Native - A person having origins in any of the original peoples of North and South America (including Central America) and who maintain tribal affiliation or community attachment.

Asian - A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. It includes "Asian Indian," "Chinese," "Filipino," "Korean," "Japanese," "Vietnamese," and "Other Asian."

Native Hawaiian or Other Pacific Islander - A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other.

Pacific Islands - It includes people who indicate their race as "Native Hawaiian," "Guamanian or Chamorro," "Samoan," and "Other Pacific Islander."

ARIZONA REQUIRED

ETHNICITY

E06_13

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Ethnicity*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

690 Hispanic or Latino

695 Not Hispanic or Latino

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

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

NEMSIS Extended Definitions:

Hispanic or Latino - A person of Cuban, Mexican, Puerto Rican, South or Central American or other Spanish culture or origin regardless of race.

Not Hispanic or Latino - A person not of Cuban, Mexican, Puerto Rican, South or Central American or other Spanish culture or origin regardless of race.

ARIZONA REQUIRED

AGE

E06_14

Data [number]

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *Age*

Multiple Entry Configuration No

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

Required in XSD Yes

Minimum Constraint 1

Maximum Constraint 120

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

Field Values

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.

NEMSIS Extended Definitions:

Calculated from Date of Birth; if DOB not available, ask age; if not possible, then approximate age.

ARIZONA REQUIRED

AGE UNITS

E06_15

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *AgeUnits*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

700 Hours

705 Days

710 Months

715 Years

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E06_14 Age

References in NHTSA Version 1

Desirable Element 41 Age

ARIZONA REQUIRED

DATE OF BIRTH

E06_16

Data [date]

Definition

The patient's date of birth

XSD Data Type *xs:date*

XSD Domain (Simple Type) *DateOfBirth*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

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

Field Values

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E06_01 Last Name

References in NHTSA Version 1

Essential Element 40 Date of Birth

References to Other Databases

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

ARIZONA REQUIRED

Billing

PRIMARY METHOD OF PAYMENT

E07_01

Data [combo] single-choice

National Element

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
5 Not Available	720 Insurance
725 Medicaid	730 Medicare
735 Not Billed (for any reason)	740 Other Government
745 Self Pay	750 Workers Compensation

Uses

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

Data Collector

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

Other Associated Elements

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

NEMSIS Extended Definitions:

Note - This element is not about what insurance the patient has, but rather how your agency will be reimbursed for this incident.

Commercial Insurance - Use this value if this incident will be billed to a commercial insurance plan such as health insurance or auto insurance that is paid for privately by the patient, the patient's family, or the patient's employer (excluding Worker's Compensation).

Medicaid - Use this value if this incident will be billed to Medicaid, the state/federal program that pays for medical assistance for individuals and families with low incomes and resources.

Medicare - Use this value if this incident will be billed to Medicare, the federal health insurance program for people 65 and older, or persons under 65 with certain disabilities.

Not Billed (for any reason) - Use this value if the patient will not be billed at all for this incident.

Other Government (not Medicare, Medicaid, or Worker's Comp) - Use this value if this incident will be billed to a government insurance policy besides Medicare, Medicaid, or Worker's Compensation.

Self Pay / Patient Has No Insurance - Use this value if this incident will be billed to the patient directly, or if the patient has no insurance policy that will pay for this incident.

Worker's Compensation - Use this value if this incident will be billed to Worker's Compensation.

Not Applicable - (e.g.; agency never bills for service or if the call is non-billable).

Not Recorded* - Use this value if this incident will be billed but the type of insurance is not known.

*was "Not Available" in extended NEMSIS definitions, but AZ-PIERS does not accept "Not Available" and NEMSIS protocol is to map to "Not Recorded" in NEMSIS 3.

ARIZONA REQUIRED

CONDITION CODE NUMBER

E07_35

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ConditionCodeNumber*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD Yes **Minimum Constraint** 2 **Maximum Constraint** 30
XSD Structure: E07_35, E07_36 are members of E07_35_0 Condition Codes Structure

Field Values

- | | |
|---|--|
| -25 Not Applicable | -20 Not Recorded |
| -15 Not Reporting | -10 Not Known |
| 5 Not Available | 8001 Severe Abdominal Pain (ALS-789.00) |
| 8002 Abdominal Pain (ALS-789.00) | 8003 Abnormal Cardiac Rhythm/Cardiac Dysrhythmia (ALS-427.9) |
| 8004 Abnormal Skin Signs (ALS-780.8) | 8005 Abnormal Vital Signs (ALS-796.4) |
| 8006 Allergic Reaction (ALS-995.0) | 8007 Allergic Reaction (BLS-692.9) |
| 8008 Blood Glucose (ALS-790.21) | 8009 Respiratory Arrest (ALS-799.1) |
| 8010 Difficulty Breathing (ALS-786.05) | 8011 Cardiac Arrest-Resuscitation in Progress (ALS-427.5) |
| 8012 Chest Pain (non-traumatic) (ALS-786.50) | 8013 Choking Episode (ALS-784.9) |
| 8014 Cold Exposure (ALS-991.6) | 8015 Cold Exposure (BLS-991.9) |
| 8016 Altered Level of Consciousness (non-traumatic) (ALS-780.01) | 8017 Convulsions/Seizures (ALS-780.39) |
| 8018 Eye Symptoms (non-traumatic) (BLS-379.90) | 8019 Non Traumatic Headache (ALS-437.9) |
| 8020 Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1) | 8021 Cardiac Symptoms other than Chest Pain (atypical pain) (ALS-536.2) |
| 8022 Heat Exposure (ALS-992.5) | 8023 Heat Exposure (BLS-992.2) |
| 8024 Hemorrhage (ALS-459.0) | 8025 Infectious Diseases requiring Isolation/Public Health Risk (BLS-038.9) |
| 8026 Hazmat Exposure (ALS-987.9) | 8027 Medical Device Failure (ALS-996.0) |
| 8028 Medical Device Failure (BLS-996.3) | 8029 Neurologic Distress (ALS-436.0) |
| 8030 Pain (Severe) (ALS-780.99) | 8031 Back Pain (non-traumatic possible cardiac or vascular) (ALS-724.5) |
| 8032 Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9) | 8033 Poisons (all routes) (ALS-977.9) |
| 8034 Alcohol Intoxication or Drug Overdose (BLS-305.0) | 8035 Severe Alcohol Intoxication (ALS-977.3) |
| 8036 Post-Operative Procedure Complications (BLS-998.9) | 8037 Pregnancy Complication/Childbirth/Labor (ALS-650.0) |
| 8038 Psychiatric/Behavioral (abnormal mental status) (ALS-292.9) | 8039 Psychiatric/Behavioral (threat to self or others) (BLS-298.9) |
| 8040 Sick Person-Fever (BLS-036.9) | 8041 Severe Dehydration (ALS-787.01) |
| 8042 Unconscious/Syncope/Dizziness (ALS-780.02) | 8043 Major Trauma (ALS-959.8) |
| 8044 Other Trauma (need for monitor or airway) (ALS-518.5) | 8045 Other Trauma (major bleeding) (ALS-958.2) |
| 8046 Other Trauma (fracture/dislocation) (BLS-829.0) | 8047 Other Trauma (penetrating extremity) (BLS-880.0) |
| 8048 Other Trauma (amputation digits) (BLS-886.0) | 8049 Other Trauma (amputation other) (ALS-887.4) |
| 8050 Other Trauma (suspected internal injuries) (ALS-869.0) | 8051 Burns-Major (ALS-949.3) |
| 8052 Burns-Minor (BLS-949.2) | 8053 Animal Bites/Sting/Envenomation (ALS-989.5) |
| 8054 Animal Bites/Sting/Envenomation (BLS-879.8) | 8055 Lightning (ALS-994.0) |
| 8056 Electrocution (ALS-994.8) | 8057 Near Drowning (ALS-994.1) |
| 8058 Eye Injuries (BLS-921.9) | 8059 Sexual Assault (major injuries) (ALS-995.83) |
| 8060 Sexual Assault (minor injuries) (BLS-995.8) | 8061 Cardiac/Hemodynamic Monitoring Required (ALS-428.9) |
| 8062 Advanced Airway Management (ALS-518.81) | 8063 IV Meds Required (ALS-No ICD code provided) |
| 8064 Chemical Restraint (ALS-293.0) | 8065 Suctioning/Oxygen/IV fluids required (BLS-496.0) |
| 8066 Airway Control/Positioning Required (BLS-786.09) | 8067 Third Party Assistance/Attendant Required (BLS-496.0) |
| 8068 Patient Safety (restraints required) (BLS-298.9) | 8069 Patient Safety (monitoring required) (BLS-293.1) |

8070 Patient Safety (seclusion required) (BLS-298.8)

8072 Special Handling (Isolation) (BLS-041.9)

8074 Special Handling (positioning required) (BLS-719.45)

8071 Patient Safety (risk of falling off stretcher) (BLS-781.3)

8073 Special Handling (orthopedic device required) (BLS-907.2)

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E07_36 ICD-9 Code for the Condition Code Number

E01_01 Patient Care Report Number

E07_37 Condition Code Modifier

ARIZONA REQUIRED

CONDITION CODE MODIFIER

E07_37

Data [combo] multiple-choice

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
5 Not Available	1035 A-Interfacility Transport (requires higher level of care)
1036 B-Interfacility Transport (service not available)	1037 C-ALS Response to BLS Patient
1038 D-Medically Necessary Transport (Not Nearest Facility)	1039 E-BLS Transport of ALS Patient
1040 F-Emergency Trauma Dispatch Condition Code (patient is BLS)	1041 Air-A-Long Distance
1042 Air-B-Traffic Precludes Ground Transport	1043 Air-C-Time Precludes Ground Transport
1044 Air-D-Pick up Point not Accessible by Ground Transport	

Additional Information

- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding
- This coding system is character based to match the CMS Modifier Condition Code

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

Scene

INCIDENT LOCATION TYPE

E08_07

Data [combo] single-choice

National Element

Definition

The kind of location where the incident happened

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IncidentLocationType*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

~~5 Not Available~~

1140 Farm

1150 Industrial Place and Premises

1160 Street or Highway

1170 Trade or service (business, bars, restaurants, etc)

1180 Residential Institution (Nursing Home, jail/prison)

1190 Other Location

-20 Not Recorded

~~10 Not Known~~

1135 Home/Residence

1145 Mine or Quarry

1155 Place of Recreation or Sport

1165 Public Building (schools, gov. offices)

1175 Health Care Facility (clinic, hospital, nursing home)

1185 Lake, River, Ocean

AZ-PIERS Additional Values

536000	Airport
--------	---------

536007	Unspecified place
--------	-------------------

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

NEMSIS Extended Definitions:

Home / Residence - Any home, apartment, or residence (not just the patient's home). Includes the yard, driveway, garage, pool, garden, or walk of a home, apartment, or residence. Excludes assisting living facilities.

Farm - A place of agriculture, except for a farmhouse, Includes land under cultivation and non-residential farm buildings.

Mine or Quarry - Includes sand pits, gravel pits, iron ore pits, and tunnels under construction.

Industrial Place and Premises - A place where things are made or are being built, includes construction sites, factories, warehouses, industrial plants, docks, and railway yards.

Place of Recreation or Sport - Includes amusement parks, public parks and playgrounds, sports fields/courts/courses, sports stadiums, skating rinks, gymnasiums, swimming pools, waterparks, and resorts.

Street or Highway - Any public street, road, highway, or avenue including boulevards, sidewalks and ditches.

Public Building (schools, government offices) - Any publicly owned building and its grounds, including schools and government offices.

Trade or Service (business, bars, restaurants, etc.) - Any privately owned building used for business and open to the public. Includes bars, restaurants, office buildings, churches, stores, bus/railway stations. Excludes health care facilities.

Health Care Facility (clinic, hospital) – A place where health care is delivered, includes, clinics, doctor's offices, and hospitals.

Residential Institution (nursing home, assisted living, jail / prison) – A place where people live that is not a private home, apartment, or residence. Includes, nursing homes, assisted living, jail/prison, orphanage, and group homes. (Where assisted living has a medical resource individual available but does not provide patient care on a regular basis.)

Lake, River, Ocean – Any body of water, except swimming pools.

Other Location – Any place that does not fit any of the above categories (this should be very rare).

ARIZONA REQUIRED

INCIDENT CITY

E08_12

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *City*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

E08_11 Incident Address

E08_14 Incident State

E08_15 Incident ZIP Code

References in NHTSA Version 1

Essential Element 02 Incident City

ARIZONA REQUIRED

INCIDENT COUNTY

E08_13

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *County*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 5

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

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

ARIZONA REQUIRED

INCIDENT STATE

E08_14

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 3

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E08_07 Incident Location Type

E08_11 Incident Address

E08_12 Incident City

E08_15 Incident ZIP Code

References in NHTSA Version 1

Essential Element 04 Incident State

References to Other Databases

- NFIRS 5.0 Basic Module 1; Title: State; 2 digit FIPS; Text Field Size = 2

ARIZONA REQUIRED

INCIDENT ZIP CODE

E08_15

Data [text]

National Element

Definition

The ZIP code of the incident location

XSD Data Type *xs:string*

XSD Domain (Simple Type) *Zip*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

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

ARIZONA REQUIRED

Received From Agency ID

IT5_2

Data

Arizona Element

Definition

State ID of agency giving the patient to the current care provider.

NISE Prefix 956

Compatible with E23_11 & E23_09

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

Field Values

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

Uses

Data Collector

Other Associated Elements

Other States that have implemented this data element: Nebraska, Missouri, New Hampshire, Minnesota, Minnesota - ALF, Minnesota - Burnsville, Illinois - Good Samaritan, Maine, Georgia, Wisconsin, California - Oceanside, Oregon - Tillamook, Indiana - Columbus Regional Hospital, Washington, Michigan, Kansas, Oklahoma, New Mexico, Alaska, Idaho, Massachusetts, Vermont, Oregon

ARIZONA REQUIRED

Situation

PRIOR AID

E09_01

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *PriorAid*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 30

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

AZ-PIERS Additional Values - Medications

405	Abciximab (Reopro)	163	Labetolol
156014	Acetaminophen	156011	Lactated Ringers
61	Adenosine	156008	Levalbuterol HCL (Xopenex)
31	Albuterol Sulfate	63	Lidocaine
156000	Alteplase	24	Lorazepam (Ativan)
65	Amiodorone (Cordarone)	131	Magnesium Sulfate
4	Amyl Nitrate	182	Mannitol (Osmitol)
81	Aspirin (ASA)	416	Mark 1 Kit
156001	Atracurium	27	Meperidine (Demerol)
21	Atropine Sulfate	28	Metaproterenol (Alupent)
60	Atrovent (Ipratropium Bromide)	222	Methylprednisolone (Solu-Medrol)
62	Bretylium Tosylate	30	Metoclopramide (Reglan)
8	Bumetanide (Bumex)	350	Metoprolol (Lopressor)
161	Calcium Chloride	122	Midazolam (Versed)
10	Calcium Gluconate	92	Morphine Sulfate
156022	Cetacaine Spray	101	Naloxone (Narcan)
111	Charcoal, activated	42	Neostigmine
156010	D5W (Dextrose 5% in Water)	33	Nifedipine (Adalat, Procardia)
156012	D5W w/ 1/2 Normal Saline	72	Nitroglycerin
12	Dexamethasone (Decadron)	143	Nitronox (Nitrous Oxide)
156003	Dextrose 10% (D10)	68	Nitroprusside
156009	Dextrose 12.5%	156018	Norepinephrine
156002	Dextrose 25% (D25)	404	Normal Saline
171	Dextrose 50% (D50)	93	Nubain
121	Diazepam (Valium)	425	Ondansetron (Zofran)
156004	Digoxin	428	Other Autonomic Nervous System Drug
436	Diltiazem (Cardizem)	426	Other Cardiac Drug
11	Diphenhydramine (Benadryl)	427	Other CNS Drug
300	Dobutamine	429	Other Respiratory Drug
156015	Dolasetron (Anzemet)	9398	Oxygen (non-rebreather mask)
16	Dopamine	12360	Oxygen by Blow By
142	Droperidol (Inapsine)	9397	Oxygen by Mask

156013	DuoNeb (0.5 Atrovent/3.0 Albuterol)	9396	Oxygen by Nasal Cannula
156005	Enoxaparin	910	Oxygen
441	Epinephrine 1:10,000	438	Oxygen by Nebulizer
440	Epinephrine 1:1000	439	Oxygen by Positive Pressure Device
418	Epi-Pen Adult	411	Oxytocin (Pitocin)
419	Epi-Pen Junior	433	Phenylephrine HCl (Neo-Synephrine)
407	Eptifibatide (Integrilin)	434	Phenytoin (Dilantin)
430	Esmolol HCl (Brevibloc)	435	Potassium Cl
141	Etomidate	156019	Pralidoxime (2-PAM, Systemic)
325	Fentanyl	64	Procainamide
413	Flumazenil (Romazicon)	415	Prochlorperazine (Compazine)
132	Furosemide (Lasix)	403	Promethazine HCl (Phenergan)
231	Glucagon	521	Proparacaine (Alcaine)
156023	Glucose (Oral)	402	Racemic Epinephrine
408	Glucose	172	Reactose
156016	Granisetron HCL (Kytril)	410	Rocuronium Bromide (Zemuron)
414	Haloperidol (Haldol)	151	Sodium bicarbonate
51	Heparin	156020	Sodium Nitrate (Cyanide Kit)
437	Hurricane Spray	156021	Sodium Thiosulfate (Cyanide Kit)
431	Hydralazine (Apresoline)	41	Succinylcholine (Anectine)
409	Hydromorphone (Dilaudid)	156006	Tenecteplase
156017	Ibuprofen (Advil, Motrin)	32	Terbutaline (Brethine)
412	Insulin	156007	Tetracaine
201	Ipecac	39	Thiamine
67	Isoproterenol	406	Tirofiban HCL (Aggrastat)
417	IV Antibiotics	401	Vasopressin
432	Ketamine	400	Vecuronium (Norcuron)
38	Ketorolac (Toradol)	66	Verapamil (Isoptin)

AZ-PIERS Additional Values – Procedures

NEMSIS Code	AZ-PIERS Code	Procedure Description
89.820	6130	12 Lead ECG
	6720	ACD Deactivation
	6730	AED-ERU
	6740	AED-First Responder
	6750	AED-Public Access
96.040	6280	Airway - Endotracheal Intubation
96.991	6200	Airway - Intubation Confirm CO2
96.992	6210	Airway - Intubation Confirm Esophageal Detector Device/Bulb (EDD)
96.041	6240	Airway - Nasotracheal Intubation
93.930	6140	Airway - Positive Pressure Ventilation
97.230	6150	Airway-Change Tracheostomy Tube
98.130	6160	Airway-Cleared, Opened, or Heimlich
96.051	6170	Airway-Combitube
93.900	6180	Airway-CPAP

89.391	6195	Airway-ECO2 Monitoring
96.030	6190	Airway-EOA/EGTA
96.010	6220	Airway-Laryngeal Mask
98.131	6225	Airway-Magill Forceps
96.070	6530	Airway-Nasogastric Tube
96.010	6230	Airway-Nasopharyngeal
93.940	6250	Airway-Nebulizer Treatment
31.110	6260	Airway-Needle Cricothyrotomy
96.020	6270	Airway-Oropharyngeal
96.040	6290	Airway-PEEP
96.790	6300	Airway-Rapid Sequence Induction
96.042	6310	Airway-Respirator Operation
93.910	6320	Airway-Suctioning
98.150	6330	Airway-Surgical Cricothyrotomy
31.120	6340	Airway-Ventilator
96.700	6350	Arterial Access/Blood Draw
89.610	6360	Arterial Line Maintenance
38.995	6370	Blood Glucose Analysis
	6760	Burn Care
89.391	6380	Capnography
89.510	6390	Cardiac Monitor
99.623	6400	Cardioversion (Synchronized)
99.640	6410	Carotid Massage
	6770	Cervical Spinal Immobilization - Rigid Collar
	6780	Cervical Spinal Immobilization - Soft Collar
34.041	6420	Chest Decompression
34.042	6790	Chest Tube Placement
73.590	6430	Childbirth
1.181	6440	CNS Catheter-Epidural Maintenance
1.182	6450	CNS Catheter-Intraventricular
99.810	6800	Cold Pack
99.601	154001	CPR by Automated Device
99.600	6460	CPR -Cardiopulmonary Resuscitation
99.625	6470	Defibrillation - Placement for Monitoring/Analysis
99.621	6480	Defibrillation-Automated (AED)
99.622	6490	Defibrillation-Manual
99.624	6500	External Cardiac Pacing
100.200	6510	Extrication
93.350	6810	Hot Pack
	6820	Isolation Procedures
93.580	6520	MAST
	6830	Other
37.000	6840	Pericardiocentesis
100.100	6550	Rescue
99.841	6560	Restraints-Pharmacological
99.842	6570	Restraints-Physical

93.591	6580	Spinal Immobilization
	6581	Spinal Immobilization - K.E.D.
	6582	Spinal Immobilization - Long Back Board
	154000	Spinal Immobilization - Standing Take-Down
93.540	6590	Splinting
93.450	6600	Splinting-Traction
	6850	Stretcher
	6610	Urinary Catheterization
99.641	6860	Valsalva Maneuver
38.990	6620	Venous Access-Blood Draw
38.991	6630	Venous Access-Existing Catheter/IV Monitoring
38.993	6650	Venous Access-External Jugular Line
38.992	6640	Venous Access-Extremity
38.994	6660	Venous Access-Femoral Line
41.920	6670	Venous Access-Intraosseous Adult
41.921	6680	Venous Access-Intraosseous Pediatric
89.620	6690	Venous Access-Maintain Central Line
89.640	6700	Venous Access-Swan Ganz Maintain
93.057	6710	Wound Care
	6711	Wound Care - Burn Care
	6712	Wound Care - Pressure Dressing

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 58 Time of First CPR

References to Other Databases

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

Optional, but **Required for Cardiac**

Captures aid like bystander CPR

PRIOR AID PERFORMED BY

E09_02

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PriorAidPerformedBy*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

1195 EMS Provider

1200 Law Enforcement

1205 Lay Person

1210 Other Healthcare Provider

1215 Patient

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

NEMSIS Extended Definitions:

EMS Provider – Any dispatched responder who provides pre-hospital medical care.

Law Enforcement – Officer who's primary role is not to provide pre-hospital medical care.

Lay Person – An individual without formal medical training with no duty to respond to the incident.

Other Healthcare Provider – Physician, Registered Nurse or other person, not dispatched, that indicates they work in a healthcare related field.

Patient – Person needing emergency medical services treatment or transportation.

Optional, Required for Cardiac

Captures aid like bystander CPR

POSSIBLE INJURY

E09_04

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

~~-10 Not Known~~

~~5 Not Available~~

0 No

1 Yes

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

ARIZONA REQUIRED

PRIMARY SYMPTOM

E09_13

Data [combo] single-choice

National Element

Definition

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

XSD Data Type xs:integer

XSD Domain (Simple Type) PrimarySymptom

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

~~5~~ Not Available

1410 Breathing Problem

1420 Choking

1430 Device/Equipment Problem

1440 Drainage/Discharge

1450 Malaise

1460 Mental/Psych

1470 None

1480 Palpitations

1490 Swelling

1500 Weakness

-20 Not Recorded

~~10~~ Not Known

1405 Bleeding

1415 Change in responsiveness

1425 Death

1435 Diarrhea

1445 Fever

1455 Mass/Lesion

1465 Nausea/Vomiting

1475 Pain

1485 Rash/Itching

1495 Transport Only

1505 Wound

AZ-PIERS Additional Values

567000	Abdominal Pain
567001	Back Pain
567002	Bright Red Blood in Stool
567003	CardioRespiratory Arrest
567004	Chest Pain
567005	Dizziness
567006	Ear Pain
567007	Eye Pain
567008	Other
567009	Paralysis
567010	Seizure/Convulsions
567011	Syncope
567012	Unresponsive/Unconscious
567013	Vaginal Hemorrhage
567014	Dark/Tarry Stool (Melena)
567015	Headache
567016	Visual Impairment or Loss of Vision

567017	Cough
567018	Orthostatic Hypotension
567019	Headache w/ Photophobia
567020	Hematemesis
567021	Aphasia
567022	Anxiety
567024	Hives
567025	Indigestion
567026	Lethargic
567027	Pain - Extremity
567028	Pain - Flank
567029	Pain - Neck
567030	Wheezing
567037	Obstetrics - Contractions
567038	Constipation
567039	Loss of Appetite
567040	Change in Stool Color

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

NEMSIS Extended Definitions:

Bleeding – Active, Inactive, Internal or External.

Device / Equipment Problem – Patient device (i.e., ICD, Implantable Defibrillator, Insulin Pump, Portacath, Central Line, etc.).

Malaise – General non-specific feeling of illness.

Palpitations – The sensation of a rapidly or irregularly beating heart; fluttering, pounding racing, skipping a beat, jumping around in the chest.

Wound – A type of physical trauma wherein the skin is torn, cut or punctured (i.e., an open wound). This field value is not defined as blunt force trauma causing, for example, a contusion (i.e., a closed wound).

Transport Only – The patient presents with no identifiable injury or illness.

ARIZONA REQUIRED

OTHER ASSOCIATED SYMPTOMS

Data [combo] multiple-choice

National Element

Definition

Other symptoms identified by the patient or observed by EMS personnel

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

Field Values

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

AZ-PIERS Additional Values

568000	Abdominal Pain
568001	Back Pain
568002	Bright Red Blood in Stool
568003	CardioRespiratory Arrest
568004	Chest Pain
568005	Dizziness
568006	Ear Pain
568007	Eye Pain
568008	Other
568009	Paralysis
568010	Seizure/Convulsions
568011	Syncope
568012	Unresponsive/Unconscious
568013	Vaginal Hemorrhage
568014	Dark/Tarry Stool (Melena)
568015	Headache
568016	Visual Impairment or Loss of Vision

568017	Cough
568018	Orthostatic Hypotension
568019	Headache w/ Photophobia

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

NEMSIS Extended Definitions:

Bleeding – Active, Inactive, Internal or External.

Device / Equipment Problem – Patient device (i.e., ICD, Implantable Defibrillator, Insulin Pump, Portacath, Central Line, etc.).

Malaise – General non-specific feeling of illness.

Palpitations – The sensation of a rapidly or irregularly beating heart; fluttering, pounding racing, skipping a beat, jumping around in the chest.

Wound – A type of physical trauma wherein the skin is torn, cut or punctured (i.e., an open wound). This field value is not defined as blunt force trauma causing, for example, a contusion (i.e., a closed wound).

Transport Only – The patient presents with no identifiable injury or illness.

ARIZONA REQUIRED

PROVIDERS PRIMARY IMPRESSION

E09_15

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ProvidersPrimaryImpression*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

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

AZ-PIERS Additional Values

569000	Abdominal Aortic Aneurysm
569001	Asthma
569002	Bowel Obstruction
569003	Cancer
569004	CHF (Congestive Heart Failure)
569005	TIA (Transient Ischemic Attack)
569006	Dehydration
569007	Diabetic Hyperglycemia
569008	ETOH Abuse
569009	G.I. Bleed
569010	Headache
569011	Heat Exhaustion/Stroke
569012	Hypertension
569013	Hypotension
569014	OB/Delivery
569015	Other
569016	Other Abdominal/GI Problem
569017	Other Cardiovascular Problem
569018	Other CNS Problem
569019	Other Endocrine/Metabolic Problem
569021	Other GU Problems

569023	Other OB/Gyn
569024	Pain
569025	Substance/Drug Abuse
569026	Toxic Exposure
569027	Unconscious
569028	Unknown Problem
569029	Sepsis
569030	COPD (Emphysema/Chronic Bronchitis)
569031	General Malaise
569032	Weakness
569033	No Apparent Illness/Injury
569034	Fever
569035	Nausea/Vomiting (Unknown Etiology)
569036	Patient Assist Only
569037	Back Pain (Non-Traumatic)
569038	Diarrhea
569039	Migraine
569040	Epistaxis (Non-Traumatic)
569207	Pneumonia
569274	Displaced Fracture: Closed
569275	Displaced Fracture: Open

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements**E00** Common Null Values**E01_01** Patient Care Report Number**References in NHTSA Version 1**

Essential Element 50 Providers Impression

References to Other Databases

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

ARIZONA REQUIRED

PROVIDER'S SECONDARY IMPRESSION

E09_16

Data [combo] single-choice

National Element

Definition

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

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

Field Values

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

AZ-PIERS Additional Values

570000	Abdominal Aortic Aneurysm
570001	Asthma
570002	Bowel Obstruction
570003	Cancer
570004	CHF (Congestive Heart Failure)
570005	TIA (Transient Ischemic Attack)
570006	Dehydration
570007	Diabetic Hyperglycemia
570008	ETOH Abuse
570009	G.I. Bleed
570010	Headache
570011	Heat Exhaustion/Stroke
570012	Hypertension
570013	Hypotension
570014	OB/Delivery
570015	Other
570016	Other Abdominal/GI Problem
570017	Other Cardiovascular Problem
570018	Other CNS Problem
570019	Other Endocrine/Metabolic Problem
570021	Other GU Problems

570023	Other OB/Gyn
570024	Pain
570025	Substance Drug Abuse
570026	Toxic Exposure
570027	Unconscious
570028	Unknown Problem
570029	Sepsis
570030	COPD (Emphysema/Chronic Bronchitis)
570031	General Malaise
570032	Weakness
570033	No Apparent Illness/Injury
570034	Fever
570035	Nausea/Vomiting (Unknown Etiology)
570036	Patient Assist Only
570037	Back Pain (Non-Traumatic)
570038	Diarrhea
570039	Migraine
570040	Epistaxis (Non-Traumatic)
570207	Pneumonia
570274	Displaced Fracture: Closed
570275	Displaced Fracture: Open

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 50 Providers Impression

ARIZONA REQUIRED

Situation/ Trauma

CAUSE OF INJURY

E10_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type xs:integer

XSD Domain (Simple Type) CauseOfInjury

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

-25 Not Applicable

-15 Not Reporting

-5 Not Available

9500 Aircraft related accident (E84X.0)

9515 Chemical poisoning (E86X.0)

9525 Drowning (E910.0)

9535 Electrocution (non-lightning) (E925.0)

9545 Excessive Heat (E900.0)

9555 Fire and Flames (E89X.0)

9565 Firearm injury (accidental) (E985.0)

9575 Lightning (E907.0)

9585 Mechanical Suffocation (E913.0)

9595 Motor Vehicle traffic accident (E81X.0)

9605 Non-Motorized Vehicle Accident (E848.0)

9615 Radiation exposure (E926.0)

9625 Smoke Inhalation (E89X.2)

9635 Stabbing/Cutting Assault (E966.0)

9645 Venomous stings (plants, animals) (E905.0)

-20 Not Recorded

-10 Not Known

1885 Bites (E906.0)

9505 Bicycle Accident (E826.0)

9520 Child battering (E967.0)

9530 Drug poisoning (E85X.0)

9540 Excessive Cold (E901.0)

9550 Falls (E88X.0)

9560 Firearm assault (E965.0)

9570 Firearm self inflicted (E955.0)

9580 Machinery accidents (E919.0)

9590 Motor Vehicle non-traffic accident (E82X.0)

9600 Motorcycle Accident (E81X.1)

9610 Pedestrian traffic accident (E814.0)

9620 Rape (E960.1)

9630 Stabbing/Cutting Accidental (E986.0)

9640 Struck by Blunt/Thrown Object (E968.2)

9650 Water Transport accident (E83X.0)

AZ-PIERS Additional Values

580000	Assault
580001	ATV Rider
580002	Caught in/between Objects
580003	Cut/Pierce
580004	Explosion
580005	Foreign body entering eye/orifice
580006	Hot Object/Substance
580007	Motor Vehicle vs Pedestrian Accident

580009	Other Injury
580010	Overexertion
580012	Snowmobile Accident
580014	Struck by or Against
580015	Unarmed Fight/Brawl
580017	Motor Vehicle vs Large Animal
580019	Neglect/Malnutrition
580020	Housing/Dangerous Condition

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 49 Cause of Injury

References to Other Databases

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

NEMESIS Extended Definitions:

Motor vehicle traffic accident - Includes any motor vehicle incident occurring on a public road or highway. Public road or highway includes any road open to the use of the public for purposes of vehicular traffic as a matter of right or custom.

Motor vehicle non-traffic accident - Includes any motor vehicle incident occurring entirely off public roadways or highways. For instance an incident involving an All Terrain Vehicle (ATV) in an off the road location would be counted under this sub-category.

Pedestrian Traffic Accident - Includes responses in which a motor vehicle/pedestrian incident occurs on a public road or highway where the pedestrian was injured. Includes individuals on skates, in baby carriages, in wheelchairs, on skateboards, etc.

Bicycle Accident - Includes bicycle-related incidents not involving a motorized vehicle.

Water Transport - Includes all incidents related to a watercraft. Excludes drowning incidents unless they are related to watercraft use. Thus, if a person falls out of a boat and drowns, it should be counted within this category. If a person drowns in a swimming pool or bathtub, it should be counted under "Drowning".

Aircraft Related Crash - Excludes spacecraft.

Drug Poisoning - Includes poisoning by drugs, medicinal substances, or biological products.

Chemical Poisoning - Includes poisoning by solid or liquid substances, gases, and vapors, which are not included under "Drug Poisoning".

Falls - Excludes falls which occur in the context of other external causes of injury such as fire, or falling in incidents involving Machinery. These types of injuries should be coded as such.

Fire and Flames - Includes burning by fire, asphyxia or poisoning from conflagration or ignition, and fires secondary to explosions. Excludes injuries related to Machinery, and vehicle related incidents, which should be counted under their respective sub-categories.

Smoke Inhalation - Includes smoke and fume inhalation from conflagration.

Excessive Heat - Includes thermal injuries related to weather or heat produced by man, such as in a boiler room or factory. Excludes heat injury from conflagration, this should be counted under Fire and Flames.

Excessive Cold - Includes cold injury due to weather exposure, or cold produced by man, such as in a freezer.

Venomous Stings (Plant, Animals) - Includes stings from spiders, scorpions, insects, marine life or plants. Excludes "bites" and should be coded as such.

Bites - Includes bites (e.g., dogs, snakes and lizards, etc.). Excludes venomous stings which should be coded as such.

Lightning - Excludes falling off an object secondary to lightning and injuries from fire secondary to lightning.

Drowning - Includes responses to drowning/near drowning that are not related to watercraft use. Includes swimming and snorkeling incidents, bathtubs, hot tubs, holding ponds, buckets, etc.

Mechanical Suffocation - Includes suffocation in bed or cradle (crib death), closed space suffocation, plastic bag, hanging, etc.

Machinery Accidents - Includes responses in which machinery in operation was involved.

Electrocution (Non-Lightning) - Includes responses in which an incident related to electric current from exposed wire, faulty appliance, high voltage cable, live rail, or open electric socket. Excludes electrocution by lightning.

Radiation Exposure - Excludes complications of radiation therapy.

Rape - This sub-category should be entered in all instances where there was sufficient suspicion by the EMS responder that the responder would be required by law to report the case to authorities as a suspected case of rape.

Stabbing Assault - Includes reported cuts, punctures, or stabs to any part of the body.

Child Battering - Includes all forms of suspected child battering. This subcategory should be entered in all instances where there was sufficient suspicion by the EMS responder that the responder would be required by law to report the case to authorities as a suspected case of child abuse.

ARIZONA REQUIRED

INTENT OF THE INJURY

E10_02

Data [combo] single-choice

Definition

The intent of the individual inflicting the injury

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IntentOfInjury*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

2020 Intentional, Other (Assaulted)

2025 Intentional, Self

2030 Unintentional

AZ-PIERS Additional Values

581004	Legal intervention (injured during law enforcement)
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Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 54 Injury Intent

References to Other Databases

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

ARIZONA REQUIRED

MECHANISM OF INJURY

E10_03

Data [combo] multiple-choice

Definition

The mechanism of the event which caused the injury.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *MechanismOfInjury*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

2035 Blunt

2040 Burn

2045 Other

2050 Penetrating

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

ARIZONA REQUIRED

VEHICULAR INJURY INDICATORS

E10_04

Data [combo] multiple-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

AREA OF THE VEHICLE IMPACTED BY THE COLLISION

E10_05

Data [combo] multiple-choice

Definition

The area or location of impact on the vehicle

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
5 Not Available	2100 Center Front
2105 Center Rear	2110 Left Front
2115 Left Rear	2120 Left Side
2125 Right Front	2130 Right Rear
2135 Right Side	2140 Roll Over

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

SEAT ROW LOCATION OF PATIENT IN VEHICLE

E10_06

Data [text]

Definition

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

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

Field Values

- If a value of 50 is passed, the location is designated "Cargo Area"

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E10_07 Position of Patient in the Seat of the Vehicle

ARIZONA REQUIRED

POSITION OF PATIENT IN THE SEAT OF THE VEHICLE

E10_07

Data [combo] single-choice

Definition

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

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

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

Required in XSD No

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

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~5~~ Not Available

2150 Left (non-driver)

2160 Other

~~-20~~ Not Recorded

~~-10~~ Not Known

2145 Driver

2155 Middle

2165 Right

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E10_06 Seat Row Location of Patient in Vehicle

ARIZONA REQUIRED

USE OF OCCUPANT SAFETY EQUIPMENT

E10_08

Data [combo] multiple-choice

Definition

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

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

Field Values

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

AZ-PIERS Additional Values

587005	Protective Safety Belt
--------	------------------------

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Essential Element 55 Safety Equipment

References to Other Databases

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

ARIZONA REQUIRED

AIRBAG DEPLOYMENT

E10_09

Data [combo] multiple-choice

Definition

Indication of Airbag deployment during the motor vehicle crash.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *AirbagDeployment*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

2215 No Airbag Present

2220 No Airbag Deployed

2225 Airbag Deployed Front

2230 Airbag Deployed Side

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 55 Safety Equipment

References to Other Databases

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

ARIZONA REQUIRED

HEIGHT OF FALL

E10_10

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *HeightOfFall*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 1

Maximum Constraint 50,000

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

ARIZONA REQUIRED

Motor Vehicle Type

Data int

Arizona Element

Definition

Indicator of the type of vehicle involved in an MVC.

NISE Prefix 960

Compatible with E23_11 & E23_09

XSD Data Type

XSD Domain (Simple Type)

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

960006 ATV

960000 Car

960003 Semi

960010 SUV – Compact

960011 SUV – Midsize

960002 Van

~~-20~~ Not Recorded

~~-10~~ Not Known

960009 Aircraft

960004 Bus

960005 Motorcycle

960007 Snowmobile

960012 SUV - Fullsize

960001 Truck

960008 Watercraft

Uses

Data Collector

Other Associated Elements

Optional

Trauma Triage Criteria

IT11_1

Data

Arizona Element

Definition

(Priority 1, 2 or 3) assigned to a patient that is a scoring summarizing the patient status. The scoring considers the patient condition, physiological and anatomical injuries and mechanism of injury. Select all that apply.

NISE Prefix 310

Compatible with E23_11 & E23_09

XSD Data Type

XSD Domain (Simple Type)

Multiple Entry Configuration Yes
Required in XSD

Accepts Null Values Yes

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~5~~ Not Available

~~-20~~ Not Recorded

~~-10~~ Not Known

310001 Amputation proximal to wrist or ankle

310002 Blunt Trauma (no hemodynamic trauma)

310003 BSA < 10%

310004 BSA >= 10%

310005 Flail Chest

310006 GCS

310007 GCS improving

310008 Hemodynamic compromise from trauma

310009 Minor Injuries

310010 Open or depressed skull fracture

310011 Other single system injury

310012 Paralysis resulting from trauma

310013 Penetrating injuries to extremities

310014 Penetrating injury to trunk, neck, or head

310015 PTS

310016 Respiratory compromise resulting from trauma

310017 Two or more proximal long bone fractures

310018 Unstable Pelvis

310019 Mechanism: Death of same car occupant

310020 Mechanism: Patient ejected from enclosed vehicle

310021 Mechanism: Heavy extrication time (>20 minutes)

310022 Comorbid: Age (55)

310023 Comorbid: Bleeding disorder or on anti-coagulants

310024 Comorbid: Cardiac/respiratory disease, diabetes, cirrhosis, or morbid obesity

310025 Comorbid: Pregnancy

310027 Comorbid: Presence of intoxicants

310026 Comorbid: Immunosuppressed

310029 Comorbid: Other (specify in narrative)

310028 Comorbid: Paramedic discretion

310030 High Energy: Fall > 20 feet

310031 High Energy: Pedestrian hit at 20 mph or thrown 15 feet

310032 High Energy: Rollover

310033 High Energy: MC, ATV, Bicycle crash

310034 High Energy: Impact / Significant intrusion

310035 Hemorrhage from a Great Vessel

310036 Multiple Victims

310037 Drowning or Near Drowning

310038 Hypothermic with Core Temp

Uses

Data Collector

Other Associated Elements

Optional

Situation/ CPR

CARDIAC ARREST

E11_01

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CardiacArrest*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

0 No

2240 Yes, Prior to EMS Arrival

2245 Yes, After EMS Arrival

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

ARIZONA REQUIRED

CARDIAC ARREST ETIOLOGY

E11_02

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CardiacArrestEtiology*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

2250 Presumed Cardiac

2255 Trauma

2260 Drowning

2265 Respiratory

2270 Electrocutation

2275 Other

AZ-PIERS Additional Values

601000	SIDS (Suspected)
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Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References to Other Databases

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

ARIZONA REQUIRED

RESUSCITATION ATTEMPTED

E11_03

Data [combo] multiple-choice

National Element

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

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

ARIZONA REQUIRED

ARREST WITNESSED BY

E11_04

Data [combo] single-choice

Definition

Indication of who the cardiac arrest was witnessed by

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ArrestWitnessedBy*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

2310 Witnessed by Healthcare Provider

2315 Witnessed by Lay Person

2320 Not Witnessed

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Desirable Element 62 Witness of Cardiac Arrest

References to Other Databases

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

ARIZONA REQUIRED

FIRST MONITORED RHYTHM OF THE PATIENT

E11_05

Data [combo] single-choice

Definition

Documentation of what the first monitored rhythm which was noted

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

Field Values

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

AZ-PIERS Additional Values

604000	Paced Rhythm
--------	--------------

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References to Other Databases

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

ARIZONA REQUIRED

ANY RETURN OF SPONTANEOUS CIRCULATION

E11_06

Data [combo] single-choice

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	2380 No
2370 Yes, Prior to ED Arrival Only	2375 Yes, Prior to ED Arrival and at the ED

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 64 Return of Spontaneous Circulation

References to Other Databases

- **UTSTEIN** Title: Any Return of Spontaneous Circulation (ROSC); [combo] Yes = Y, No = No, U = Unknown

ARIZONA REQUIRED

DATE/TIME RESUSCITATION DISCONTINUED

E11_09

Data [date/time]

Definition

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

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration No

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

Required in XSD No

Minimum Constraint 1,990

Maximum Constraint 2,030

Field Values

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

ARIZONA REQUIRED

REASON CPR DISCONTINUED

E11_10

Data [combo] single-choice

Definition

The reason that CPR or the resuscitation efforts were discontinued.

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

Stemi Triage Criteria

IT12_1

Data

Arizona Element

Definition

ST Segment Elevation Myocardial Infarction (STEMI): EMS providers play a vital role with the initial data and tracking of STEMI patients. Data and tracking is important for the EMS Agency to determine if the correct care is being given to the patients.

NISE Prefix 320

Compatible with E23_11 & E23_09

XSD Data Type

Multiple Entry Configuration No

Required in XSD

XSD Domain (Simple Type)

Accepts Null Values Yes

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

0 No

-20 Not Recorded

~~-10~~ Not Known

1 Yes

Uses

Data Collector

Other Associated Elements

ARIZONA REQUIRED

Stemi 12 Lead Used

IT12_2

Data

Arizona Element

Definition

One part of a complete assessment for a patient with chest pain/discomfort or suspected of having an acute cardiac event is obtained by using a 12 Lead ECG.

NISE Prefix 321

Compatible with E23_11 & E23_09

XSD Data Type

Multiple Entry Configuration No

Required in XSD

XSD Domain (Simple Type)

Accepts Null Values Yes

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

0 No

-20 Not Recorded

~~-10~~ Not Known

1 Yes

Uses

Data Collector

Other Associated Elements

ARIZONA REQUIRED

Medical History

BARRIERS TO PATIENT CARE

E12_01

Data [combo] multiple-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *BarriersToPatientCare*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

2600 Developmentally Impaired

2605 Hearing Impaired

2610 Language

2615 None

2620 Physically Impaired

2625 Physically Restrained

2630 Speech Impaired

2635 Unattended or Unsupervised (including minors)

2640 Unconscious

AZ-PIERS Additional Values

620000	Combative patient
--------	-------------------

	Obesity
--	---------

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

ARIZONA REQUIRED

MEDICATION ALLERGIES

E12_08

Data [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 Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

Additional Information

- 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

ARIZONA REQUIRED

ENVIRONMENTAL/FOOD ALLERGIES

E12_09

Data [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 Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-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

ARIZONA REQUIRED

MEDICAL/SURGICAL HISTORY

E12_10

Data [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 Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

Additional Information

- 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

ARIZONA REQUIRED

MEDICAL HISTORY OBTAINED FROM

E12_11

Data [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 Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-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

ARIZONA REQUIRED

CURRENT MEDICATIONS

E12_14

Data [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 Values** 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

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

ARIZONA REQUIRED

ALCOHOL/DRUG USE INDICATORS

E12_19

Data [combo] multiple-choice

National Element

Definition

Indicators for the potential use of Alcohol or Drugs by the patient.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *AlcoholDrugUseIndicators*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

~~2985~~ Smell of Alcohol on Breath

2990 Patient Admits to Alcohol Use

2995 Patient Admits to Drug Use

3000 Alcohol and/or Drug Paraphernalia at Scene

3001 None

AZ-PIERS Additional Values

638000	Patient Denies Alcohol/Drug Use
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Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 57 Suspected Alcohol/Drug Use

References to Other Databases

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

ARIZONA REQUIRED

Narrative

RUN REPORT NARRATIVE

E13_01

Data [text]

Definition

The narrative of the run report

XSD Data Type *xs:string*

XSD Domain (Simple Type) *RunReportNarrative*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 4,000

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

Additional Information

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

Uses

- Part of an EMS Medical Record

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

ARIZONA REQUIRED

Assessment/ Vital Signs

DATE/TIME VITAL SIGNS TAKEN

E14_01

Data [date/time]

Definition

Date/Time Vital Signs Taken

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

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

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

Field Values

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

ARIZONA REQUIRED

OBTAINED PRIOR TO THIS UNITS EMS CARE

E14_02

Data [combo] single-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD No

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

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

ARIZONA REQUIRED

CARDIAC RHYTHM

E14_03

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *CardiacRhythm*

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

Required in XSD No

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

Field Values

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

AZ-PIERS Additional Values

653000	Atrial Flutter
653001	S-T Segment Depression
653002	S-T Segment Elevation

653003	PJC - Premature Junctional Contractions
653004	12 Lead ECG-Septal Ischemia
653005	Paroxysmal Supraventricular Tachycardia

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

References in NHTSA Version 1

Desirable Element 66 Initial Cardiac Rhythm

ARIZONA REQUIRED

SBP (SYSTOLIC BLOOD PRESSURE)

E14_04

Data [number]

Definition

The patient's systolic blood pressure

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *SBP*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 400

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

Field Values

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

ARIZONA REQUIRED

DBP (DIASTOLIC BLOOD PRESSURE)

E14_05

Data [number]

Definition

The patient's diastolic blood pressure

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *DBP*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 200

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

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

ARIZONA REQUIRED

PULSE RATE

E14_07

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PulseRate*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

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

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

ARIZONA REQUIRED

PULSE OXIMETRY

E14_09

Data [number]

Definition

The patient's oxygen saturation

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PulseOximetry*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

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

Field Values

Additional Information

- Could be collected from Device Pulse Oximetry (E21_17)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

ARIZONA REQUIRED

RESPIRATORY RATE

E14_11

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *RespiratoryRate*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

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

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

ARIZONA REQUIRED

RESPIRATORY EFFORT

E14_12

Data [text]

Definition

The patient's respiratory effort

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *RespiratoryEffort*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD No

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

3185 Normal

3190 Labored

3195 Fatigued

3200 Absent

3205 Not Assessed

AZ-PIERS Additional Values

662000	Agonal
662001	Assisted

662002	Shallow
--------	---------

Uses

- Part of an 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

ARIZONA REQUIRED

End-tidal or Other CO2 Level (Also called "CARBON DIOXIDE")

E14_13

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) CO2

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes, but null value is blank or

empty

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

ARIZONA REQUIRED

BLOOD GLUCOSE LEVEL

E14_14

Data [number]

Definition

The patient's blood glucose level

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *BloodGlucoseLevel*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 2,000

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

Field Values

Uses

- Part of an 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

ARIZONA REQUIRED

- important for Stroke and Suspected Stroke

GLASGOW COMA SCORE-EYE

E14_15

Data [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 Values 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

ARIZONA REQUIRED

GLASGOW COMA SCORE-VERBAL

E14_16

Data [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 Values 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

- 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 appropriately

- 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
- 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

ARIZONA REQUIRED

GLASGOW COMA SCORE-MOTOR

E14_17

Data [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 Values Yes, but null value is blank or empty

Required in XSD No

Minimum Constraint 1

Maximum Constraint 6

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

Field Values

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

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E14_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

ARIZONA REQUIRED

GLASGOW COMA SCORE-QUALIFIER

E14_18

Data [combo] single-choice

Definition

Documentation of factors which make the GCS score more meaningful.

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *GCSQualifier*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

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

~~-20~~ Not Recorded
~~-10~~ Not Known

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

3215 Patient Chemically Sedated

3220 Patient Intubated

3225 Patient Intubated and Chemically Paralyzed

Additional Information

- Can be configured as a single choice list box

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

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_19 Total Glasgow Coma Score

ARIZONA REQUIRED

TOTAL GLASGOW COMA SCORE

E14_19

Data [number]

Definition

The patient's total Glasgow Coma Score

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TotalGCS*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 1

Maximum Constraint 15

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

Field Values

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)

ARIZONA REQUIRED

TEMPERATURE

E14_20

Data [number]

Definition

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

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *BodyTemperature*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 50

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

Field Values

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

E14_21 Temperature Method

ARIZONA REQUIRED

LEVEL OF RESPONSIVENESS

E14_22

Data [combo] single-choice

Definition

The patients level of responsiveness

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

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

Required in XSD No

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

3255 Alert

3260 Verbal

3265 Painful

3270 Unresponsive

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

ARIZONA REQUIRED

PAIN SCALE

E14_23

Data [number]

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PainScale*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

Minimum Constraint 0

Maximum Constraint 10

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

Field Values

Additional Information

- Number from 0 to 10

Uses

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

Data Collector

- EMS agency

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

ARIZONA REQUIRED

STROKE SCALE

E14_24

Data [combo] single-choice

Definition

The patient's Los Angeles or Cincinnati Stroke Scale Results

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *StrokeScale*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

Stroke Scale Speech

IT13_11

Data int (null)

Arizona Element

Definition

NISE Prefix 350

NOT Compatible with E23_11 & E23_09

XSD Data Type int (null)

XSD Domain (Simple Type)

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

350001 Normal

350002 Abnormal

Uses

Data Collector

Other Associated Elements

Additional Information Unavailable for 3rd party software users until October 2013. Required for all users January 2014.

ARIZONA REQUIRED

- Important for Stroke Patients and Potential Stroke Patients.

Stroke Scale Facial Droop

IT13_12

Data int (null)

Arizona Element

Definition

NISE Prefix 351

NOT Compatible with E23_11 & E23_09

XSD Data Type int (null)

XSD Domain (Simple Type)

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

351001 Normal

351002 Abnormal

Uses

Data Collector

Other Associated Elements

Additional Information Unavailable for 3rd party software users until October 2013. Required for all users January 2014.

ARIZONA REQUIRED

- Important for Stroke Patients and Potential Stroke Patients.

Stroke Scale Arm Drift

IT13_13

Data int (null)

Arizona Element

Definition

NISE Prefix 352

NOT Compatible with E23_11 & E23_09

XSD Data Type int (null)

XSD Domain (Simple Type)

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

352001 Normal

352002 Abnormal

Uses

Data Collector

Other Associated Elements

Additional Information Unavailable for 3rd party software users until October 2013. Required for all users January 2014.

ARIZONA REQUIRED

- Important for Stroke Patients and Potential Stroke Patients.

APGAR

E14_26

Data [number]

Definition

The patient's total APGAR score (0-10). Recommended to be taken at 1 and 5 minutes after the infants birth

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *APGAR*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 10

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

Field Values

Additional Information

- Apgar score could be configured as a single choice combo box with values from 0 -10
- Color: 0 = Blue, Pale, 1 = Body Pink, Extremities Blue, 2 = Pink
- Heart Rate: 0 = Absent, 1 = <100, 2 = >100
- Muscle Tone: 0 = Limp, 1 = Some Flexion, 2 = Good Flexion
- Reflex Irritability (when feet stimulated): 0 = No Response, 1 = Some Motion, 2 = Cry
- Respiratory Effort: 0 = Absent, 1 = Weak Cry, 2 = Strong Cry
- The appropriate number for each of the 5 components should be added together

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E14_01 Date/Time Vital Signs Taken

ARIZONA REQUIRED

- Only required for Infants

REVISED TRAUMA SCORE

E14_27

Data [number]

Definition

The patient's Revised Trauma Score

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *RTS*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

Minimum Constraint 0

Maximum Constraint 12

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

Field Values

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

Optional

Assessment/ Injury

NHTSA INJURY MATRIX EXTERNAL/SKIN

E15_01

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

695000	Abrasions
695001	Avulsion
695002	Crepitus
695003	Deformity
695004	Ecchymosis
695005	Foreign Body

695006	Pain/tenderness
695007	Burn Redness
695008	Burn Blistering
695009	Burn Charring
695010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX HEAD

E15_02

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

696000	Abrasions
696001	Avulsion
696002	Crepitus
696003	Deformity
696004	Ecchymosis
696005	Foreign Body

696006	Pain/tenderness
696007	Burn Redness
696008	Burn Blistering
696009	Burn Charring
696010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

ARIZONA REQUIRED

NHTSA INJURY MATRIX FACE

E15_03

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

697000	Abrasions
697001	Avulsion
697002	Crepitus
697003	Deformity
697004	Ecchymosis
697005	Foreign Body
697006	Pain/tenderness

697007	Burn Redness
697008	Burn Blistering
697009	Burn Charring
697010	Burn White/Waxy
697011	Burns to Airway
697012	Soot in Airway

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

ARIZONA REQUIRED

NHTSA INJURY MATRIX NECK

E15_04

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Neck

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

698000	Abrasions
698001	Avulsion
698002	Crepitus
698003	Deformity
698004	Ecchymosis
698005	Foreign Body

698006	Pain/tenderness
698007	Burn Redness
698008	Burn Blistering
698009	Burn Charring
698010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX THORAX

E15_05

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

-25 Not Applicable

-15 Not Reporting

~~5 Not Available~~

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

-20 Not Recorded

~~10 Not Known~~

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

699000	Abrasions
699001	Avulsion
699002	Crepitus
699003	Deformity
699004	Ecchymosis
699005	Foreign Body
699006	Pain/tenderness

699007	Burn Redness
699008	Burn Blistering
699009	Burn Charring
699010	Burn White/Waxy
699011	Flail Segment-Left
699012	Flail Segment-Right

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX ABDOMEN

E15_06

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

700000	Abrasions
700001	Avulsion
700002	Crepitus
700003	Deformity
700004	Ecchymosis
700005	Foreign Body

700006	Pain/tenderness
700007	Burn Redness
700008	Burn Blistering
700009	Burn Charring
700010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX SPINE

E15_07

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Spine

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

701000	Abrasions
701001	Avulsion
701002	Crepitus
701003	Deformity
701004	Ecchymosis
701005	Foreign Body

701006	Pain/tenderness
701007	Burn Redness
701008	Burn Blistering
701009	Burn Charring
701010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX UPPER EXTREMITIES

E15_08

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Upper Extremities

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

702000	Abrasions
702001	Avulsion
702002	Crepitus
702003	Deformity
702004	Ecchymosis
702005	Foreign Body

702006	Pain/tenderness
702007	Burn Redness
702008	Burn Blistering
702009	Burn Charring
702010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX PELVIS

E15_09

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Pelvis

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

703000	Abrasions
703001	Avulsion
703002	Crepitus
703003	Deformity
703004	Ecchymosis
703005	Foreign Body

703006	Pain/tenderness
703007	Burn Redness
703008	Burn Blistering
703009	Burn Charring
703010	Burn White/Waxy
703011	Priapism

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX LOWER EXTREMITIES

E15_10

Data [combo] multiple-choice

Definition

Type of injury identified and associated with the Lower Extremities

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

3320 Amputation

3325 Bleeding Controlled

3330 Bleeding Uncontrolled

3335 Burn

3340 Crush

3345 Dislocation Fracture

3350 Gunshot

3355 Laceration

3360 Pain without swelling/bruising

3365 Puncture/stab

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

704000	Abrasions
704001	Avulsion
704002	Crepitus
704003	Deformity
704004	Ecchymosis
704005	Foreign Body

704006	Pain/tenderness
704007	Burn Redness
704008	Burn Blistering
704009	Burn Charring
704010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

NHTSA INJURY MATRIX UNSPECIFIED

E15_11

Data [combo] multiple-choice

Definition Type of injury identified and associated with Unspecified

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NHTSAInjuryMatrix*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3325 Bleeding Controlled

3335 Burn

3345 Dislocation Fracture

3355 Laceration

3365 Puncture/stab

~~-20~~ Not Recorded

~~-10~~ Not Known

3320 Amputation

3330 Bleeding Uncontrolled

3340 Crush

3350 Gunshot

3360 Pain without swelling/bruising

3370 Soft Tissue Swelling/Bruising

AZ-PIERS Additional Values

705000	Abrasions
705001	Avulsion
705002	Crepitus
705003	Deformity
705004	Ecchymosis
705005	Foreign Body

705006	Pain/tenderness
705007	Burn Redness
705008	Burn Blistering
705009	Burn Charring
705010	Burn White/Waxy

Additional Information

- Blunt Injury Removed from NHTSA 1.0

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 53 Injury Description

References to Other Databases

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

ARIZONA REQUIRED

Assessment/ Exam

ESTIMATED BODY WEIGHT

E16_01

Data [number]

Definition

The patient's body weight in kilograms, either measured or estimated

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *EstimatedBodyWeight*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD No

Minimum Constraint 1

Maximum Constraint 500

Field Values

Uses

- Part of an EMS Medical Record and to better determine equipment sizes and medication dosages
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

ARIZONA REQUIRED

DATE/TIME OF ASSESSMENT

E16_03

Data [date/time]

Definition

The date/time assessment was made on the patient

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration Yes, via structure
empty

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

Required in XSD No

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

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

Field Values

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E16_04 Skin Assessment

E16_05 Head/Face Assessment

E16_06 Neck Assessment

E16_07 Chest/Lungs Assessment

E16_08 Heart Assessment

E16_09 Abdomen Left Upper Assessment

E16_10 Abdomen Left Lower Assessment

E16_11 Abdomen Right Upper Assessment

E16_12 Abdomen Right Lower Assessment

E16_13 GU Assessment

E16_14 Back Cervical Assessment

E16_15 Back Thoracic Assessment

E16_16 Back Lumbar/Sacral Assessment

E16_17 Extremities-Right Upper Assessment

E16_18 Extremities-Right Lower Assessment

E16_19 Extremities-Left Upper Assessment

E16_20 Extremities-Left Lower Assessment

E16_21 Eyes-Left Assessment

E16_22 Eyes-Right Assessment

E16_23 Mental Status Assessment

E16_24 Neurological Assessment

Optional

SKIN ASSESSMENT

E16_04

Data [combo] multiple-choice

Definition

The assessment of the patient's skin on examination

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *SkinAssessment*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3420 Normal
3425 Not Done	3430 Clammy
3435 Cold	3440 Cyanotic
3445 Jaundiced	3450 Lividity
3455 Mottled	3460 Pale
3465 Warm	

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_05 Head/Face Assessment
E16_06 Neck Assessment	E16_07 Chest/Lungs Assessment
E16_08 Heart Assessment	E16_09 Abdomen Left Upper Assessment
E16_10 Abdomen Left Lower Assessment	E16_11 Abdomen Right Upper Assessment
E16_12 Abdomen Right Lower Assessment	E16_13 GU Assessment
E16_14 Back Cervical Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

References in NHTSA Version 1

Desirable Element 72 Skin Perfusion

Optional

HEAD/FACE ASSESSMENT

E16_05

Data [combo] multiple-choice

Definition

The assessment of the patient's face on examination

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

NECK ASSESSMENT

E16_06

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *NeckAssessment*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

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

3525 Tracheal Dev

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

CHEST/LUNGS ASSESSMENT

E16_07

Data [combo] multiple-choice

Definition

The assessment of the patient's chest on examination

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

HEART ASSESSMENT

E16_08

Data [combo] multiple-choice

Definition

The assessment of the patient's heart on examination

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *HeartAssessment*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

ABDOMEN LEFT UPPER ASSESSMENT

E16_09

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3615 Normal
3620 Not Done	3625 Distention
3630 Guarding	3635 Mass
3640 Tenderness	

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

ABDOMEN LEFT LOWER ASSESSMENT

E16_10

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3645 Normal
3650 Not Done	3655 Distention
3660 Guarding	3665 Mass
3670 Tenderness	

AZ-PIERS Additional Values

723000	Rebound Tenderness
723001	Rash

723002	Rigid
--------	-------

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

ABDOMEN RIGHT UPPER ASSESSMENT

E16_11

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

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

AZ-PIERS Additional Values

724000	Rebound Tenderness
724001	Rash

724002	Rigid
--------	-------

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

ABDOMEN RIGHT LOWER ASSESSMENT

E16_12

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

~~-25~~ Not Applicable

~~-15~~ Not Reporting

~~-5~~ Not Available

3710 Not Done

3720 Guarding

3730 Tenderness

~~-20~~ Not Recorded

~~-10~~ Not Known

3705 Normal

3715 Distention

3725 Mass

AZ-PIERS Additional Values

725000	Rebound Tenderness
725001	Rash

725002	Rigid
--------	-------

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E16_03 Date/Time of Assessment

E16_05 Head/Face Assessment

E16_07 Chest/Lungs Assessment

E16_09 Abdomen Left Upper Assessment

E16_11 Abdomen Right Upper Assessment

E16_14 Back Cervical Assessment

E16_16 Back Lumbar/Sacral Assessment

E16_18 Extremities-Right Lower Assessment

E16_20 Extremities-Left Lower Assessment

E16_22 Eyes-Right Assessment

E16_24 Neurological Assessment

E01_01 Patient Care Report Number

E16_04 Skin Assessment

E16_06 Neck Assessment

E16_08 Heart Assessment

E16_10 Abdomen Left Lower Assessment

E16_13 GU Assessment

E16_15 Back Thoracic Assessment

E16_17 Extremities-Right Upper Assessment

E16_19 Extremities-Left Upper Assessment

E16_21 Eyes-Left Assessment

E16_23 Mental Status Assessment

Optional

GU ASSESSMENT

E16_13

Data [combo] multiple-choice

Definition

The assessment of the patient's GU area on examination

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *GUAssessment*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3735 Normal
3740 Not Done	3745 Crowning
3750 Genital Injury	3755 Tenderness
3760 Unstable	

AZ-PIERS Additional Values

726000	Burning
726001	Priapism
726002	Discharge
726003	Foreign body
726004	Blood from Rectum

726005	Blood from Vagina
726006	Blood from Penis
726007	Painful Urination
726008	Incontinent to Urine
726009	Incontinent to Bowel

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

BACK CERVICAL ASSESSMENT

E16_14

Data [combo] multiple-choice

Definition

The assessment of the patient's back-cervical on examination

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
5 Not Available	3765 Normal
3770 Not Done	3775 Pain to ROM
3780 Tender Para-spinous	3785 Tender Spinous Process

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_15 Back Thoracic Assessment
E16_16 Back Lumbar/Sacral Assessment	E16_17 Extremities-Right Upper Assessment
E16_18 Extremities-Right Lower Assessment	E16_19 Extremities-Left Upper Assessment
E16_20 Extremities-Left Lower Assessment	E16_21 Eyes-Left Assessment
E16_22 Eyes-Right Assessment	E16_23 Mental Status Assessment
E16_24 Neurological Assessment	

Optional

BACK THORACIC ASSESSMENT

E16_15

Data [combo] multiple-choice

Definition

The assessment of the patient's back-thoracic on examination

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3790 Normal
3795 Not Done	3800 Pain to ROM
3805 Tender Para-spinous	3810 Tender Spinous Process

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

BACK LUMBAR/SACRAL ASSESSMENT

E16_16

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

EXTREMITIES-RIGHT UPPER ASSESSMENT

E16_17

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

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

AZ-PIERS Additional Values

730000	Cold Extremity
730001	+ C.M.S.

730002	Abnormal C.M.S.
730003	Absent Pulse

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

EXTREMITIES-RIGHT LOWER ASSESSMENT

E16_18

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

-25 Not Applicable

-15 Not Reporting

~~**-5** Not Available~~

3880 Not Done

3890 Abnormal Sensation

3900 Tenderness

-20 Not Recorded

~~**-10** Not Known~~

3875 Normal

3885 Abnormal Pulse

3895 Edema

3905 Weakness

AZ-PIERS Additional Values

731000	Cold Extremity
731001	+ C.M.S.

731002	Abnormal C.M.S.
731003	Absent Pulse

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E16_03 Date/Time of Assessment

E16_05 Head/Face Assessment

E16_07 Chest/Lungs Assessment

E16_09 Abdomen Left Upper Assessment

E16_11 Abdomen Right Upper Assessment

E16_13 GU Assessment

E16_15 Back Thoracic Assessment

E16_17 Extremities-Right Upper Assessment

E16_20 Extremities-Left Lower Assessment

E16_22 Eyes-Right Assessment

E16_24 Neurological Assessment

E01_01 Patient Care Report Number

E16_04 Skin Assessment

E16_06 Neck Assessment

E16_08 Heart Assessment

E16_10 Abdomen Left Lower Assessment

E16_12 Abdomen Right Lower Assessment

E16_14 Back Cervical Assessment

E16_16 Back Lumbar/Sacral Assessment

E16_19 Extremities-Left Upper Assessment

E16_21 Eyes-Left Assessment

E16_23 Mental Status Assessment

Optional

EXTREMITIES-LEFT UPPER ASSESSMENT

E16_19

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3910 Normal
3915 Not Done	3920 Abnormal Pulse
3925 Abnormal Sensation	3930 Edema
3935 Tenderness	3940 Weakness

AZ-PIERS Additional Values

732000	Cold Extremity
732001	+ C.M.S.

732002	Abnormal C.M.S.
732003	Absent Pulse

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

EXTREMITIES-LEFT LOWER ASSESSMENT

E16_20

Data [combo] multiple-choice

Definition

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

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3945 Normal
3950 Not Done	3955 Abnormal Pulse
3960 Abnormal Sensation	3965 Edema
3970 Tenderness	3975 Weakness

AZ-PIERS Additional Values

733000	Cold Extremity
733001	+ C.M.S.

733002	Abnormal C.M.S.
733003	Absent Pulse

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

EYES-LEFT ASSESSMENT

E16_21

Data [combo] multiple-choice

Definition

The assessment of the patient's left eye on examination

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *EyesLeftAssessment*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	3980 Not Done
3985 2-mm	3990 3-mm
3995 4-mm	4000 5-mm
4005 6-mm	4010 7-mm
4015 Blind	4020 Reactive
4025 Non-Reactive	

AZ-PIERS Additional Values

734000	Sluggish
734001	Nystagmus
734002	Disconjugated
734003	Artificial Eye

734004	8 mm or >
734005	Cataract(s) Present
734006	Glaucoma Present
734007	Pupil Deformity from Surgery/Injury

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

Optional

EYES-RIGHT ASSESSMENT

E16_22

Data [combo] multiple-choice

Definition

The assessment of the patient's right eye on examination

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

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

Required in XSD No

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
5	Not Available	4030	Not Done
4035	2-mm	4040	3-mm
4045	4-mm	4050	5-mm
4055	6-mm	4060	7-mm
4065	Blind	4070	Reactive
4075	Non-Reactive		

AZ-PIERS Additional Values

735000	Sluggish
735001	Nystagmus
735002	Disconjugated
735003	Artificial Eye

735004	8 mm or >
735005	Cataract(s) Present
735006	Glaucoma Present
735007	Pupil Deformity from Surgery/Injury

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_11	Abdomen Right Upper Assessment	E16_12	Abdomen Right Lower Assessment
E16_13	GU Assessment	E16_14	Back Cervical Assessment
E16_15	Back Thoracic Assessment	E16_16	Back Lumbar/Sacral Assessment
E16_17	Extremities-Right Upper Assessment	E16_18	Extremities-Right Lower Assessment
E16_19	Extremities-Left Upper Assessment	E16_20	Extremities-Left Lower Assessment
E16_21	Eyes-Left Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

Optional

MENTAL STATUS ASSESSMENT

E16_23

Data [combo] multiple-choice

Definition

The assessment of the patient's mental status on examination

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

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

Required in XSD No

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

Field Values

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

AZ-PIERS Additional Values

736000	Responsive to Verbal Stimuli
736001	Responsive to Painful Stimuli
736002	Oriented-Events

736003	Usually Confused
736004	Incoherent
736005	Intermittent Consciousness

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

- Important for Stroke Patients and Potential Stroke Patients.

NEUROLOGICAL ASSESSMENT

E16_24

Data [combo] multiple-choice

Definition

The assessment of the patient's neurological status on examination

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4125 Normal
4130 Not Done	4135 Abnormal Gait
4140 Facial Droop	4145 Seizures
4150 Speech Normal	4155 Speech Slurring
4160 Tremors	4165 Weakness-Left Sided
4170 Weakness-Right Sided	

AZ-PIERS Additional Values

737000	Decorticate Posturing
737001	Decerebrate Posturing

737002	Aphasic
737003	Postictal

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E16_03 Date/Time of Assessment	E16_04 Skin Assessment
E16_05 Head/Face Assessment	E16_06 Neck Assessment
E16_07 Chest/Lungs Assessment	E16_08 Heart Assessment
E16_09 Abdomen Left Upper Assessment	E16_10 Abdomen Left Lower Assessment
E16_11 Abdomen Right Upper Assessment	E16_12 Abdomen Right Lower Assessment
E16_13 GU Assessment	E16_14 Back Cervical Assessment
E16_15 Back Thoracic Assessment	E16_16 Back Lumbar/Sacral Assessment
E16_17 Extremities-Right Upper Assessment	E16_18 Extremities-Right Lower Assessment
E16_19 Extremities-Left Upper Assessment	E16_20 Extremities-Left Lower Assessment
E16_21 Eyes-Left Assessment	E16_22 Eyes-Right Assessment
E16_23 Mental Status Assessment	

ARIZONA REQUIRED

- Important for Stroke Patients and Potential Stroke Patients.

Intervention

PROTOCOLS USED

E17_01

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *ProtocolsUsed*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

Additional Information

- List created from Protocols (D04_08)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

Optional

Intervention/ Medication

DATE/TIME MEDICATION ADMINISTERED

E18_01

Data [date/time]

Definition

The date/time medication administered to the patient

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration Yes, via structure

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

Required in XSD No

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

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

Field Values

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

ARIZONA REQUIRED

MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE

E18_02

Data [combo] single-choice

Definition

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

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *YesNoValues*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes

Required in XSD No

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

MEDICATION GIVEN

E18_03

Data [combo] single-choice

National Element

Definition

The medication given to the patient

XSD Data Type *xs:string*

XSD Domain (Simple Type) *MedicationsGiven*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

AZ-PIERS Medication Values

4	Amyl Nitrate	412	Insulin
8	Bumetanide (Bumex)	413	Flumazenil (Romazicon)
10	Calcium Gluconate	414	Haloperidol (Haldol)
11	Diphenhydramine (Benadryl)	415	Prochlorperazine (Compazine)
12	Dexamethasone (Decadron)	416	Mark 1 Kit
16	Dopamine	417	IV Antibiotics
21	Atropine Sulfate	418	Epi-Pen Adult
24	Lorazepam (Ativan)	419	Epi-Pen Junior
27	Meperidine (Demerol)	425	Ondansetron (Zofran)
28	Metaproterenol (Alupent)	426	Other Cardiac Drug
30	Metoclopramide (Reglan)	427	Other CNS Drug
31	Albuterol Sulfate	428	Other Autonomic Nervous System Drug
32	Terbutaline (Brethine)	429	Other Respiratory Drug
33	Nifedipine (Adalat, Procardia)	430	Esmolol HCl (Brevibloc)
38	Ketorolac (Toradol)	431	Hydralazine (Apresoline)
39	Thiamine	432	Ketamine
41	Succinylcholine (Anectine)	433	Phenylephrine HCl (Neo-Synephrine)
42	Neostigmine	434	Phenytoin (Dilantin)
51	Heparin	435	Potassium Cl
60	Atrovent (Ipratropium Bromide)	436	Diltiazem (Cardizem)
61	Adenosine	437	Hurricane Spray
62	Bretylium Tosylate	438	Oxygen by Nebulizer
63	Lidocaine	439	Oxygen by Positive Pressure Device
64	Procainamide	440	Epinephrine 1:1000
65	Amiodorone (Cordarone)	441	Epinephrine 1:10,000
66	Verapamil (Isoptin)	521	Proparacaine (Alcaine)
67	Isoproterenol	910	Oxygen
68	Nitroprusside	9396	Oxygen by Nasal Cannula
72	Nitroglycerin	9397	Oxygen by Mask
81	Aspirin (ASA)	9398	Oxygen (non-rebreather mask)
92	Morphine Sulfate	12360	Oxygen by Blow By
93	Nubain	156000	Alteplase

101	Naloxone (Narcan)	156001	Atracurium
111	Charcoal, activated	156002	Dextrose 25% (D25)
121	Diazepam (Valium)	156003	Dextrose 10% (D10)
122	Midazolam (Versed)	156004	Digoxin
131	Magnesium Sulfate	156005	Enoxaparin
132	Furosemide (Lasix)	156006	Tenecteplase
141	Etomidate	156007	Tetracaine
142	Droperidol (Inapsine)	156008	Levalbuterol HCL (Xopenex)
143	Nitronox (Nitrous Oxide)	156009	Dextrose 12.5%
151	Sodium bicarbonate	156010	D5W (Dextrose 5% in Water)
161	Calcium Chloride	156011	Lactated Ringers
163	Labetolol	156012	D5W w/ 1/2 Normal Saline
171	Dextrose 50% (D50)	156013	DuoNeb (0.5 Atrovent/3.0 Albuterol)
172	Reactose	156014	Acetaminophen
182	Mannitol (Osmitol)	156015	Dolasetron (Anzemet)
201	Ipecac	156016	Granisetron HCL (Kytril)
222	Methylprednisolone (Solu-Medrol)	156017	Ibuprofen (Advil, Motrin)
231	Glucagon	156018	Norepinephrine
300	Dobutamine	156019	Pralidoxime (2-PAM, Systemic)
325	Fentanyl	156020	Sodium Nitrate (Cyanide Kit)
350	Metoprolol (Lopressor)	156021	Sodium Thiosulfate (Cyanide Kit)
400	Vecuronium (Norcuron)	156022	Cetacaine Spray
401	Vasopressin	156023	Glucose (Oral)
402	Racemic Epinephrine	156030	Mivacurium Chloride (Mivacron)
403	Promethazine HCl (Phenergan)	156031	Normal Saline (Respiratory Use)
404	Normal Saline	156032	Butorphanol Tartrate (STADOL)
405	Abciximab (Reopro)	156033	Tissue Plasminogen Activator (tPA)
406	Tirofiban HCL (Aggrastat)	156034	Hydroxyzine (Atarax Vistaril)
407	Eptifibatide (Integrilin)	156035	Thiopental Sodium (Pentothal)
408	Glucose	156047	½ Normal Saline - 0.45%
409	Hydromorphone (Dilaudid)	156128	Other - Type-In
410	Rocuronium Bromide (Zemuron)	156214	None
411	Oxytocin (Pitocin)		

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_08 Medication Complication
E18_10 Medication Authorization

E18_07 Response to Medication
E18_09 Medication Crew Member ID
E18_11 Medication Authorizing Physician

References in NHTSA Version 1

Essential Element 80 Medication Name

References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, 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

ARIZONA REQUIRED

MEDICATION ADMINISTERED ROUTE

E18_04

Data [combo] single-choice

Definition

The route that the medication was administered to the patient.

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

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

Required in XSD No

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

Field Values

-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	4175	Endotracheal tube
4180	Gastrostomy tube	4185	Inhalation
4190	Intramuscular	4191	Intraosseous
4200	Intraocular	4205	Intravenous
4210	Nasal	4215	Nasal prongs
4220	Nasogastric	4225	Ophthalmic
4230	Oral	4235	Other/miscellaneous
4240	Otic	4245	Re-breather mask
4250	Rectal	4255	Subcutaneous
4260	Sublingual	4265	Topical
4270	Tracheostomy	4275	Transdermal
4280	Urethral	4285	Ventimask
4290	Wound		

AZ-PIERS Additional Values

753000	Inhalation via Nebulizer
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753001	Intravenous Pump
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Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References to Other Databases

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

ARIZONA REQUIRED

MEDICATION DOSAGE

E18_05

Data [number]

Definition

The dose or amount of medication given to the patient

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *MedicationDosage*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 1,000,000

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

Field Values

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E18_01 Date/Time Medication Administered

E18_02 Medication Administered Prior to this Units
EMS Care

E18_03 Medication Given

E18_04 Medication Administered Route

E18_06 Medication Dosage Units

E18_07 Response to Medication

E18_08 Medication Complication

E18_09 Medication Crew Member ID

E18_10 Medication Authorization

E18_11 Medication Authorizing Physician

ARIZONA REQUIRED

MEDICATION DOSAGE UNITS

E18_06

Data [combo] single-choice

Definition

The units of medication dosage given to patient

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

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

Required in XSD No

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

Field Values

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

AZ-PIERS Additional Values

755000	gtts (Drops)
755001	MG/MIN
755002	MCG/MIN
755003	Units/HR

755004	Minutes
755007	Rapid Infusion
755008	Lock/Flush

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

ARIZONA REQUIRED

RESPONSE TO MEDICATION

E18_07

Data [combo] single-choice

Definition

The patient's response to the medication.

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4375 Improved
4380 Unchanged	4385 Worse

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

Intervention/ Procedure

DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

E19_01

Data [date/time]

Definition

The date and time the procedure was performed on the patient

XSD Data Type *xs:dateTime*

XSD Domain (Simple Type) *DateTime*

Multiple Entry Configuration Yes, via structure
empty

Accepts Null Values Yes, but null value is blank or

Required in XSD No

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

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

Field Values

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

Desirable Element 58 Time of First CPR

Desirable Element 63 Time of First Defibrillatory Shock

ARIZONA REQUIRED

PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE

E19_02

Data [combo] single-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD No

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

~~-10 Not Known~~

~~-5 Not Available~~

0 No

1 Yes

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_05 Number of Procedure Attempts

E19_06 Procedure Successful

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

ARIZONA REQUIRED

PROCEDURE

E19_03

Data [combo] single-choice

National Element

Definition

The procedure performed on the patient.

XSD Data Type *xs:decimal*

XSD Domain (Simple Type) *Procedure*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint 0

Maximum Constraint 1,000

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

-10 Not Known

-5 Not Available

AZ-PIERS Procedure Values

NEMSIS Code	ImageTrend Code	ImageTrend - AZ-PIERS Procedure Descriptions
89.820	6130	12 Lead ECG-Obtain
89.821	154060	12 Lead ECG-Transmitted
101.201	154061	Activation-Advanced Hazmat Specialty Service/Response Team
101.202	154062	Activation-Fire Rehabilitation Specialty Service/Response Team
101.203	154063	Activation-Other Specialty Service/Response Team
101.204	154064	Activation-Rescue Specialty Service/Response Team
101.205	154065	Activation-Social Services Notification/Referral
101.206	154066	Activation-Tactical or SWAT Specialty Service/Response Team
93.931	154044	Airway-Bagged (via BVMask)
93.930	6140	Airway-Bagged (via tube)
96.702	154067	Airway-BiPAP
97.230	6150	Airway-Change Tracheostomy Tube
98.130	6160	Airway-Cleared, Opened, or Heimlich
96.051	6170	Airway-Combitube
93.900	6180	Airway-CPAP
31.420	154068	Airway-Direct Laryngoscopy
96.030	6190	Airway-EOA/EGTA
96.993	154069	Airway-Extubation
98.131	6225	Airway-Foreign Body Removal
96.703	154032	Airway-Impedance Threshold Device
96.991	6200	Airway-Intubation Confirm Colorimetric ETCO2
96.992	6210	Airway-Intubation Confirm Esophageal Detector Device/Bulb (EDD)
97.231	154070	Airway-Intubation of Existing Tracheostomy Stoma
96.053	154034	Airway-King LT Blind Insertion Airway Device
96.052	6220	Airway-Laryngeal Mask
96.010	6230	Airway-Nasopharyngeal
96.041	6240	Airway-Nasotracheal Intubation
93.940	6250	Airway-Nebulizer Treatment
31.110	6260	Airway-Needle Cricothyrotomy
96.020	6270	Airway-Oropharyngeal
96.040	6280	Airway-Endotracheal Intubation
96.790	6290	Airway-PEEP
96.042	6300	Airway-Rapid Sequence Intubation
93.910	6310	Airway-Respirator Operation
98.150	6320	Airway-Suctioning
31.120	6330	Airway-Surgical Cricothyrotomy
96.700	6340	Airway-Ventilator

96.701	154043	Airway-Ventilator with PEEP
31.421	154071	Airway-Video Laryngoscopy
38.910	6350	Arterial Access/Blood Draw
89.610	6360	Arterial Line Maintenance
89.700	154022	Assessment-Adult
89.701	154023	Assessment-Pediatric
38.995	6370	Blood Glucose Analysis
89.391	6380	Capnography
89.510	6390	Cardiac Monitor
99.624	6500	Cardiac Pacing-External
99.626	154024	Cardiac Pacing-Transvenous
99.623	6400	Cardioversion (Synchronized)
34.041	6420	Chest Decompression
34.042	6790	Chest Tube Placement
73.590	6430	Childbirth
1.181	6440	CNS Catheter-Epidural Maintenance
1.182	6450	CNS Catheter-Intraventricular
101.500	154072	Contact Medical Control
99.601	154001	CPR by Other External Automated Device
99.602	154073	CPR-AutoPulse Device
99.603	154074	CPR-Mechanical Thumper Type Device
99.604	154075	CPR-Precordial Thump Only
99.600	6460	CPR-Start Compressions and Ventilations
99.611	154076	CPR-Start Compressions only without Ventilation
99.612	154077	CPR-Start Rescue Breathing without Compressions
99.615	154048	CPR-Stop
86.280	154025	Decontamination
99.621	6480	Defibrillation-Automated (AED)
99.622	6490	Defibrillation-Manual
99.625	6470	Defibrillation-Placement for Monitoring/Analysis
86.090	154078	Escharotomy
100.200	6510	Extrication
96.070	6530	Airway-Gastric Tube Inserted Nasally
96.071	154006	Airway-Gastric Tube Inserted Orally
99.290	154012	Injections-SQ/IM
37.611	154026	Intra-Aortic Balloon Pump
79.700	154079	Joint Reduction/Relocation
37.612	154080	Left Ventricular Assist Device Maintenance
93.580	6520	MAST
89.590	154027	Orthostatic Blood Pressure Measurement
89.702	154028	Pain Measurement
99.810	6800	Patient Cooling (Cold Pack, etc.)
99.811	154046	Patient Cooling-Post Resuscitation
100.300	154036	Patient Loaded
100.301	154037	Patient Loaded-Helicopter Hot-Load
89.599	154081	Patient Monitoring of Pre-existing Devices, Equipment, or Ongoing Medications
100.302	154038	Patient Off-Loaded
100.303	154039	Patient Off-Loaded Helicopter Hot Off-Load
93.350	6810	Patient Warming (Hot Pack, etc.)
37.000	6840	Pericardiocentesis
89.392	154029	Pulse Oximetry
100.100	6550	Rescue
99.841	6560	Restraints-Pharmacological
99.842	6570	Restraints-Physical

101.101	154082	Specialty Center Activation-Adult Trauma
101.103	154083	Specialty Center Activation-Cardiac Arrest
101.102	254084	Specialty Center Activation-Pediatric Trauma
101.104	154085	Specialty Center Activation-STEMI
101.105	154086	Specialty Center Activation-Stroke
93.591	6580	Spinal Immobilization
93.540	6590	Splinting
93.450	6600	Splinting-Traction
89.703	154030	Temperature Measurement
89.704	154031	Thrombolytic Screen
57.940	6610	Urinary Catheterization
99.640	6410	Vagal Maneuver-Carotid Massage
99.641	6860	Valsalva Maneuver
38.990	6620	Venous Access-Blood Draw
89.620	6690	Venous Access-Central Line Maintenance
39.997	154017	Venous Access-Discontinue
38.991	6630	Venous Access-Existing Catheter/IV Monitoring
38.993	6650	Venous Access-External Jugular Line
38.992	6640	Venous Access-Extremity
38.994	6660	Venous Access-Femoral Line
39.995	154018	Venous Access-Internal Jugular Line
41.920	6670	Venous Access-Intraosseous Adult
41.921	6680	Venous Access-Intraosseous Pediatric
39.996	154019	Venous Access-Subclavian Line
89.640	6700	Venous Access-Swan Ganz Maintain
39.998	154087	Venous Access-Umbilical Vein Cannulation
93.057	6710	Wound Care
93.059	154088	Wound Care-Hemostatic Agent
93.058	154055	Wound Care-Irrigation
93.055	154089	Wound Care-Taser Barb Removal
93.056	154056	Wound Care-Tourniquet

Additional Information

- List created from Procedures (D04_04)

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

References in NHTSA Version 1

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

References to Other Databases

- NFIRS 5.0 EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers =

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

- **UTSTEIN** Arrest after arrival of EMS could be documented by CPR or Defibrillation performed along with the Cardiac Arrest datapoint.; [text] Value or

ARIZONA REQUIRED

NUMBER OF PROCEDURE ATTEMPTS

E19_05

Data [number]

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *NumberOfProcedureAttempts*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

Minimum Constraint -25

Maximum Constraint 100

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

Field Values

-25 Not Applicable

-20 Not Recorded

-15 Not Reporting

~~-10 Not Known~~

~~-5 Not Available~~

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

NEMSIS Extended Definitions:

Clarification of the term 'attempt' – An active attempt to perform the procedure.

Specific examples include:

Oral airways – The tip of the airway or the laryngoscope breaks the plane of the teeth.

Nasal airways – The tip of the airway breaks the plane of the nares.

Surgical airways – The skin over the intended airway site is broken.

Vascular access – The skin over the intended access site is broken.

ARIZONA REQUIRED

PROCEDURE SUCCESSFUL

E19_06

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration Yes, via structure

Accepts Null Values Yes

Required in XSD Yes

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

0 No

1 Yes

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_01 Date/Time Procedure Performed Successfully

E19_02 Procedure Performed Prior to this Units EMS Care

E19_03 Procedure

E19_04 Size of Procedure Equipment

E19_05 Number of Procedure Attempts

E19_07 Procedure Complication

E19_08 Response to Procedure

E19_09 Procedure Crew Members ID

E19_10 Procedure Authorization

E19_11 Procedure Authorizing Physician

NEMESIS Extended Definition:

Clarification of the term 'successful' - An indication of whether the procedure / intervention was completed as intended, regardless of the patient's response or outcome.

ARIZONA REQUIRED

RESPONSE TO PROCEDURE

E19_08

Data [combo] single-choice

Definition

The patient's response to the procedure

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

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

Required in XSD No

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4600 Improved
4605 Unchanged	4610 Worse

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

TUBE CONFIRMATION

E19_13

Data [combo] multiple-choice

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TubeConfirmation*

Multiple Entry Configuration Yes

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

4735 Auscultation of Bilateral Breath Sounds

4740 Colormetric CO2 Detector Confirmation

4745 Digital CO2 Confirmation

4750 Esophageal Bulb Aspiration confirmation

4755 Negative Auscultation of the Epigastrium

4760 Visualization of the Chest Rising with ventilation

4765 Visualization of Tube Passing Through the Cords

4770 Waveform CO2 Confirmation

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E19_03 Procedure

ARIZONA REQUIRED

DESTINATION CONFIRMATION OF TUBE PLACEMENT

E19_14

Data [combo] multiple-choice

Definition

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

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

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	4775 Auscultation of Bilateral Breath Sounds
4780 Colormetric CO2 Detector Confirmation	4785 Digital CO2 Confirmation
4790 Esophageal Bulb Aspiration confirmation	4795 Negative Auscultation of the Epigastrium
4800 Visualization of the Chest Rising with ventilation	4805 Visualization of Tube Passing Through the Cords
4810 Waveform CO2 Confirmation	

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values **E01_01** Patient Care Report Number
E19_03 Procedure

ARIZONA REQUIRED

- Note: this refers to on arrival (at end of EMS care) and not after arrival at destination

Disposition

Transferred to Agency ID

IT5_4

Data

Arizona Element

Definition

State ID of agency receiving the patient from the current care provider.

NISE Prefix 958

Compatible with E23_11 & E23_09

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

Field Values

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

Uses

Data Collector

Other Associated Elements

Additional Information

Other States that have implemented this data element: States Nebraska, Missouri, New Hampshire, Minnesota, Minnesota - ALF, Minnesota - Burnsville, Illinois - Good Samaritan, Maine, Georgia, Wisconsin, California - Oceanside, Oregon - Tillamook, Indiana - Columbus Regional Hospital, Washington, Michigan, Kansas, Oklahoma, New Mexico, Alaska, Idaho, Massachusetts, Vermont, Oregon

ARIZONA REQUIRED

DESTINATION/TRANSFERRED TO, NAME

E20_01

Data [text]

Definition

The destination the patient was delivered or transferred to

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

DESTINATION/TRANSFERRED TO, CODE

E20_02

Data [text]

Definition

The code of the destination the patient was delivered or transferred to, if present and available

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

DESTINATION STREET ADDRESS

E20_03

Data [text]

Definition

The street address of the destination the patient was delivered or transferred to

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

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

Field Values

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	E20_04 Destination City
E20_05 Destination State	E20_07 Destination Zip Code

ARIZONA REQUIRED

DESTINATION CITY

E20_04

Data [combo] single-choice

Definition

The city name of the destination the patient was delivered or transferred to

XSD Data Type *xs:string*

XSD Domain (Simple Type) *City*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

Additional Information

- 5 digit FIPS Code
- Could be filled in from Destination Zip Code (E20_07)

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

E20_03 Destination Street Address

E20_05 Destination State

E20_07 Destination Zip Code

ARIZONA REQUIRED

DESTINATION STATE

E20_05

Data [combo] single-choice

Definition

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

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 3

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

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

E20_01 Destination/Transferred To, Name

E20_03 Destination Street Address

E20_04 Destination City

E20_07 Destination Zip Code

ARIZONA REQUIRED

DESTINATION COUNTY

E20_06

Data [combo] single-choice

Definition

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

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

Field Values

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

Additional Information

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

Uses

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

Data Collector

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

Other Associated Elements

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

ARIZONA REQUIRED

DESTINATION ZIP CODE

E20_07

Data [text]

National Element

Definition

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

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

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

Field Values

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

Additional Information

- Can be 5 or 9 digit Zip Code

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E20_01 Destination/Transferred To, Name	E20_03 Destination Street Address
E20_04 Destination City	E20_05 Destination State

ARIZONA REQUIRED

DESTINATION GPS LOCATION

E20_08

Data [text]

Definition

The destination GPS coordinates to which the patient was delivered or transferred to

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

XSD Attributes: Latitude and Longitude are each stored as a separate attribute

Field Values

Uses

- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number **E20_01** Destination/Transferred To, Name

ARIZONA REQUIRED

INCIDENT/PATIENT DISPOSITION

E20_10

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *IncidentPatientDisposition*

Multiple Entry Configuration No

Accepts Null Values No

Required in XSD Yes

Field Values

4815 Cancelled

4825 No Patient Found

4835 Patient Refused Care

4845 Treated, Transferred Care

4855 Treated, Transported by Law Enforcement

4820 Dead at Scene

4830 No Treatment Required

4840 Treated and Released

~~**4850** Treated, Transported by EMS~~

4860 Treated, Transported by Private Vehicle

AZ-PIERS Additional Values

804003	Standby Only - No Patient Contacts
804004	Unable to Locate Patient/Scene

804005	Treated, Transported by EMS (ALS)
804006	Treated, Transported by EMS (BLS)

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

Extended Definitions:

Cancelled - Cancelled prior to patient contact.

Dead at Scene - Either dead on arrival or dead after arrival with field resuscitation not successful and not transported.

No Patient Found - EMS was unable to find a patient at the scene.

No treatment required - Assessment resulted in no identifiable condition requiring treatment by EMS.

Patient Refused Care - Patient refused to give consent or withdrew consent for care.

Treated and released - The patient was treated by EMS but did not require transport to the hospital.

Treated, Transferred Care - The patient was treated but care was transferred to another EMS unit.

Treated, transported by EMS - The patient was treated and transported by the reporting EMS unit.

Treated, transported by law Enforcement - The patient was treated and transported by a law enforcement unit.

Treated, Transported by Private Vehicle - The patient was treated and transported by means other than EMS or law enforcement.

ARIZONA REQUIRED

POSITION OF PATIENT DURING TRANSPORT

E20_12

Data [combo] single-choice

Definition

The position of the patient during transport from the scene

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *PositionOfPatientDurningTransport*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD No

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

4890 Car Seat

4895 Fowlers

4900 Lateral

4905 Prone

4910 Semi-Fowlers

4915 Sitting

4920 Supine

4925 Other

AZ-PIERS Additional Values

806000	Trendelenberg
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806001	Reverse Trendelenberg
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Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

ARIZONA REQUIRED

TRANSPORT MODE FROM SCENE

E20_14

Data [combo] single-choice

National Element

Definition

Indication whether or not lights and/or sirens were used on the vehicle while leaving scene

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TransportModeFromScene*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

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

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

4970 No Lights or Sirens

4965 Lights and Sirens

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01_01 Patient Care Report Number

References in NHTSA Version 1

Essential Element 46 Lights and Sirens used from the Scene

ARIZONA REQUIRED

REASON FOR CHOOSING DESTINATION

E20_16

Data [combo] single-choice

National Element

Definition

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

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *ReasonForChoosingDestination*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~-5~~ Not Available

4990 Closest Facility (none below)

4995 Diversion

5000 Family Choice

5005 Insurance Status

5010 Law Enforcement Choice

5015 On-Line Medical Direction

5020 Other

5025 Patient Choice

5030 Patient's Physicians Choice

5035 Protocol

5040 Specialty Resource Center

Add in PSC Triage

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

NEMSIS Extended Definitions:

Closest Facility (none below) – The closest hospital/facility.

Diversion – First choice hospital/facility is unable to accept patient.

Family Choice – Transported to hospital/facility chosen by the patients' family or a person acting on the patient's behalf.

Insurance Status – The hospital/facility is chosen based on insurance coverage.

Law Enforcement Choice – Transported to hospital/facility chosen by Law Enforcement.

On-Line Medical Direction – Transported to hospital/facility as directed by medical control either on-line or on-scene.

Other – Not one of the other options listed.

Patient Choice – Transported to hospital/facility of patient's choice.

Patient's Physicians Choice – Transported to hospital/facility chosen by the patient's physician.

Protocol – Patient transport to alternate facility in accordance with Medical Director approved protocols/guidelines.

Specialty Resource Center – Transport to a specialty facility based upon unique needs of the patient.

ARIZONA REQUIRED

TYPE OF DESTINATION

E20_17

Data [combo] single-choice

National Element

Definition

The type of destination the patient was delivered or transferred to

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *TypeOfDestination*

Multiple Entry Configuration No

Accepts Null Values Yes

Required in XSD Yes

Field Values

~~-25~~ Not Applicable

~~-20~~ Not Recorded

~~-15~~ Not Reporting

~~-10~~ Not Known

~~5~~ Not Available

7270 Home

7280 Hospital

7290 Medical Office/Clinic

7300 Morgue

7320 Nursing Home

7330 Other

7340 Other EMS Responder (air)

7350 Other EMS Responder (ground)

7360 Police/Jail

AZ-PIERS Additional Values

811000	Not Transported
--------	-----------------

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

ARIZONA REQUIRED

Medical Device Data

EVENT DATE/TIME

E21_01

Data [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 Values Yes, but null value is blank or empty

Required in XSD No

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

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

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

Optional

MEDICAL DEVICE EVENT NAME

E21_02

Data [text]

Definition

The type of event documented by the medical device.

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

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

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	5090 12-Lead ECG
5095 Analysis (Button Pressed)	5100 CO2
5105 Date Transmitted	5110 Defibrillation
5115 ECG-Monitor	5120 Heart Rate
5125 Invasive Pressure 1	5130 Invasive Pressure 2
5135 No Shock Advised	5140 Non-Invasive BP
5145 Pacing Electrical Capture	5150 Pacing Started
5155 Pacing Stopped	5160 Patient Connected
5165 Power On	5170 Pulse Oximetry
5175 Pulse Rate	5180 Respiratory Rate
5185 Shock Advised	5190 Sync Off
5195 Sync On	

Additional Information

- Depending on the event, this data can be merged with Vital Sign or Procedure Data defined in Sections E14 and E19

Uses

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

Data Collector

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

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E21_01 Event Date/Time	

Optional

WAVEFORM GRAPHIC TYPE

E21_03

Data [text]

Definition

The type of waveform file stored in Waveform Graphic (E21.4)

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>WaveformGraphicType</i>
Multiple Entry Configuration	Yes, as associated with E21_01 Date/Time	Accepts Null Values	No

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time. (2) E21_03 and E21_04 are elements of E23_03_0 Waveform Structure.

Field Values

5200 JPG

5205 PDF

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E21_01 Event Date/Time

E21_02 Medical Device Event Name

E21_04 Waveform Graphic

Optional

WAVEFORM GRAPHIC

E21_04

Data [binary]

Definition

The graphic waveform file in a PDF or JPG format.

XSD Data Type	<i>xs:base64Binary</i>	XSD Domain (Simple Type)	<i>WaveformGraphic</i>
Multiple Entry Configuration	Yes, as associated with E21_01 Date/Time	Accepts Null Values	No

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time. (2) E21_03 and E21_04 are elements of E23_03_0 Waveform Structure.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number	E21_01 Event Date/Time
E21_02 Medical Device Event Name	E21_03 Waveform Graphic Type

Optional

AED, PACING, OR CO2 MODE

E21_05

Data [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 Values** No

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

5210 Automated	5215 Manual
5220 Advisory	5225 Demand
5230 Sensing	5235 Mid-Stream
5240 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

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

Optional

ECG LEAD

E21_06

Data [text]

Definition

The lead or source which the medical device used to obtain the rhythm (if appropriate for the event)

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

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

5245 I	5250 II
5255 III	5260 AVR
5265 AVL	5270 AVF
5275 V1	5280 V2
5285 V3	5290 V4
5295 V5	5300 V6
5305 Paddle	

AZ-PIERS Additional Values

825000	Pads
825001	12 Lead ECG
825002	II, III, AVF - Multi Lead
825003	V1, V2 - Multi Lead

825004	V3, V4 - Multi Lead
825005	I, AVL, V5, V6 - Multi Lead
825006	V4, V5, V6 - Multi Lead

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

Optional

ECG INTERPRETATION

E21_07

Data [text]

Definition

The interpretation of the rhythm by the device (if appropriate for the event)

XSD Data Type *xs:string*

XSD Domain (Simple Type) *ECGInterpretation*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 1

Maximum Constraint 2,000

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

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

Optional

TYPE OF SHOCK

E21_08

Data [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 Values** 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

5315 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

Optional

SHOCK OR PACING ENERGY

E21_09

Data [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 Values No

Required in XSD No

Minimum Constraint 1

Maximum Constraint 9,000

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

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

Optional

TOTAL NUMBER OF SHOCKS DELIVERED

E21_10

Data [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 Values 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

Uses

- Part of an 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

Optional

PACING RATE

E21_11

Data [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 Values** No
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 1,000
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

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

Optional

DEVICE HEART RATE

E21_12

Data [number]

Definition

The heart rate electronically obtained by the device (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PulseRate*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 500
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Electronic Monitor Rate (E14_08)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

Optional

DEVICE PULSE RATE

E21_13

Data [number]

Definition

The pulse rate as measured from the pulse oximeter, non-invasive pressure, or invasive pressure transducers (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *PulseRate*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** **No**
Required in XSD **No** **Minimum Constraint** **0** **Maximum Constraint** **500**

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Pulse Rate (E14_07)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

Optional

DEVICE SYSTOLIC BLOOD PRESSURE

E21_14

Data [number]

Definition

The Systolic Blood Pressure as measured either through non-invasive blood pressure, invasive blood pressure monitor 1, or invasive blood pressure monitor 2 (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *SBP*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 400

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Systolic Blood Pressure (E14_04)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number	E21_01 Event Date/Time
E21_02 Medical Device Event Name	E21_19 Device CO2, etCO2, or Invasive Pressure Monitor Units

Optional

DEVICE DIASTOLIC BLOOD PRESSURE

E21_15

Data [number]

Definition

The Diastolic Blood Pressure as measured either through non-invasive blood pressure, invasive blood pressure monitor 1, or invasive blood pressure monitor 2 (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *DBP*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 300
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Diastolic Blood Pressure (E14_05)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number	E21_01 Event Date/Time
E21_02 Medical Device Event Name	E21_19 Device CO2, etCO2, or Invasive Pressure Monitor Units

Optional

DEVICE RESPIRATORY RATE

E21_16

Data [number]

Definition

The Respiratory Rate as calculated from the device through one of the various monitoring parameters (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *RespiratoryRate*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** No
Required in XSD No **Minimum Constraint** 0 **Maximum Constraint** 100
XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Respiratory Rate (E14_11)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number **E21_01** Event Date/Time
E21_02 Medical Device Event Name

Optional

DEVICE PULSE OXIMETRY

E21_17

Data [number]

Definition

The Oxygen Saturation as measured from the pulse oximeter in % (if appropriate for the event)

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *DeviceCO2*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Pulse Oximetry (E14_09)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E21_01 Event Date/Time

E21_02 Medical Device Event Nam

Optional

DEVICE CO2 OR ETCO2

E21_18

Data [number]

Definition

The Carbon Dioxide or end-tidal Carbon Dioxide as measured from the device transducers (if appropriate for the event)

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *DeviceCO2*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 0

Maximum Constraint 100

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time. (2) Elements E21_18 and E21_19 are members of E21_18_0 CO2 Structure.

Field Values

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)
- Could be merged into Carbon Dioxide (E14_13)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E21_01 Event Date/Time

E21_02 Medical Device Event Name

E21_19 Device CO2, etCO2, or Invasive Pressure Monitor Units

Optional

DEVICE CO2, ETCO2, OR INVASIVE PRESSURE MONITOR UNITS

E21_19

Data [text]

Definition

The Units of Carbon Dioxide, end-tidal Carbon Dioxide, invasive pressure monitor 1, or invasive pressure monitor 2 as measured from the device transducers (if appropriate for the event)

XSD Data Type *xs:integer* **XSD Domain (Simple Type)** *DeviceCO2etCO2OrInvasivePressureUnits*

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

Required in XSD No

XSD Structure: (1) Each element in section E21 is associated with a E21_01 Date/Time. (2) Elements E21_18 and E21_19 are members of E21_18_0 CO2 Structure.

Field Values

5320 kPa

5325 % Volume

5330 mmHg

Additional Information

- Associated with Event Date/Time (E21_01) and only if appropriate for the Medical Device Event (E21_02)

Uses

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

Data Collector

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

Other Associated Elements

E01_01 Patient Care Report Number

E21_01 Event Date/Time

E21_02 Medical Device Event Name

E21_14 Device Systolic Blood Pressure

E21_15 Device Diastolic Blood Pressure

E21_18 Device CO2 or etCO2

E21_20 Device Invasive Pressure Mean

Optional

Miscellaneous

RESEARCH SURVEY FIELD

E23_09

Data [text]

Definition

A customizable field to be used by local agencies for additional documentation or research.

XSD Data Type *xs:string* **XSD Domain (Simple Type)** *ResearchField*
Multiple Entry Configuration Yes, via structure **Accepts Null Values** Yes
Required in XSD No **Minimum Constraint** 1 **Maximum Constraint** 50
XSD Structure: Elements E23_09 and E23_11 are members of E23_09_0 Research Data Structure

Field Values

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

Additional Information

- A multiple entry configuration to allow multiple Research Survey Fields

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

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

ARIZONA REQUIRED

- Required because is used to record certain additional data elements that are non-NEMESIS

RESEARCH SURVEY FIELD TITLE

E23_11

Data [text]

Definition

A customizable field to be used by local agencies for additional documentation or research.

XSD Data Type *xs:string*

XSD Domain (Simple Type) *ResearchTitle*

Multiple Entry Configuration Yes, via structure

Accepts Null Values No

Required in XSD No

Minimum Constraint 2

Maximum Constraint 30

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

Field Values

Additional Information

- A multiple entry configuration to allow multiple Research Survey Fields

Uses

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

Data Collector

- EMS personnel

Other Associated Elements

E01_01 Patient Care Report Number

E23_09 Research Survey Field

ARIZONA REQUIRED

- Required because is used to record certain additional data elements that are non-NEMESIS

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