Arkansas Pre-Hospital Information Data Dictionary

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Version 3.4.X

Arkansas Public Health Accreditation
A Journey to Excellence

ARKANSAS DEPARTMENT OF HEALTH

Table of Contents

Purpose of This Document 13
Reason for Revision(s) 13
Acknowledgement 14
NEMSIS Overview and Summary 15
EMS Agency 23
dAgency.01 – EMS Agency Unique State ID 24
dAgency.02 - EMS Agency Number 25
dAgency.03 - EMS Agency Name 26
dAgency.04 - EMS Agency State 27
dAgency.07 - EMS Agency Census Tracts 28
dAgency.09 – Primary Type of Service 29
dAgency.10 – Other Type of Service 30
dAgency.11 – Level of Service 31
dAgency.12 – Organization Status 32
dAgency.13 – Organization Type 33
dAgency.14 – Organization Tax Status 34
dAgency.23 – EMS Agency Time Zone 35
dAgency.24 – EMS Agency Daylight Saving Time Use 36
dAgency.25 – National Provider Identifier 37
dAgency.26 – Fire Department ID Number 38
dConfiguration.13 – EMD Provided to EMS Agency Service 39
dConfiguration.14 – EMD Vendor 40
dConfiguration.15 – Patient Monitoring Capability(ies) 41
dConfiguration.16 – Crew Call Sign 42
dAgency.05 – EMS Agency Service Area States 43
dAgency.06 – EMS Agency Service Area County(ies) 45
dAgency.08 – EMS Agency Service Zip Codes 46
Statistical Information 47
dAgency.15 – Statistical Information 48
dAgency.16 – Total Primary Service Area Size 49
dAgency.17 – Total Service Area Population 50
dAgency.18 – 911 EMS Call Center Volume per Year 51

dAgency.19 – EMS Dispatch Volume per Year 52
dAgency.20 – EMS Patient Transport Volume per Year 53
dAgency.21 – EMS Patient Contact Volume per Year 54
Contact Information 55
dContact.01 – Agency Contact Type 56
dContact.02 – Agency Contact Last Name 57
dContact.03 – Agency Contact First Name 58
dContact.10 – Agency Contact Phone Number 59
dContact.11 – Agency Contact Email Address 60
State Configuration 61
dConfiguration.01 – State Associated with the Certification/Licensure Levels 62
dConfiguration.02 – State Licensure Levels 63
dConfiguration.03 – Procedures Permitted by State 64
dConfiguration.04 – Medications Permitted by State 65
dConfiguration.05 – Protocols Permitted by State 66
dConfiguration.05 - Protocols Permitted by State Code List 1 67
dConfiguration.05 - Protocols Permitted by State Code List 2 68
dConfiguration.05 - Protocols Permitted by State Code List 3 69
Agency Configuration 70
dConfiguration.06 – EMS Licensure Level to Perform Each Procedure 71
dConfiguration.07 – EMS Agency Procedures 72
dConfiguration.08 – EMS Licensure Level Permitted to Administer Each Medication 73
dConfiguration.09 – EMS Agency Medications 74
dConfiguration.10 – EMS Agency Protocols 75
dConfiguration.10 – EMS Agency Protocols Code List 1 76
dConfiguration.10 – EMS Agency Protocols Code List 2 77
dConfiguration.10 – EMS Agency Protocols Code List 3 78
dConfiguration.11 – EMS Agency Specialty Service Capability 79
Vehicle 80
dVehicle.01 – Unit/Vehicle Number 81
dVehicle.02 – Vehicle Identification Number 82
dVehicle.03 – EMS Unit Call Sign 83
dVehicle.04 – Vehicle Type 84

dVehicle.05 – Crew State Licensure Levels 85
Personnel 86
dPersonnel.01 – EMS Personnel's Last Name 87
dPersonnel.02 – EMS Personnel's First Name 88
dPersonnel.03 – EMS Personnel's Middle Name/Initial 89
dPersonnel.24 – EMS Personnel's State Licensure Level 90
dPersonnel.23 – EMS Personnel's State Licensure ID Number 91
Facility 92
dFacility.02 – Facility Name 93
dFacility.03 – Facility Location Code 94
dFacility.07 – Facility Street Address 95
dFacility.08 – Facility City 96
dFacility.09 – Facility State 97
dFacility.11– Facility County 98
EMS Event 99
eRecord.01 – Patient Care Report Number 100
eRecord.02 – Software Creator 101
eRecord.03 – Software Name 102
eRecord.04 – Software Version 103
eResponse.01 – EMS Agency Number 104
eResponse.02 – EMS Agency Name 105
eResponse.03 – Incident Number 106
eResponse.04 – EMS Response Number 107
eResponse.07 – Primary Role of the Unit 108
eResponse.13 – EMS Vehicle (Unit) Number 109
eResponse.14 – EMS Unit Call Sign 110
eResponse.15 – Level of Care of This Unit 111
eCrew.01 – Crew Member ID 112
eCrew.02 – Crew Member Level 113
eCrew.03 – Crew Member Response Role 114
eTimes.01 – PSAP Call Date/ Time 115
eTimes.02 – Dispatch Notified Date/Time 116
eDispatch.01 – Complaint Reported by Dispatch 117

eDispatch.01 – Complaint Reported by Dispatch Code List part 1 118
eDispatch.01 – Complaint Reported by Dispatch Code List part 2 119
eDispatch.02 – EMD Performed 120
eResponse.08 – Type of Dispatch Delay 121
eResponse.05 – Type of Service Requested 122
eResponse.06 – Standby Purpose 123
eTimes.03 – PSAP Call Date/ Time 124
eResponse.19 – Beginning Odometer Reading of Responding Vehicle 125
En Route 126
eTimes.05 – Unit En Route Date/Time 127
eResponse.23 – Response Mode to Scene 128
eResponse.24 – Additional Response Mode Descriptors 129
eResponse.09 – Type of Response Delay 130
eTimes.14 – Unit En Route Date/Time 131
Scene 132
eTimes.05 – Unit Arrived on Scene Date/Time 133
eResponse.20 – On-Scene Odometer Reading of Responding Vehicle 134
eScene.01 – First EMS Unit on Scene 135
eScene.02 – Other EMS or Public Safety Agencies at Scene 136
eScene.04 – Type of Other Service at Scene 137
eScene.06 – Number of Patients at Scene 138
eScene.07 – Mass Causality Incident 139
eScene.09 – Incident Location Type 140
eScene.10 – Incident Facility Code 141
eScene.11 – Scene GPS Location 142
eScene.14 – Mile Post or Major Roadway 143
eScene.15 – Incident Street Address 144
eScene.16 – Incident Apartment, Suite, or Room 145
eScene.17 – Incident City 146
eScene.18 – Incident State 147
eScene.19 – Incident Zip Code 148
eScene.20 – Scene Cross Street or Directions 149
eScene.21 – Incident County 150

eResponse.10 – Type of Dispatch Delay 151
eTimes.09 – Unit Left on Scene Date/Time 152
Patient 153
eTimes.07 – Arrived at Patient Date/Time 154
eTimes.07 – Arrived at Patient Date/Time Business Rule(s) part 1 155
eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 2 156
eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 3 157
eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 4 158
eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 5 159
ePatient.02 – Last Name 160
ePatient.03 – First Name 161
ePatient.04 – Middle Initial/ Name 162
ePatient.06 – Patient's Home City 163
ePatient.07 – Patient's Home County 164
ePatient.08 – Patient's Home State 165
ePatient.09 – Patient's Home Zip Code 166
ePatient.12 – Social Security Numbe 167
ePatient.13 – Gender 168
ePatient.14 – Race 169
ePatient.15 – Age 170
ePatient.16 – Age Units 171
ePatient.17 – Date of Birth 172
eHistory.01 – Barriers to Patient Care 173
eHistory.17 – Alcohol/Drug Use Indicators 174
eHistory.05 – Advance Directives 175
eHistory.06 – Medication Allergies 176
eHistory.08 – Medical/Surgical History 177
eHistory.12 – Current Medications 178
ePayment.01 – Primary Method of Payment 179
ePayment.50 – CMS Service Level 180
ePayment.51 – EMS Condition Code 181
eTimes.08 – Transfer of EMS Patient Care Date/Time 182
Assessment 183

eSituation.02 – Possible Injury 184
eSituation.03 – Complaint Type 185
eSituation.04 – Complaint 186
eSituation.05 – Duration of Complaint 187
eSituation.06 – Time Units of Duration of Complaint 188
eSituation.07 – Chief Complaint Anatomic Location 189
eSituation.08 – Chief Complaint Organ System 190
eSituation.09 – Primary Symptom 191
eInjury.01 – Cause of Injury 193
eInjury.01 – Cause of Injury Business Rule(s) 194
eInjury.02 – Mechanism of Injury 195
eSituation.11 – Provider's Primary Impression 196
eSituation.12 – Provider's Secondary Impressions 197
eSituation.01 – Date/Time Of Symptom Onset 198
eSituation.18 – Date/Time Last Known Well 199
eInjury.13 – Initial Patient Acuity 200
eExam.01 – Estimated Body Weight in Kilograms 201
eExam.01 – Estimated Body Weight in Kilograms Business Rule(s)l 202
eExam.02 – Length Based Tape Measure 203
eExam.03 – Date/Time of Assessment 204
eExam.08 – Chest/ Lungs Assessment 205
eExam.08 – Chest/Lungs Assessment Code List 206
eExam.20 – Neurological Assessment 208
eExam.21 – Stroke/CVA Symptoms Resolved 209
eInjury.04 – Vehicular, Pedestrian, or Other Risk Factor 210
eInjury.05 – Main Area of the Vehicle Impacted by the Collision 211
eInjury.06 – Location of Patient in Vehicle 212
eInjury.07 – Use of Occupant Safety Equipment 213
eInjury.08 – Airbag Deployment 214
eInjury.09 – Height of Fall (feet) 215
eInjury.03 – Trauma Center Criteria 216
eScene.08 – Triage Classification for MCI Patient 217
eProtocols.01 – Protocols Used 218

eProtocols.01 - Protocols Used Code List part 1 219
eProtocols.01 - Protocols Used Code List part 1 220
eProtocols.01 - Protocols Used Code List part 1 221
eProtocols.02 – Protocol Age Category 222
eDisposition.24 – Destination Team Pre-Arrival Alert or Activation 223
eDisposition.25 – Date/Time of Destination Pre-arrival Alert or Activation 224
eDisposition.25 - Date/Time of Destination Pre-arrival Alert or Activation 225
Business Rule(s) 225
cStroke.01 - Stroke Exclusion 226
cStroke.02 – Stroke Mental Status 227
cStroke.03 – Stroke Nervous System Assessment 228
cStroke.04 – Stroke Closed Eye Limb Assessment 229
cStroke.05 – Stroke Open Eye Limb Assessment 230
cTrauma.01 – ATCC Notification 231
cTrauma.02 – ATCC Recommendation 232
cTrauma.03 – ATCC Recommendation Not Followed, Why 233
cTrauma.04 – Trauma Severity 234
eOutcome.03 – External Report ID/Number Type 235
eOutcome.04 – External Report ID/ Number 236
Vitals 237
eVitals.01 –Date/Time Vital Signs Taken 238
eVitals.01 – Date/Time Vital Signs Taken Business Rule(s) part 1 239
eVitals.01 – Date/Time Vital Signs Taken Business Rule(s) part 2 240
eVitals.01 – Date/Time Vital Signs Taken Business Rule(s) part 3 241
eVitals.02 – Obtained Prior to this Unit's EMS Care 242
eVitals.02 – Obtained Prior to this Unit's EMS Care Business Rule(s) 243
eVitals.03 – Cardiac Rhythm/ Electrocardiography (ECG) 244
eVitals.03 – Cardiac Rhythm/ Electrocardiography (ECG) Code List 245
eVitals.04 – ECG Type 246
eVitals.05 – Method of ECG Interpretation 247
eVitals.06 – SBP (Systolic Blood Pressure) 248
eVitals.07 – DBP (Diastolic Blood Pressure) 249
eVitals.08 – Method of Blood Pressure Measurement 250

eVitals.10 – Heart Rate 251
eVitals.12 – Pulse Oximetry 252
eVitals.14 – Respiratory Rate 253
eVitals.15 – Respiratory Effort 254
eVitals.16 – Carbon Dioxide (CO2) 255
eVitals.17 – Carbon Monoxide (CO) 256
eVitals.18 – Blood Glucose Level 257
eVitals.19 – Glasgow Coma Score - Eye 258
eVitals.20 – Glasgow Coma Score - Verbal 259
eVitals.21 – Glasgow Coma Score - Motor 260
eVitals.22 – Glasgow Coma Score - Qualifier 261
eVitals.23 – Total Glasgow Coma Score 262
eVitals.26 – Level of Responsiveness (AVPU) 263
eVitals.27 – Pain Scale Score 264
eVitals.28 – Pain Scale Type 265
eVitals.29 – Stroke Scale Score 266
eVitals.30 – Stroke Scale Type 267
eVitals.31 – Reperfusion Checklist 268
eVitals.32 – APGAR 269
eVitals.33 – Revised Trauma Score 270
Procedures 271
eProcedures.01 – Date/Time Procedure was Performed 272
eProcedures.02 – Procedure Performed Prior to this Unit's EMS Care 273
eProcedures.03 – Procedure 274
eProcedures.03 – Procedure Business Rule(s) 275
eProcedures.05 – Number of Procedure Attempts 276
eProcedures.06 – Procedure Successful 277
eProcedures.07 – Procedure Complication 278
eProcedures.08 – Response to Procedure 279
eProcedures.09 – Procedure Crew Member ID 280
eProcedures.10 – Role/Type of Person Performing Procedure 281
eProcedures.11 – Procedure Authorization 282
eProcedures.13 – Vascular Access Location 283

Medications 284
eMedications.01 – Date/Time Medication Administered 285
eMedications.02 – Medication Administered Prior to this Unit's EMS Care 286
eMedications.03 – Medication Given 287
eMedications.03 – Medication Given Business Rule(s) 288
eMedications.04 – Medication Administered Route 289
eMedications.05 – Medication Dosage 290
eMedications.06 – Medication Dosage Units 291
eMedications.06 – Medication Dosage Units Code List 292
eMedications.07 – Response to Medication 293
eMedications.08 – Medication Complication 294
eMedications.09 – Medication Crew (Healthcare Professional) ID 295
eMedications.10 – Role/Type of Person Administering Medication 296
eMedications.11 – Medication Authorization 297
Cardiac Arrest 298
eArrest.01 – Cardiac Arrest 299
eArrest.01 – Cardiac Arrest Business Rule(s) part 1 300
eArrest.01 – Cardiac Arrest Business Rule(s) part 2 301
eArrest.02 – Cardiac Arrest Etiology 302
eArrest.03 – Resuscitation Attempted by EMS 303
eArrest.03 – Resuscitation Attempted by EMS Business Rule(s) part 1 304
eArrest.03 – Resuscitation Attempted by EMS Business Rule(s) part 2 305
eArrest.04 – Resuscitation Attempted by EMS 306
eArrest.05 – Resuscitation Attempted by EMS 307
eArrest.06 – Who Provided CPR Prior to EMS Arrival 308
eArrest.07 – AED Use Prior to EMS Arrival 309
eArrest.08 – Who Used AED Prior to EMS Arrival 310
eArrest.09 – Type of CPR Provided 311
eArrest.11 – First Monitored Arrest Rhythm of the Patient 312
eArrest.12 – Any Return of Spontaneous Circulation 313
eArrest.14 – Date/Time of Cardiac Arrest 314
eArrest.15 – Date/Time Resuscitation Discontinued 315
eArrest.16 – Reason CPR/Resuscitation Discontinued 316

eArrest.17 – Cardiac Rhythm on Arrival at Destination 317
eArrest.17 – Cardiac Rhythm on Arrival at Destination Code List 318
eArrest.18 – End of EMS Cardiac Arrest Event 319
Invasive Airway 320
eAirway.01 – Indications for Invasive Airway 321
eAirway.02 – Date/Time Airway Device Placement Confirmation 322
eAirway.03 – Airway Device Being Confirmed 323
eAirway.04 – Airway Device Placement Confirmed Method 324
eAirway.04 – Airway Device Placement Confirmed Method Business Rule(s) 325
eAirway.08 – Airway Complications Encountered 326
eAirway.09 – Suspected Reason for Failed Airway Management 327
Transport 328
eDisposition.01 – Destination/ Transferred To, Name 329
eDisposition.02 – Destination/ Transferred To, Code 330
eDisposition.02 – Destination/ Transferred To, Code Business Rule(s) part 1 331
eDisposition.02 – Destination/ Transferred To, Code Business Rule(s) part 2 332
eDisposition.03 – Destination Street Address 333
eDisposition.04 – Destination City 334
eDisposition.05 – Destination State 335
eDisposition.06 – Destination County 336
eDisposition.07 – Destination Zip Codes 337
eDisposition.11 – Number of Patients Transported in this EMS Unit 338
eDisposition.16 – EMS Transport Method 339
eDisposition.17 – Transport Mode from Scene 340
eDisposition.17 – Transport Mode from Scene Business Rule(s) 341
eDisposition.17 – Additional Transport Mode Descriptors 342
eTimes.10 – Arrival at Designation Landing Area Date/Time 343
eTimes.11 – Patient Arrived at Destination Date/Time 344
eDisposition.20 – Reason for Choosing Destination 345
eDisposition.20 – Reason for Choosing Destination Business Rule(s) 346
eDisposition.21 – Type of Destination 347
eDisposition.19 – Final Patient Acuity 348
eDisposition.22 – Hospital In-Patient Destination 349

eDisposition.23 – Hospital Capability 350
eResponse.21 – Patient Destination Odometer Reading of Responding Vehicle 351
eResponse.11 – Type of Transport Delay 352
eTimes.12 –Destination Patient Transfer of Care Date/Time 353
Finalize 354
eDisposition.12 – Incident/Patient Disposition 355
eResponse.22 – Ending Odometer Reading of Responding Vehicle 356
eTimes.13 – Unit Back in Date/Time 357
eResponse.12 – Type of Turn-Around Delay 358
eNarrative.01 – Patient Care Report Narrative 359
eOther.04 – EMS Professional (Crew Member) ID 360
eOther.05 – Suspected EMS Work Related Exposure, Injury, or Death 361
eOutcome.01 – Emergency Department Disposition 362
eOutcome.01 – Emergency Department Disposition Code List 363
eOutcome.02 – Hospital Disposition 364
eOutcome.02 – Hospital Disposition Code List 365
Appendix 366
eTimes Format 366
Definitions 367
Patient Disposition 367
Assist, Unit 367
Patient Treated, Transported by EMS 367
Cancelled (Prior to Arrival at Scene) 367
No Patient Found (Cancelled on Scene) 367
No Patient Contact (Cancelled on Scene) 367
Patient Treated, Transferred Care to Another EMS Professional - 367
Patient Treated, Transported by Law Enforcement 367
Patient Evaluated, No Treatment/Transport Required 367
Patient Refused Evaluation/Care (Without Transport) 367
Patient Refused Evaluation/Care (With Transport) 367
Patient Treated, Released (AMA) 367
Patient Treated, Released (per protocol) 367
Patient Dead at Scene - No Resuscitation Attempted (Without Transport) 367

Patient Dead at Scene- Resuscitation Attempted (Without Transport) 367
Standby 367
Type of Service Requested 367
911 Response (Scene) 367
911 Response (Inter-Facility Transport) 368
Inter-Facility Transport (Routine) 368
Medical Transport 368
Mutual Aid 368
Standby 368
Intercept 368
Public Assistance/Other Not Listed 368
Incident Location Type (Selected Definitions) 368
Private Residence 368
Institutional (nonprivate) residence 368
Farm 368
Mine or Pit 368
Athletic Field(Outdoor) 368
Athletic Court(Indoor) 368
Street, highway and other paved roadways 368
Unspecified street and highway (including unpaved) 369
Other specified public building 369
Trade or Service Area 369
Ambulatory Health Services Establishments 369
Lake/River 369
Wilderness area 369
Other Wilderness area 369

Purpose of This Document

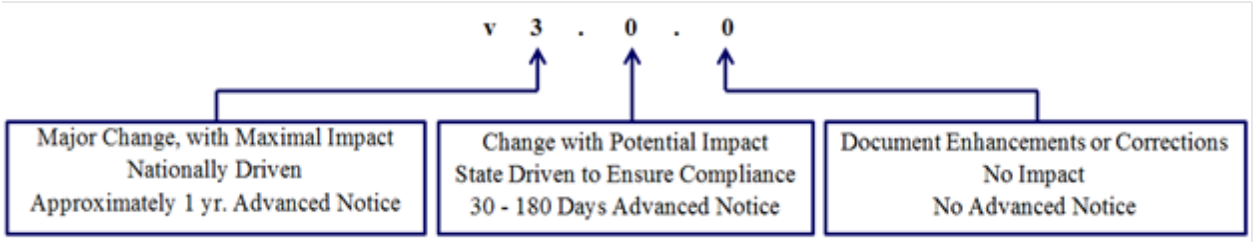
The Arkansas Version 3 Data Dictionary provides a detailed list of Arkansas's and resource information for the minimum EMS dataset and quality requirements. EMS data submission is mandated by EMS Rules and Regulations Section III.A.2-3 (page 11). All of the elements contained in this document are required to be submitted by all licensed Arkansas EMS Agencies. All EMS responses are required to be submitted to OEMS within 30 days in the format prescribed by the OEMS. There are no exceptions to the minimum dataset made for any third party vendor software. This document is a "living document" and the most recent version can be found within the OEMS Web site.

Agencies may submit above and beyond this minimum dataset if they desired to collect further information on an agency, locality, or regional level. Arkansas will collect all NEMSIS v3 data elements.

Reason for Revision(s)

Arkansas Version 3 Data Dictionary was produced to allow Arkansas to remain current with the National EMS Information System (NEMSIS) version 3 Data Dictionary. To improve communication and better track historical changes to the data dictionary OEMS will begin utilizing a versioning process when updating the Arkansas data dictionary. The version number will use a three digit description of the version of the data dictionary. Figure 1 provides a description of how the version numbers will be utilized.

Figure 1

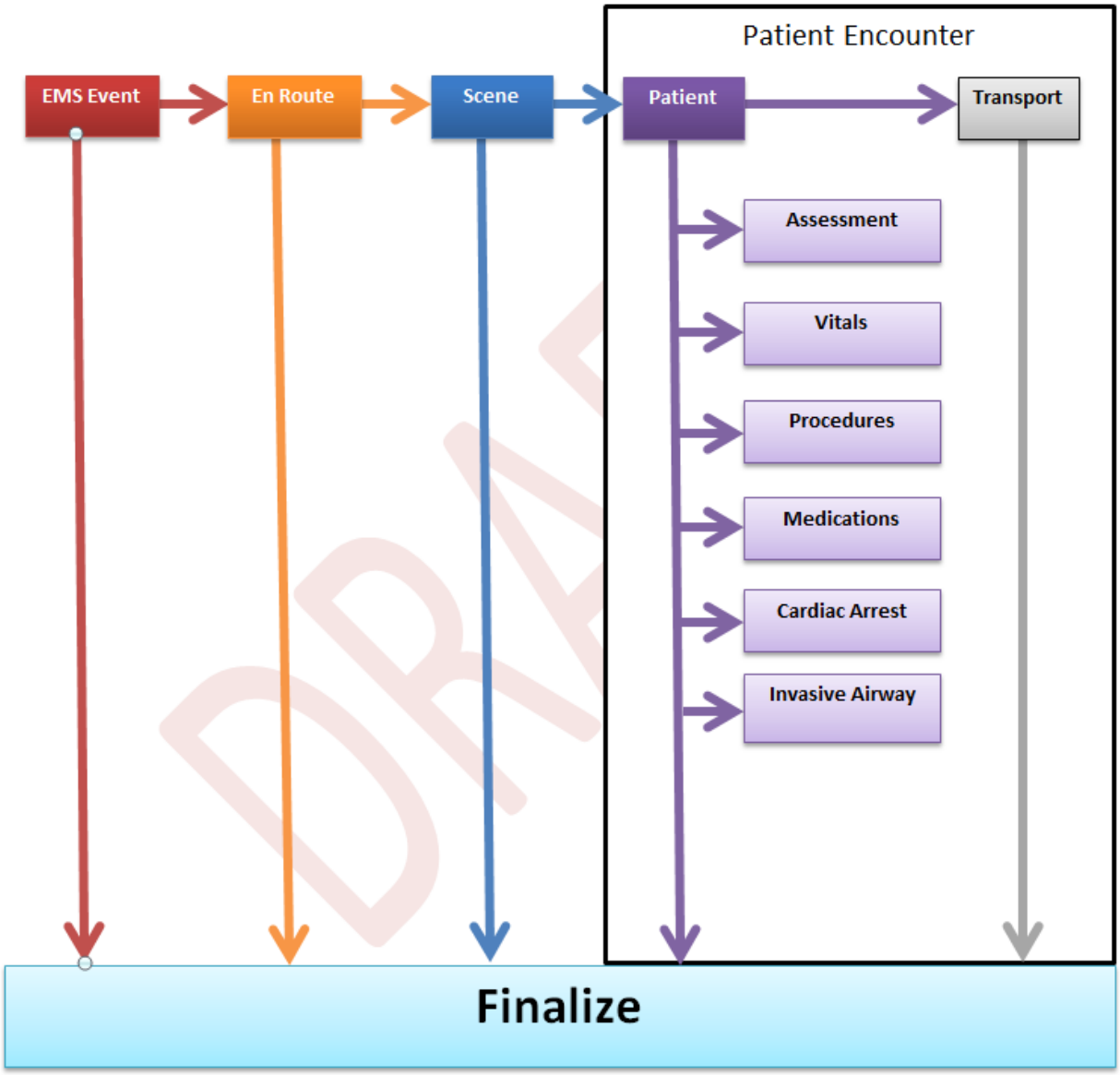


Note: All notices will be sent via e-mail to the primary contact as provided by each agency as part of the minimum dataset. OEMS is not responsible for notice beyond this primary e-mail contact.

Acknowledgement

The National EMS Information System Technical Assistance Center or the NEMSIS TAC is responsible for the development and maintenance of the NEMSIS dataset of which the Arkansas EMS dataset is "based." This document is Arkansas specific and is the product of the ADH/Section of EMS and not NEMSIS or ADH/Section of EMS vendor of contract which is currently

Arkansas Event Diagram



NEMSIS Overview and Summary

The NEMSIS data dictionary was developed through a collaborative effort with the EMS industry including: web-based reviews, public comment periods, focus groups, industry dialogue, topic focused projects, and consensus. The National EMS Information System Version 3 represents a major revision from version 2 released in 2005. Adopting a broad perspective, the initiative to move to a 3rd version of the NEMSIS data dictionary was fueled by the need to improve data quality, enhance our ability to assess EMS performance, augment the flexibility of the standard for state adoption and, to move the NEMSIS standard into the Health Level 7 (HL7) organization for approval as an American National Standards Institute (ANSI) standard. NEMSIS Version 3 Element Configuration from v2.2.1

NEMSIS NHTSA Uniform PreHospital Dataset	Version 2.2.1	Version 3.3.4	Version 3.4.0
Demographic (Agency) NEMSIS Version 3 DataElements	**110 (26%)**	**155 (27%)**	**157**
Existing (version 2.2.1)	88 (80%)	87 (56%)	87 (55.5%)
New		68 (44%)	70 (44.5%)
Retired	22 (20%)		
EMS (ePCR) NEMSIS Version 3 Data Elements	**315 (74%)**	**423 (73%)**	**428**
Existing (version 2.2.1)	258 (82%)	260 (61%)	258 (60%)
New		165 (39%)	170 (40%)
Retired	57 (18%)		2
Overall Total NEMSIS Version 3 Data Elements	**425**	**578**	**585**
Existing (version 2.2.1)	346 (81%)	347 (60%)	345 (59%)
New		232 (40%)	240 (41%)
Retired	79 (19%)		2

NEMSIS Version 3 Element Configuration
Total Elements including the Custom Elements: 585
Excluding the 12 Demographic & 12 EMS (ePCR) Custom Elements = 561

Total National Elements	165	Total State Elements	104	Total "Other" Element	316
Mandatory	37	Recommended	83	Excluding the custom elements	292
Required	128	Optional	21	Demographic (Agency) Elements	90
Demographic (Agency) Elements	35	Demographic (Agency) Elements	32	Excluding the custom elements	78
Mandatory	22	Recommended	32	EMS (ePCR) Elements	226
Required	13	Optional	0	Excluding the custom elements	214
EMS (ePCR) Elements	130	EMS (ePCR) Elements	72		
Mandatory	15	Recommended	51		
Required	115	Optional	21		

NEMSIS Version 3.4.0 CR 1 Data Dictionary Content
**Note: The numbers to the right of the content listed below represent the location for each element on the Sample Page of the Data Dictionary (page 19).

1. Data Element Number (#1)
    a. The NEMSIS Version 3 element numbering system has been revised to improve the information that can be derived from just the data element number. An example of a data element number is dAgency.01.
        i. The data element number begins with either a "d" representing the demographic (agency) section or an "e" representing the EMS PCR section.
        ii. A one word descriptor for each section is now included in the data element number.
        iii. A period separates the section (e.g. dAgency) from the data element number (e.g. 01).
2. Data Element Name (#3)
    a. The name for the data element.
3. National and State Element Indicator (#2, #5, #6)
    a. National = Yes, is an indication that the data element is required to be collected:
        i. at the local EMS agency level and submitted to the state
    b. State = Yes, is an indication that the data element is recommended to be collected at the "State" level.
4. Data Element Definition (#4)
    a. The definition for the data element.
5. Version 2 Number (#7)
    a. The NEMSIS Version 2.2.1 Data Element Number.
    b. If the Data Element is new to Version 3.4.0 CR 1, the Version 2 Number will be blank.
6. Data Structure Information
    a. Recurrence (#12)
        i. Indication that the data element can have more than one value.
            1. Represented by two characters separated by a colon. The configuration includes:
                a. 0:1 = element is not required and can occur only once
                b. 0:M = element is not required and can repeat multiple times
                c. 1:1 = element is required and can occur only once
                d. 1:M = element is required and can repeat multiple times
    b. Usage (#8)
        i. Indication of when the data element is expected to be collected.
            1. Mandatory = Must be completed and does not allow for NOT values
            2. Required = Must be completed and allows NOT values
            3. Recommended = Does not need to be completed and allows NOT values
            4. Optional = Does not need to be completed and does not allow for NOT values
    c. NOT Value Characteristics (#10)
        i. Indication that the data element can have NOT values.
        ii. NOT Values are used (where permitted) to document that a data element was not applicable to the EMS response / request for service, was not or could not be completed.
        iii. NOT Values are documented as "an attribute" of an element. It allows the documentation of NOT value when a "real" value is not documented. *(Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill.)*
    d. NOT Values Accepted (#14)
        i. Indication of which of the following three NOT values is acceptable.
        ii. Not all data elements accept NOT values.
        iii. NOT Values have been condensed in Version 3.

1. Not Applicable = *The data element is not applicable or pertinent to the EMS event.*
2. Not Recorded = *If a data element was unintentionally left blank the EMS software should auto-populate it with "Not Recorded".*
3. Not Reporting = *The data element is not collected by the EMS agency or state. This NOT value does not apply to National elements where "Usage = Required".*

e. Pertinent Negative Values (PN) (#9, #14)
   i. A list of Pertinent Negative Values which can be associated with a data element.
   ii. <u>Not all data elements accept Pertinent Negative Values.</u>
   iii. Pertinent Negative Values are documented as "an attribute" of an element. It allows the documentation of pertinent negative value in addition to the documentation of a "real" value. *(Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill.)*
   iv. Example of use:
      1. Example #1 - Aspirin Administration:
         a. If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".
      2. Example #2 - Gunshot Wound Entry & Exit Assessment
         a. If the patient was injured by a gunshot the assessment should document not only the entry but the exit of the bullet. In the abdominal assessment if "Gunshot Wound-Entry" was documented in the Right Upper Quadrant the EMS professional should be looking for an exit wound. If upon assessment of the back/spine no "Gunshot Wound-Exit" was identified then both "Gunshot Wound-Exit" and the pertinent negative value of "Exam Finding Not Present" should be documented.

f. Is Nillable (#11)
   i. Indication that the element can accept a "blank" value.
   ii. If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

7. Associated Performance Measure Initiatives (#13)
   a. Indication that the data element has value in describing, defining, or measuring EMS from a performance perspective. Performance Measures can be associated with EMS service delivery, patient care, or both. The following service delivery or time dependent illness/injury performance measure topics have been included in NEMSIS Version 3:
      i. Airway - Airway Management
      ii. Cardiac Arrest - Out of Hospital Cardiac Arrest
      iii. Pediatric - Acute Pediatric Care
      iv. Response - EMS Response Time
      v. STEMI - ST Elevation Myocardial Infarction (STEMI)
      vi. Stroke - Acute Stroke Care
      vii. Trauma - Acute Injury/Trauma Care
      viii.
8. Attributes (#14)

a. An attribute provides extra information within an element. For information related to the first three attributes please see the NEMSIS document 'How to Utilize NEMSIS V3 "NOT values/pertinent negatives/nillable"'. The following are possible attributes:
    i. PN (Pertinent Negative)
        1. 8801001 - Contraindication Noted
        2. 8801003 - Denied By Order
        3. 8801005 - Exam Finding Not Present
        4. 8801007 - Medication Allergy
        5. 8801009 - Medication Already Taken
        6. 8801013 - No Known Drug Allergies
        7. 8801015 - None Reported
        8. 8801017 - Not Performed by EMS
        9. 8801019 - Refused
        10. 8801021 - Unresponsive
        11. 8801023 - Unable to Complete
    ii. NV (Not Value)
        1. 7701001 - Not Applicable
        2. 7701003 - Not Recorded
        3. 7701005 - Not Reporting
    iii. Nillable xsi:nil="true"
    iv. Code Type
        1. 3001001 = No
        2. 3001003 = Yes, Prior to EMS Arrival
        3. 3001005 = Yes, After EMS Arrival
    v. CorrelationID
        1. Date Type = String
        2. minLength = 0
        3. maxLength = 255
    vi. DistanceUnit
        1. 9921001 - Kilometers
        2. 9921003 - Miles
    vii. EmailAddressType
        1. 9904001 - Personal
        2. 9904003 - Work
    viii. nemsisCode
        1. Date Type = String

ix. nemsisElement
    1. Date Type = String
x. nemsisValueDescription
    1. Date Type = String
xi. PhoneNumberType
    1. 9913001 - Fax
    2. 9913003 - Home
    3. 9913005 - Mobile
    4. 9913007 - Pager
    5. 9913009 - Work
xii. ProcedureGroupCorrelationID
    1. Date Type = CorrelationID
xiii. StreetAddress2
    1. Date Type = String
    2. minLength = 1
    3. maxLength = 55
xiv. TIMESTAMP
    1. Date Type = DateTime
    2. minValue = 1950-01-01T00:00:00-00:00
    3. maxValue = 2050-01-01T00:00:00-00:00
xv. VelocityUnit
    1. 9921001 - Kilometers
    2. 9921003 - Miles

9. Code List (#16)
    a. A list of values associated with the data element. Not all data elements have predefined value sets.
    b. Codes for each value:
        i. The codes are based on a 7-digit number, in a 2-2-3 pattern (without dashes).
            1. The first set of two numbers represent the data section
            2. The second set of two numbers represent the element number
            3. The last set is a 3-digit number for each value beginning at 001; The codes increase in increments of two (2).
        ii. Codes are typically sequential (by two) and alphabetical. Some ordering is provided in an effort to present information based on workflow.
        iii. Several values and codes reference external standards such as ICD-10, RxNorm, SNOMED, etc. NEMSIS will assist in providing a recommended list of EMS specific values and codes from these larger standards for most elements using these external standards.
        iv.
10. Data Element Editorial Comments (#17)

    a. Comments are provided to describe additions, changes, clarifications, or provide additional insight into the data element.
11. Version 3 Changes Implemented (#18)
    a. Comments providing insight into specific Version 3 changes such as new or revised data elements.
12. Element Deprecated(#19)
    a. Elements that are signified as "deprecated" will be removed from a future version of the NEMSIS standard. Their use should now be avoided, but will be supported until they are removed from the standard.
13. NEMSIS Version 3.4.0 CR 1 Change Summary
14. NEMSIS Version 3 includes several new types of information to better describe EMS from an industry, workforce, EMS service delivery, and patient care perspective. Examples of new Version 3 content include:
15.

    Demographic (Agency) Content
    a. EMS Agencies can list more than one state in which they offer EMS service delivery.
    b. EMS Agencies can indicate multiple Agency numbers.
    c. Multiple EMS Agency contacts can now be managed within the Demographic Section.
    d. EMS Agency Location and GIS information has been enhanced.
    e. EMS Professional and Workforce information has been enhanced.
16.

    EMS (PCR) Content
    a. EMS Crew level information has been enhanced
    b. Scene location information has been enhanced to improve geo-coding and location analysis.
    c. Provider Impression (diagnosis), Symptoms, Cause of Injury, Medical/Surgical History, and Incident Location are now based on ICD-10.
    d. Procedures are now based on SNOMED.
    e. Medications are now stored using the RxNorm standard
    f. Cardiac Arrest information has been enhanced to add focus on CPR and post arrest cooling.
    g. Automated Collision Notification information has been included.
    h. The data elements required to document and evaluate the CDC Field Triage Algorithm for trauma have been included.
    i. Vital Sign and patient monitoring information have been enhanced
    j. A new section for Laboratory and Diagnostic Imaging results has been added.
    k. The Exam section has been reconfigured to improve documentation and ease of use.
    l. Much of the medical device information has been mapped into the vital sign section for direct import via the XML standard.
    m. Inclusion of electronic signatures and external electronic documents.
    n. An Airway section has been added to better document and evaluate airway management.
    o. Improved Work Related Illness and Injury documentation capability.
    p. Disposition information has been enhanced especially associated with Specialty Centers and time dependent illness/injury Systems of Care.
    q. EMS Response and Transport Modes have been enhanced to better define emergent, non-emergent, scheduled, and non-scheduled variation.
    r. EMS Response and Transport Mode Descriptors have been added to allow for documentation of Lights and Sirens Use and Intersection Navigation tools.
    s. The Payment/Billing section has been greatly expanded to meet current electronic billing requirements.
    t. Outcome information has been expanded to include additional Emergency Department and Hospital Outcome information (often obtained through linkage).

17.

General Improvements

a. Version 3 content has focused on objective performance measures to better describe and evaluate EMS service delivery and patient care.
b. State level configuration and customized data elements have been enhanced without changing the NEMSIS Version 3 Standard.

19 Deprecated

1 eMedications.01

2 State National

3 eMedications.01 - Date/Time Medication Administered

4 Definition

The date/time medication administered to the patient

5 National Element	Yes	Pertinent Negatives (PN)	Yes	9
6 State Element	Yes	NOT Values	Yes	10
7 Version 2 Element	E18_01	Is Nillable	Yes	11
8 Usage	Required	Recurrence	1 : M	12

13 Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

14 Attributes

NOT Values
7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Pertinent Negatives
8801001 - Contraindication Noted 8801003 - Denied By Order 8801007 - Medication Allergy
8801009 - Medication Already Taken 8801019 - Refused 8801023 - Unable to Complete

Email Address
9904001 - Personal 9904003 - Work

Phone Number
9913001 - Fax 9913003 - Home 9913005 - Mobile 9913007 - Pager 9913009 - Work

Current Status
A - Active I - Inactive

Current Status Date
Data Type: DateTime **minInclusive:** 1950-01-01T00:00:00 **maxInclusive:** 2050-01-01T00:00:00
Pattern: [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Correlation ID
Data Type: String **minLength:** 0 **maxLength:** 255

15 Constraints

Data Type	minValue	maxValue
dateTime	1950-01-01T00:00:00	2050-01-01T00:00:00

Pattern
[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

16 Code List

Code	Description
SSEE001	Value A
SSEE003	Value B
SSEE005	Value C

17 Data Element Comment

Comments for this element

18 Version 3 Changes Implemented

Version 3 Changes implemented for this element

EMS Agency

dAgency.01 – EMS Agency Unique State ID

Arkansas National

Definition

The unique ID assigned to the EMS Agency which is associated with all state licensure numbers and information.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	50

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This may be the EMS Agency Name or a unique number assigned by the state EMS office. This is required to document multiple license types and numbers associated with the same EMS Agency.

dAgency.02 - EMS Agency Number

Arkansas | National

Definition

The state-assigned provider number of the responding agency

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_01	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	15

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event section.

dAgency.03 - EMS Agency Name

Arkansas

Definition

The formal name of the agency.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D01_02	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 Not Applicable	7701003 Not Recorded	7701005 Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	100

Business Rule(s)

Rule 1:	EMS Agency Name (dAgency.03) field cannot equal "Not Applicable"
Rule 2:	EMS Agency Name (dAgency.03) field cannot equal "Not Reporting".
Rule 3:	EMS Agency Name (dAgency.03) field cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

dAgency.04 - EMS Agency State

Arkansas | National

Definition

The state/territory which assigned the EMS agency number.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_03	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	totalDigits
Integer	2

Business Rule(s)

Rule 1: EMS Agency State (dAgency.04) field must match the GNIS code for the state of Arkansas.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This has been clarified to reflect that it is the state in which the EMS Agency resides and the state associated with the EMS Agency number.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dAgency.07 - EMS Agency Census Tracts

Arkansas National

Definition

The US census tracts in which the EMS agency formally provides service.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	2	255

Constraints

Pattern

[0-9]{11}

Business Rule(s)

Rule 1: Pending

Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

The format of the census tract number must be an 11-digit number, based upon the 2010 census, using the pattern: 2-digit State Code 3-digit County Code 6-digit Census Tract Number (no decimal) Example: NEMSIS TAC office (UT, Salt Lake County, Census Tract - located at 295 Chipeta Way, Salt Lake City, UT)49035101400

Census Tract Data Website (files and descriptions): http://www.census.gov/geo/maps-data/data/tract_rel_download.html

dAgency.09 – Primary Type of Service

Arkansas National

Definition

The primary service type provided by the agency.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_05	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Air Medical (Rotor Wing and Fixed Wing)
9920007	ALS Intercept
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfers, and Nursing Home)
9920015	Rescue
9920017	Community Paramedicine
9920019	Critical Care (Ground)

Business Rule(s)

Rule 1: EMS Agency State (dAgency.04) field must match the GNIS code for the state of Arkansas.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The Primary Type of Service is associated with each of the EMS Agency Numbers.

dAgency.10 – Other Type of Service

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D01_06	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	1:1

Code List

Code	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Air Medical (Rotor Wing and Fixed Wing)
9920007	ALS Intercept
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfers, and Nursing Home)
9920015	Rescue
9920017	Community Paramedicine
9920019	Critical Care (Ground)

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

If no other services are provided beyond the Primary Service Type, Not Applicable should be used. This should include all of the types of services not listed in (dAgency.09) Primary Type of Service.

dAgency.11 – Level of Service

Arkansas National

Definition

The level of service which the agency provides EMS care for every request for service (the minimum licensure level). This may be the license level granted by the state EMS office.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_07	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917021	Critical Care Paramedic
9917023	Community Paramedicine

Business Rule(s)

Rule 1: Level of Service (dAgency.11) cannot equal "Emergency Medical Responder".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The Level of Service is associated with the specific EMS Agency Number (dAgency.02) for the EMS Agency. For example a BLS licensed ambulance service (EMT) with AEMT or Paramedic on staff, the appropriate level of service is "EMT". This is because the care provided to patients is limited to BLS skills.

dAgency.12 – Organization Status

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_09	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
1016001	Mixed
1016003	Non-Volunteer
1016005	Volunteer

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The Organizational Status is associated with the EMS Agency and the specific EMS Agency Number (dAgency.02).

dAgency.13 – Organization Type

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_08	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
9912001	Fire Department
9912003	Governmental, Non-Fire
9912005	Hospital
9912007	Private, Nonhospital
9912009	Tribal

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Organizational Type is associated with the EMS Agency and the specific EMS Agency Number (dAgency.02).

dAgency.14 – Organization Tax Status

Arkansas National

Definition

The EMS Agencies business/corporate organizational tax status

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
1018001	For Profit
1018003	Other (ex. Government)
1018005	Not for Profit

Performance Measure

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Associated with the EMS Agency for the specific EMS Agency Number (dAgency.02).

dAgency.23 – EMS Agency Time Zone

Arkansas

Definition

The EMS Agencies business/corporate organizational tax status

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	D01_19	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Code List

Code	Description
1027001	All other time zones
1027003	GMT-04:00 Atlantic Time
1027005	GMT-05:00 Eastern Time
1027007	GMT-06:00 Central Time
1027009	GMT-07:00 Mountain Time
1027011	GMT-08:00 Pacific Time
1027013	GMT-09:00 Alaska
1027015	GMT-10:00 Hawaii
1027017	GMT-11:00 Midway Island, Samoa

Business Rule(s)

Rule 1: EMS Agency Time Zone (dAgency.23) must be answered from one of the field values for this element found in the Arkansas Data Dictionary.

Data Element Comment

Associated with each of the EMS Agency Number (dAgency.02). If more than one Time Zone is located within the EMS Agency service area, please choose the time zone covering the greatest volume of EMS events.

dAgency.24 – EMS Agency Daylight Saving Time Use

Arkansas

Definition

Indicate if the EMS Agency conforms to Daylight Savings Time.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	D01_20	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1: EMS Agency Daylight Savings Time Use (dAgency.24) must have been answered with one of the field values listed for this element in the Arkansas Data Dictionary.

Data Element Comment

Associated with each of the EMS Agency Number (dAgency.02). If the EMS Agency service area contains areas with variations in Daylight Savings Time implementation, choose the response which best represents the majority of the EMS events.

dAgency.25 – National Provider Identifier

Arkansas National

Definition

The National Provider Identifier issued by CMS.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_21	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	Length
String	10

Business Rule(s)

Rule 1: National Provider Identifier (dAgency.25) cannot equal "Not Recorded".

Data Element Comment

Only EMS Agencies billing for service will have an NPI number.

CMS (Centers for Medicare and Medicaid Services) NPI Registry lookup:
https://npiregistry.cms.hhs.gov/NPPESRegistry/NPIRegistryHome.do

dAgency.26 – Fire Department ID Number

Arkansas National

Definition

The National Provider Identifier issued by CMS.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
String	1	20

Business Rule(s)

Rule 1: Fire Department ID Number (dAgency.26) cannot equal "Not Recorded".

Data Element Comment

Fire Department ID was added to better integrate Fire Department EMS Agencies and linkage to other EMS related data systems such as NFIRS.
Added to better associate Fire and EMS licensure and operational identifiers.

dConfiguration.13 – EMD Provided to EMS Agency Service

Arkansas | National

Definition

Indication as to whether Emergency Medical Dispatch (EMD) is provided to the EMS Agency's service area.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
1213001	No
1213003	Yes, 100% if the EMS Agency Service Area
1213005	Yes, Less than 100% of the EMS Agency Service Area.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added to better document the implementation of Emergency Medical Dispatch. Associated with each EMS Agency and the specific EMS Agency Number (dAgency.02).

dConfiguration.14 – EMD Vendor

Arkansas

Definition

The National Provider Identifier issued by CMS.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D04_17	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:M

Attributes

NOT Values (NV)

7701001 Not Applicable	7701003 Not Recorded	7701005 Not Reporting

Constraints

Data Type	minLength	maxLength
String	0	100

Business Rule(s)

Rule 1:	Shall be provided when dConfiguration.13 equals "Yes"
Rule 2:	If EMD is not performed in the agency's service area 7701001/Not applicable should be submitted.

Data Element Comment

dConfiguration.15 – Patient Monitoring Capability(ies)

Arkansas National

Definition

The EMS Agency's patient monitoring capability which can be provided to any/all patients presenting to EMS.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Constraints

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
1215001	Capnography-Numeric
1215003	Capnography-Waveform
1215005	ECG-12 Lead or Greater
1215007	ECG-Less than 12 Lead (Cardiac Monitor)
1215009	Oximetry-Carbon Monoxide
1215011	Oximetry-Oxygen
1215013	Pressure Measurement-Invasive (Arterial, CVP, Swan, etc.)
1215015	Pressure Measurement-Non-Invasive (Blood Pressure, etc.)
1215017	Ventilator-Transport
1215019	Vital Sign Monitoring

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added to identify the patient monitoring capability of the EMS Agency. Associated with each EMS Agency Number (dAgency.02) since each EMS Agency Number may have a different capability within each EMS Agency. Other patient monitoring capability may exist but NEMSIS Version 3 only includes these specific capabilities.

dConfiguration.16 – Crew Call Sign

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D04_02	Is Nillable	Yes
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

dAgency.05 – EMS Agency Service Area States

Arkansas National

Definition

The states in which the EMS Agency provides services including the state associated with the EMS Agency Number.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	totalDigits
integer	2

Business Rule(s)

Rule 1:	EMS Agency Service Area States (dAgency.05) must have a code that matches a GNIS code for states.

Data Element Comment

Each state is captured as a group where the EMS agency provides service. The group includes dAgency.05, dAgency.06, dAgency.07, and Agency.08.

Element added to document all of the states in which the EMS agency provides services. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Service Area

dAgency.06 – EMS Agency Service Area County(ies)

Arkansas | National

Definition

The National Provider Identifier issued by CMS.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_04	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	Length
String	5

Business Rule(s)

Rule 1: EMS Agency Service Area County(ies) (dAgency.06) must have a code that matches a GNIS code for counties

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state. County codes are based on ISO/ANSI codes. It is a 5-digit code based on state (2-digit) and county (3-digit).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dAgency.08 – EMS Agency Service Zip Codes

Arkansas National

Definition

The ZIP codes for the EMS Agency's service area.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

Zip Codes Product Website:
https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

Statistical Information

dAgency.15 – Statistical Information

Arkansas | National

Definition

The ZIP codes for the EMS Agency's service area.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D01_10	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minInclusive	maxInclusive
Integer	1900	2050

Business Rule(s)

Rule 1:	Statistical Calendar Year (dAgency.15) cannot equal the current year or greater.
Rule 2:	At least one of Statistical Calendar Year (dAgency.15) must equal the previous calendar year (current year - 1).

Data Element Comment

Added Calendar Year to the definition to remove confusion noted in draft comments. Will allow multiple entries to allow data to be stored on several years. This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02) and elements dAgency.16 through dAgency.22.

dAgency.16 – Total Primary Service Area Size

Arkansas | National

Definition

The total square miles in the agency's service area.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_12	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Positive Integer	1	4,000,000

Business Rule(s)

Rule 1: Total Primary Service Area Size (dAgency.16) cannot equal "Not Applicable".

Rule 2: Total Primary Service Area (dAgency.16) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

dAgency.17 – Total Service Area Population

Arkansas | National

Definition

The total population in the agency's service area based if possible on year 2010 census data.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_13	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Positive Integer	1	4,000,000

Business Rule(s)

Rule 1: Total Service Area Population (dAgency.17) cannot equal "Not Applicable".

Rule 2: Total Primary Service Area (dAgency.16) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

dAgency.18 – 911 EMS Call Center Volume per Year

Arkansas National

Definition

The number of 911 calls received by the call center during the last calendar year

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_14	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Positive Integer	1	4,000,000

Business Rule(s)

Rule 1:	911 EMS Call Center Volume per Year (dAgency.18) cannot equal "Not Applicable".
Rule 2:	911 EMC Call Center Volume per Year (dAgency.18) cannot equal "Not Recorded".
Rule 3:	911 EMS Call Center Volume per Year (dAgency.18) must be less than or equal to the Total Primary Service Area Population (dAgency.17).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Name Clarified with "Call Center"

dAgency.19 – EMS Dispatch Volume per Year

Arkansas National

Definition

The number of EMS dispatches during the last calendar year

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_15	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Positive Integer	1	4,000,000

Business Rule(s)

Rule 1:	EMS Dispatch Volume per Year (dAgency.19) cannot equal "Not Applicable".
Rule 2:	EMS Dispatch Volume per Year (dAgency.19) cannot equal "Not Recorded".
Rule 3:	EMS Dispatch Volume per Year (dAgency.19) must be less than or equal to the Total Primary Service Area Population (dAgency.17).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

dAgency.20 – EMS Patient Transport Volume per Year

Arkansas | National

Definition

The number of EMS transports per year based on last calendar year.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_16	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Positive Integer	1	4,000,000

Business Rule(s)

Rule 1:	EMS Patient Transport Volume per Year (dAgency.20) cannot equal "Not Recorded".
Rule 2:	EMS Patient Transport Volume per Year (dAgency.20) must be less than or equal to EMS Patient Contact Volume per Year (dAgency.21).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

dAgency.21 – EMS Patient Contact Volume per Year

Arkansas | National

Definition

The number of EMS patient contacts per year based on last calendar year.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	D01_17	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Positive Integer	1	4,000,000

Business Rule(s)

Rule 1:	EMS Patient Contact Volume per Year (dAgency.21) cannot equal "Not Applicable".
Rule 2:	EMS Patient Contact Volume per Year (dAgency.21) cannot equal "Not Recorded".
Rule 3:	EMS Patient Contact Volume per Year (dAgency.21) must be less than or equal to the Total Primary Service Area Population (dAgency.17).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

Contact Information

dContact.01 – Agency Contact Type

Arkansas

Definition

The contact type within the EMS agency.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
1101001	Administrative Assistant
1101003	EMS Agency Director/Chief/Lead Administrator/CEO
1101005	EMS Assistant Agency Director/Chief/Administrator/CEO
1101007	EMS Assistant Medical Director
1101009	EMS IT/Data Specialist
1101011	EMS Medical Director
1101013	EMS Quality/Performance Improvement Specialist
1101015	EMS Training/Education Specialist
1101017	Other (Not Listed)

Business Rule(s)

Rule 1:	Agency Contact Type (dContact.01) cannot equal "Not Applicable".
Rule 2:	Agency Contact Type (dContact.01) cannot equal "Not Recorded".
Rule 3:	Agency Contact Type (dContact.01) cannot equal "Not Reporting".
Rule 4:	Agency Contact Type (dContact.01) cannot equal "Other (Not Listed)

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

dContact.02 – Agency Contact Last Name

Arkansas

Definition

The Last Name of the agency's primary contact.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D02_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	60

Business Rule(s)

Rule 1:	Agency Contact Last Name (dContact.02) cannot equal "Not Applicable".
Rule 2:	Agency Contact Last Name (dContact.02) cannot equal "Not Recorded".
Rule 3:	Agency Contact Last Name (dContact.02) cannot equal "Not Reporting".

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

dContact.03 – Agency Contact First Name

Arkansas

Definition

The first name of the agency's primary contact.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D02_03	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	50

Business Rule(s)

Rule 1:	Agency Contact First Name (dContact.03) cannot equal "Not Applicable".
Rule 2:	Agency Contact First Name (dContact.03) cannot equal "Not Recorded".
Rule 3:	Agency Contact First Name (dContact.03) cannot equal "Not Reporting".

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

dContact.10 – Agency Contact Phone Number

Arkansas

Definition

The first name of the agency's primary contact.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D02_08	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	1	50

PhoneNumberType

9913001 – Fax 9913003 - Home 9913005 - Mobile

9913007 - Pager 9913009 – Work

Constraints

Pattern

[2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9]

Business Rule(s)

Rule 1:	Agency Contact Phone Number (dContact.10) cannot equal "Not Applicable".
Rule 2:	Agency Contact Phone Number (dContact.10) cannot equal "Not Recorded".
Rule 3:	Agency Contact Phone Number (dContact.10) cannot equal "Not Reporting".
Rule 4:	Agency Contact Phone Number (dContact.10) cannot equal "Fax"
Rule 5:	Agency Contact Phone Number (dContact.10) cannot equal "Pager"

Data Element Comment

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

dContact.11 – Agency Contact Email Address

Arkansas

Definition

The primary email address of the Agency contact.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D02_10	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
String	0	255

Pattern

.+@+

Business Rule(s)

Rule 1:	Agency Contact Email Address (dContact.11) cannot equal "Not Applicable".
Rule 2:	Agency Contact Email Address (dContact.11) cannot equal "Not Recorded".
Rule 3:	Agency Contact Email Address (dContact.11) cannot equal "Not Reporting".

Data Element Comment

Must be a valid and working email address.

Each agency shall have a single point of contact that is responsible or has delegated responsibility for data submission. This is the primary form of communication for important system changes. Each agency is responsible to maintain this contact and the information provided through this contact.

State Configuration

dConfiguration.01 – State Associated with the Certification/Licensure Levels

Arkansas | National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

Data Type	Length
String	2

Business Rule(s)

Rule 1:	In one of the Configuration groups, the element State Associated with the Certification/Licensure Levels (dConfiguration.01) must equal the value in EMS Agency State (dAgency.04).

Data Element Comment

Associated with the state (dAgency.01 - EMS Agency State).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.02 – State Licensure Levels

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D04_01	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code List	Description
9911001	Advanced Emergency Medical Technician (AEMT)
9911003	Emergency Medical Responder (EMR)
9911005	Emergency Medical Technician (EMT)
9911007	Paramedic
9911021	Physician
9911023	Critical Care Paramedic
9911025	Community Paramedicine
9911033	Registered Nurse

Business Rule(s)

Rule 1:	State Licensure Levels (dConfiguration.02) cannot equal Emergency Medical Responder (EMR).
Rule 2:	Multiple rules will be associated with personnel information, including by not limited to, medication administration, performance of procedures, crew make up and others.

Data Element Comment

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.03 – Procedures Permitted by State

Arkansas National

Definition

A list of all of the procedures permitted by the EMS Agency's licensing state.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
Integer	100,000	1,000,000,000

Business Rule(s)

Rule 1: Procedures Permitted by the State (dConfiguration.03) must equal "Not Applicable".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This data element should capture all of the procedures permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01). This is related to the EMS Agency's procedures (dConfiguration.07) which have been implemented within the EMS System.

State EMS systems which have regulatory authority to determine the procedures statewide may identify SNOMEDCT procedure codes based on medical direction and their own need.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

SNOMEDCT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html

Product: Product - UMLS Metathesaurus

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.04 – Medications Permitted by State

Arkansas National

Definition

A list of all of the procedures permitted by the EMS Agency's licensing state.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
string	2	7

Business Rule(s)

Rule 1: Medications Permitted by the State (dConfiguration.04) must equal "Not Applicable".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This data element should capture all of the medications permitted by the state for any/all levels of EMS personnel in the state. This should be stored as an RxNorm (RXCUI) Code. This is associated with the EMS Agency State (dAgency.01).

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.
The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.05 – Protocols Permitted by State

Arkansas National

Definition

A list of all of the protocols permitted by the state.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

See Next Page for Code List

Business Rule(s)

Rule 1: Protocols Permitted by the State (dConfiguration.05) must equal "Not Applicable".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This data element should capture all of the medications permitted by the state for any/all levels of EMS personnel in the state. This should be stored as an RxNorm (RXCUI) Code. This is associated with the EMS Agency State (dAgency.01).

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.
The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

dConfiguration.05 - Protocols Permitted by State Code List 1

Code List	Description
9914001	Airway
9914003	Airway – Failed
9914005	Airway – Obstruction/Foreign Body
9914007	Airway – Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway – Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest – Asystole
9914201	Cardiac Arrest – Determination of Death/ Withholding Resuscitative Efforts
9914169	Cardiac Arrest – Do Not Resuscitate
9914013	Cardiac Arrest – Hypothermia Therapeutic
9914019	Cardiac Arrest – Post Resuscitation Care
9914015	Cardiac Arrest – Pulseless Electrical Activity
9914171	Cardiac Arrest – Special Resuscitation Orders
9914017	Cardiac Arrest – Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914021	Environmental – Altitude Sickness
9914023	Environmental – Cold Exposure
9914025	Environmental – Frostbite/Cold Injury
9914027	Environmental – Heat Exposure/Exhaustion
9914029	Environmental – Heat Stroke/Hyperthermia
9914031	Environmental – Hypothermia
9914033	Exposure – Airway/Inhalation Irritants
9914035	Exposure – Biological/Infectious
9914037	Exposure – Blistering Agents
9914167	Exposure –Carbon Monoxide
9914041	Exposure – Chemicals to Eye
9914043	Exposure – Cyanide
9914045	Exposure – Explosive/ Blast Injury
9914047	Exposure – Nerve Agents
9914049	Exposure – Radiologic Agents
9914173	Exposure – Smoke Inhalation
9914051	General – Back Pain
9914053	General – Behavioral/Patient Restraint
9914055	General – Cardiac Arrest
9914175	General – Community Paramedicine / Mobile Integrated Healthcare
9914057	General – Dental Problems
9914059	General – Epistaxis
9914177	General – Exception Protocol
9914179	General – Extended Care Guidelines
9914061	General – Fever
9914063	General – Individualized Patient Protocol

dConfiguration.05 - Protocols Permitted by State Code List 2

Code List	Description
9914065	General – Indwelling Medical Devices/Equipment
9914181	General – Interfacility Transfers
9914067	General – IV Access
9914185	General – Law Enforcement - Assist with Law Enforcement Activity
9914183	General – Law Enforcement - Blood for Legal Purposes
9914069	General – Medical Device Malfunction
9914187	General – Neglect or Abuse Suspected
9914135	General – Overdose/Poisoning/Toxic Ingestion
9914071	General – Pain Control
9914189	General – Refusal of Care
9914073	General – Spinal Immobilization/Clearance
9914075	General – Universal Patient Care/ Initial Patient Contact
9914077	Injury – Amputation
9914079	Injury – Bites and Envenomation - Land
9914081	Injury – Bites and Envenomation - Marine
9914083	Injury – Bleeding/ Hemorrhage Control
9914085	Injury – Burns - Thermal
9914087	Injury – Cardiac Arrest
9914203	Injury – Conducted Electrical Weapon (e.g.,Taser)
9914089	Injury – Crush Syndrome
9914091	Injury – Diving Emergencies
9914093	Injury – Drowning/Near Drowning
9914095	Injury – Electrical Injuries
9914097	Injury – Extremity
9914099	Injury – Eye
9914205	Injury – Facial Trauma
9914207	Injury – General Trauma Management
9914101	Injury – Head
9914103	Injury – Impaled Object
9914209	Injury – Lightning/Lightning Strike
9914191	Injury – Mass/Multiple Casualties
9914105	Injury – Multisystem
9914211	Injury – SCUBA Injury/Accidents
9914107	Injury – Spinal Cord
9914193	Injury – Thoracic
9914213	Injury – Topical Chemical Burn
9914109	Medical – Abdominal Pain
9914195	Medical – Adrenal Insufficiency
9914111	Medical – Allergic Reaction/Anaphylaxis
9914113	Medical – Altered Mental Status
9914197	Medical – Apparent Life Threatening Event (ALTE)

dConfiguration.05 - Protocols Permitted by State Code List 3

Code List	Description
9914215	Medical – Beta Blocker Poisoning/Overdose
9914115	Medical – Bradycardia
9914217	Medical – Calcium Channel Blocker Poisoning/Overdose
9914117	Medical – Cardiac Chest Pain
9914119	Medical – Diarrhea
9914121	Medical – Hyperglycemia
9914123	Medical – Hypertension
9914125	Medical – Hypoglycemia/Diabetic Emergency
9914127	Medical – Hypotension/Shock (Non-Trauma)
9914129	Medical – Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical – Nausea/Vomiting
9914133	Medical – Newborn/ Neonatal Resuscitation
9914219	Medical – Opioid Poisoning/ Overdose
9914135	Medical – Overdose/Poisoning/ Toxic Ingestion
9914137	Medical – Pulmonary Edema/CHF
9914139	Medical – Respiratory Distress/Asthma/COPD/Reactive Airway
9914221	Medical – Respiratory Distress – Bronchiolitis
9914223	Medical – Respiratory Distress – Croup
9914141	Medical – Seizure
9914143	Medical – ST-Elevation Myocardial Infarction (STEMI)
9914225	Medical – Stimulant Poisoning/Overdose
9914145	Medical – Stroke/TIA
9914147	Medical – Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical – Syncope
9914199	Medical – Tachycardia
9914151	Medical – Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN – Childbirth/Labor/Delivery
9914157	OB/GYN – Eclampsia
9914159	OB/GYN – Gynecologic Emergencies
9914163	OB/GYN – Post Partum Hemorrhage
9914161	OB/GYN – Pregnancy Related Emergencies
9914165	Other

Agency Configuration

dConfiguration.06 – EMS Licensure Level to Perform Each Procedure

Arkansas | National

Definition

EMS certification levels which are permitted to perform the procedure listed in dConfiguration.07.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D04_05	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917025	Community Paramedicine
9917031	Registered Nurse

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Using each licensure level within the agency, indicate the approved procedures allowed utilizing dConfiguration.07 (EMS Agency Procedures).

dConfiguration.07 – EMS Agency Procedures

Arkansas National

Definition

A list of all of the procedures permitted by the EMS Agency's licensing state.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D04_04	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
integer	100,000	1,000,000,000

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities. Each procedure is associated with the EMS professional certification levels permitted to perform the procedure.

EMS Agencies may identify additional SNOMEDCT procedure codes based on medical direction and their own need. If an agency resides in a state with statewide approved procedures, they should be listed/ implemented here.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

SNOMEDCT
Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
Product: Product - UMLS Metathesaurus

dConfiguration.08 – EMS Licensure Level Permitted to Administer Each Medication

Arkansas | National

Definition

All EMS certification levels which are permitted to administer the medications listed in dConfiguration.09 (EMS Agency Medications).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D04_07	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician (EMT)
9917007	Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917031	Registered Nurse

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Using each licensure level within the agency, indicate the approved medications allowed utilizing dConfiguration.09 (EMS Agency Medications).

dConfiguration.09 – EMS Agency Medications

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D04_06	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Data Type	minLength	maxLength
string	2	7

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The medication list is stored as the RxNorm (RXCUI) Code. This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.

List of medications based on RxNorm (RXCUI) code. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

RxNorm
Website - http://uts.nlm.nih.gov

Product - UMLS Metathesaurus
Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

dConfiguration.10 – EMS Agency Protocols

Arkansas National

Definition

A list of all of the protocols permitted by the state.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	D04_08	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

See Next Page for Code List

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes.

The list is defined by the NASEMSO State Medical Directors.

dConfiguration.10 – EMS Agency Protocols Code List 1

Code List	Description
9914001	Airway
9914003	Airway – Failed
9914005	Airway – Obstruction/Foreign Body
9914007	Airway – Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway – Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest – Asystole
9914201	Cardiac Arrest – Determination of Death/ Withholding Resuscitative Efforts
9914169	Cardiac Arrest – Do Not Resuscitate
9914013	Cardiac Arrest – Hypothermia Therapeutic
9914019	Cardiac Arrest – Post Resuscitation Care
9914015	Cardiac Arrest – Pulseless Electrical Activity
9914171	Cardiac Arrest – Special Resuscitation Orders
9914017	Cardiac Arrest – Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914021	Environmental – Altitude Sickness
9914023	Environmental – Cold Exposure
9914025	Environmental – Frostbite/Cold Injury
9914027	Environmental – Heat Exposure/Exhaustion
9914029	Environmental – Heat Stroke/Hyperthermia
9914031	Environmental – Hypothermia
9914033	Exposure – Airway/Inhalation Irritants
9914035	Exposure – Biological/Infectious
9914037	Exposure – Blistering Agents
9914167	Exposure –Carbon Monoxide
9914041	Exposure – Chemicals to Eye
9914043	Exposure – Cyanide
9914045	Exposure – Explosive/ Blast Injury
9914047	Exposure – Nerve Agents
9914049	Exposure – Radiologic Agents
9914173	Exposure – Smoke Inhalation
9914051	General – Back Pain
9914053	General – Behavioral/Patient Restraint
9914055	General – Cardiac Arrest
9914175	General – Community Paramedicine / Mobile Integrated Healthcare
9914057	General – Dental Problems
9914059	General – Epistaxis
9914177	General – Exception Protocol
9914179	General – Extended Care Guidelines
9914061	General – Fever
9914063	General – Individualized Patient Protocol

dConfiguration.10 – EMS Agency Protocols Code List 2

Code List	Description
9914065	General – Indwelling Medical Devices/Equipment
9914181	General – Interfacility Transfers
9914067	General – IV Access
9914185	General – Law Enforcement - Assist with Law Enforcement Activity
9914183	General – Law Enforcement - Blood for Legal Purposes
9914069	General – Medical Device Malfunction
9914187	General – Neglect or Abuse Suspected
9914135	General – Overdose/Poisoning/Toxic Ingestion
9914071	General – Pain Control
9914189	General – Refusal of Care
9914073	General – Spinal Immobilization/Clearance
9914075	General – Universal Patient Care/ Initial Patient Contact
9914077	Injury – Amputation
9914079	Injury – Bites and Envenomation - Land
9914081	Injury – Bites and Envenomation - Marine
9914083	Injury – Bleeding/ Hemorrhage Control
9914085	Injury – Burns - Thermal
9914087	Injury – Cardiac Arrest
9914203	Injury – Conducted Electrical Weapon (e.g.,Taser)
9914089	Injury – Crush Syndrome
9914091	Injury – Diving Emergencies
9914093	Injury – Drowning/Near Drowning
9914095	Injury – Electrical Injuries
9914097	Injury – Extremity
9914099	Injury – Eye
9914205	Injury – Facial Trauma
9914207	Injury – General Trauma Management
9914101	Injury – Head
9914103	Injury – Impaled Object
9914209	Injury – Lightning/Lightning Strike
9914191	Injury – Mass/Multiple Casualties
9914105	Injury – Multisystem
9914211	Injury – SCUBA Injury/Accidents
9914107	Injury – Spinal Cord
9914193	Injury – Thoracic
9914213	Injury – Topical Chemical Burn
9914109	Medical – Abdominal Pain
9914195	Medical – Adrenal Insufficiency
9914111	Medical – Allergic Reaction/Anaphylaxis
9914113	Medical – Altered Mental Status
9914197	Medical – Apparent Life Threatening Event (ALTE)

dConfiguration.10 – EMS Agency Protocols Code List 3

Code List	Description
9914215	Medical – Beta Blocker Poisoning/Overdose
9914115	Medical – Bradycardia
9914217	Medical – Calcium Channel Blocker Poisoning/Overdose
9914117	Medical – Cardiac Chest Pain
9914119	Medical – Diarrhea
9914121	Medical – Hyperglycemia
9914123	Medical – Hypertension
9914125	Medical – Hypoglycemia/Diabetic Emergency
9914127	Medical – Hypotension/Shock (Non-Trauma)
9914129	Medical – Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical – Nausea/Vomiting
9914133	Medical – Newborn/ Neonatal Resuscitation
9914219	Medical – Opioid Poisoning/ Overdose
9914135	Medical – Overdose/Poisoning/ Toxic Ingestion
9914137	Medical – Pulmonary Edema/CHF
9914139	Medical – Respiratory Distress/Asthma/COPD/Reactive Airway
9914221	Medical – Respiratory Distress – Bronchiolitis
9914223	Medical – Respiratory Distress – Croup
9914141	Medical – Seizure
9914143	Medical – ST-Elevation Myocardial Infarction (STEMI)
9914225	Medical – Stimulant Poisoning/Overdose
9914145	Medical – Stroke/TIA
9914147	Medical – Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical – Syncope
9914199	Medical – Tachycardia
9914151	Medical – Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN – Childbirth/Labor/Delivery
9914157	OB/GYN – Eclampsia
9914159	OB/GYN – Gynecologic Emergencies
9914163	OB/GYN – Post Partum Hemorrhage
9914161	OB/GYN – Pregnancy Related Emergencies
9914165	Other

dConfiguration.11 – EMS Agency Specialty Service Capability

Arkansas | National

Definition

A list of all of the protocols permitted by the state.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
1211001	Air Rescue
1211003	CBRNE
1211005	Community Health Medicine
1211007	Disaster Medical Assistance Team (DMAT)
1211009	Disaster Mortuary (DMORT)
1211011	Dive Rescue
1211013	Farm Rescue
1211015	High Angle Rescue
1211017	Machinery Disentanglement
1211019	None
1211021	Ski / Snow Rescue
1211023	Tactical EMS
1211025	Trench / Confined Space Rescue
1211027	Urban Search and Rescue (USAR)
1211029	Vehicle Extrication
1211031	Veterinary Medical Assistance Team (VMAT)
1211033	Water or Ice Related Rescue (Including Swift Water)
1211035	Wilderness Search and Rescue

Data Element Comment

Vehicle

dVehicle.01 – Unit/Vehicle Number

Arkansas

Definition

The unique ID number for the unit which is specific for each vehicle. This ID number may be the state's vehicle's permit number.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D06_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	25

Business Rule(s)

Rule 1:	Unit/Vehicle Number (dVehicle.01) cannot equal "Not Applicable".
Rule 2:	Unit/Vehicle Number (dVehicle.01) cannot equal "Not Recorded".
Rule 3:	Unit/Vehicle Number (dVehicle.01) cannot equal "Not Reporting".

Data Element Comment

This will be the four digit decal number that is assigned by the Section of EMS.

This element can be used in EMS PCR documentation to document the vehicle. This element should be used to populate eResponse.13 (EMS Vehicle (Unit) Number).

dVehicle.02 – Vehicle Identification Number

Arkansas

Definition

The manufacturer's VIN associated with the vehicle.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	Length
String	17

Data Element Comment

Consider VIN standard ISO-3779 and ISO-3780

dVehicle.03 – EMS Unit Call Sign

Arkansas

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.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

dVehicle.04 – Vehicle Type

Arkansas

Definition

The vehicle type of the unit (ambulance, fire, truck, etc.).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D06_03	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
1404001	Ambulance
1404003	ATV
1404005	Bicycle
1404007	Fire Apparatus
1404009	Fixed Wing
1404011	Motorcycle
1404013	Other
1404015	Personal Vehicle
1404017	Quick Response Vehicle (Non-Transport Vehicle other than Fire Apparatus)
1404019	Crash Truck or other Specialty Vehicle
1404021	Helicopter
1404023	Snow Vehicle

Business Rule(s)

Rule 1: Vehicle Type (dVehicle.04) cannot equal "Not Applicable".

Rule 2: Vehicle Type (dVehicle.01) cannot equal "Not Recorded".

Rule 3: Vehicle Type (dVehicle.01) cannot equal "Not Reporting".

Data Element Comment

dVehicle.05 – Crew State Licensure Levels

Arkansas

Definition

The licensure level of the ambulance by the state or the licensure level at which the vehicle is most commonly staffed.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	D06_04	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Code List

Code	Description
9917001	Advanced Emergency Medical Technician (AEMT)
9917003	Emergency Medical Responder (EMR)
9917005	Emergency Medical Technician
9917007	Paramedic
9917021	Physician
9917023	Critical Care Paramedic
9917025	Community Paramedicine
9917033	Registered Nurse

Business Rule(s)

Rule 1: Crew State Licensure Levels (dVehicle.05) cannot be equal to EMR.

Rule 2: Crew State Licensure Levels (dVehicle.05) cannot be equal to Critical Care Paramedic.

Rule 3: Crew State Licensure Levels (dVehicle.05) cannot be equal to Community Paramedicine.

Data Element Comment

Personnel

dPersonnel.01 – EMS Personnel's Last Name

Arkansas

Definition

The last name of the personnel.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D08_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable	7701003 – Not Recorded	7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	60

Business Rule(s)

Rule 1:	EMS Personnel's Last Name (dPersonnel.01) cannot equal "Not Applicable".
Rule 2:	EMS Personnel's Last Name (dPersonnel.01) cannot equal "Not Recorded".
Rule 3:	EMS Personnel's Last Name (dPersonnel.01) cannot equal "Not Reporting".
Rule 4:	EMS Personnel's Last Name (dPersonnel.01) is required when the Personnel group is created.

Data Element Comment

dPersonnel.02 – EMS Personnel's First Name

Arkansas

Definition

The first name of the agency's primary contact.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D08_03	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	50

Business Rule(s)

Rule 1:	EMS Personnel's First Name (dPersonnel.02) cannot equal "Not Applicable".
Rule 2:	EMS Personnel's First Name (dPersonnel.02) cannot equal "Not Recorded".
Rule 3:	EMS Personnel's First Name (dPersonnel.02) cannot equal "Not Reporting".
Rule 4:	EMS Personnel's First Name (dPersonnel.02) is required when the Personnel group is created.

Data Element Comment

dPersonnel.03 – EMS Personnel's Middle Name/Initial

Arkansas

Definition

The middle name or initial of the personnel.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D08_02	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable	7701003 – Not Recorded	7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	50

Business Rule(s)

Rule 1:	EMS Personnel's Middle Name/Initial (dPersonnel.03) cannot equal "Not Applicable".
Rule 2:	EMS Personnel's Middle Name/Initial (dPersonnel.03)) cannot equal "Not Recorded".
Rule 3:	EMS Personnel's Middle Name/Initial (dPersonnel.03) cannot equal "Not Reporting".
Rule 4:	EMS Personnel's Middle Name/Initial (dPersonnel.03) is required when the Personnel group is created.

Data Element Comment

dPersonnel.24 – EMS Personnel's State Licensure Level

Arkansas

Definition

The personnel's state EMS licensure level.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D08_15	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
9925001	Advanced Emergency Medical Technician (AEMT)
9925003	Emergency Medical Responder (EMR)
9925005	Emergency Medical Technician (EMT)
9925007	Paramedic
9925023	Other Healthcare Provider
9925025	Other Non-Healthcare Provider
9925027	Physician
9925029	Respiratory Therapist
9925031	Student
9925033	Critical Care Paramedic
9925035	Community Paramedicine
9925043	Registered Nurse

Business Rule(s)

Rule 1:	EMS Personnel's State's Certification/ Licensure Level (dPersonnel.24) cannot equal "Not Applicable".
Rule 2:	EMS Personnel's State's Certification/ Licensure Level (dPersonnel.24) cannot equal "Not Recorded".
Rule 3:	EMS Personnel's State's Certification/ Licensure ID Number (dPersonnel.23) cannot equal "Not Reporting".

Data Element Comment

Some listed health care providers may not have an EMS certification/licensure number, however their level should be indicated from the list above and the state licensure number should be indicated in dPersonnel.23 - EMS Personnel's State's Licensure ID Number.

dPersonnel.23 – EMS Personnel's State Licensure ID Number

Arkansas

Definition

The state's licensure ID number for the personnel.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	D07_02	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable	7701003 – Not Recorded	7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	50

Business Rule(s)

Rule 1:	EMS Personnel's State's Licensure ID Number (dPersonnel.23) cannot equal "Not Applicable".
Rule 2:	EMS Personnel's State's Licensure ID Number (dPersonnel.23) cannot equal "Not Recorded".
Rule 3:	EMS Personnel's State's Licensure ID Number (dPersonnel.23) cannot equal "Not Reporting".

Data Element Comment

Facility

dFacility.02 – Facility Name

Arkansas

Definition

The name of the facility.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	D04_11	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	2	100

Data Element Comment

dFacility.03 – Facility Location Code

Arkansas

Definition

The code of the facility as assigned by the state or the EMS agency.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	D04_12	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	2	50

Data Element Comment

The information contained within this element could be used to populate eScene.10 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code) via a drop down list created at either the EMS Agency or State level.

Facility

dFacility.07

dFacility.07 – Facility Street Address

Arkansas

Definition

The address where the facility is located.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Attributes

StreetAddress2

Data Type	minLength	maxLength
String	1	256

Constraints

Data Type	minLength	maxLength
String	1	256

Data Element Comment

The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.03 (Destination Street Address) as appropriate.

dFacility.08 – Facility City

Arkansas

Definition

The city where the facility is located (physical address).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Data Element Comment

The information contained within this element could be used to populate the address information within eScene.17 (Incident City) and/or eDisposition.04 (Destination City) as appropriate.

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dFacility.09 – Facility State

Arkansas

Definition

The state where the facility is located.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	totalDigits
Integer	2

Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.05 (Destination State) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Facility

dFacility.11

dFacility.11– Facility County

Arkansas

Definition

The county where the facility is located.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	Length
String	5

Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.21 (Incident County) and/or eDisposition.06 (Destination County) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

EMS Event

eRecord.01 – Patient Care Report Number

Arkansas National

Definition

The unique number automatically assigned by the EMS agency for each Patient Care Report (PCR). This should be a unique number for the EMS agency for all of time.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E01_01	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	3	50

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eRecord.02 – Software Creator

Arkansas National

Definition

The name of the vendor, manufacturer, and developer who designed the application that created this record.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E01_02	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

This is required to document the software used to generate the Patient Care Report. This is not the last software which aggregated/stored the Patient Care Report after it was sent from software.

eRecord.03 – Software Name

Arkansas National

Definition

The name of the application used to create this record.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E01_03	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

This is the EMS Agency's software, not the state or other level software which electronically received the data from the local EMS Agency.

eRecord.04 – Software Version

Arkansas National

Definition

The version of the application used to create this record.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E01_02	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

eResponse.01 – EMS Agency Number

Arkansas National

Definition

The state-assigned provider number of the responding agency.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E02_01	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	15

Business Rule(s)

Rule 1: EMS Agency Number (eResponse.01) must equal EMS Agency Number (dAgency.02) from the demographic information.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The EMS Agency Number in eResponse.01 can auto-populate from dAgency.02 EMS Agency Number in the demographic section.

eResponse.02 – EMS Agency Name

Arkansas

Definition

The address where the facility is located.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable **7701003 – Not Recorded** **7701005 – Not Reporting**

Constraints

Data Type	minLength	maxLength
String	2	100

Business Rule(s)

Rule 1:	EMS Agency Name (eResponse.02) cannot equal "Not Applicable".
Rule 2:	EMS Agency Name (eResponse.02) cannot equal "Not Recorded".
Rule 3:	EMS Agency Name (eResponse.02) cannot equal "Not Reporting".
Rule 4:	EMS Agency Name (eResponse.02) must equal EMS Agency Name (dAgency.03) from the demographic information.

Data Element Comment

Added to better identify the EMS Agency associated with the EMS event.

eResponse.03 – Incident Number

Arkansas National

Definition

The incident number assigned by the 911 Dispatch System

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable **7701003 – Not Recorded**

Constraints

Data Type	minLength	maxLength
String	3	50

Business Rule(s)

Rule 1: Incident Number (eResponse.03) cannot equal "Not Applicable".

Rule 2: Incident Number (eResponse.03)) cannot equal "Not Recorded".

Data Element Comment

This number can be used to associate multiple EMS responses, dispatch information, and other information to the same EMS event or patient.

eResponse.04 – EMS Response Number

Arkansas National

Definition

The incident number assigned by the 911 Dispatch System

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_03	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable **7701003 – Not Recorded**

Constraints

Data Type	minLength	maxLength
String	3	50

Business Rule(s)

Rule 1: EMS Response Number (eResponse.04) cannot equal "Not Applicable".

Rule 2: EMS Response Number (eResponse.04) cannot equal "Not Recorded".

Data Element Comment

This may be a duplicate of eResponse.03 if agency only utilizes a single incident numbering system.

eResponse.07 – Primary Role of the Unit

Arkansas National

Definition

The primary role of the EMS Unit which responded to this specific EMS event

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E02_05	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
2207003	Ground Transport
2207005	Non-Transport Administrative (i.e. Supervisor)
2207007	Non-Transport Assistance
2207009	Non-Transport Rescue
2207011	Air Transport – Helicopter
2207013	Air Transport – Fixed Wing

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Supervisor clarified to Administrative Only. If the Supervisor is responding to assist, that would be considered Non-Transport. Transport separated into Air and Ground. In Version 2 there was no way to identify Air Transport.

eResponse.13 – EMS Vehicle (Unit) Number

Arkansas National

Definition

The unique physical vehicle number of the responding unit.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E02_11	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	25

Business Rule(s)

Rule 1: EMS Vehicle (Unit) Number (eResponse.13) must equal Unit/Vehicle Number (dVehicle.01) from the demographic information.

Data Element Comment

Element should be populated from dVehicle.01 - Unit/Vehicle Number.

<u>This This will be the four digit decal number that is assigned by the Section of EMS.</u>

eResponse.14 – EMS Unit Call Sign

Arkansas National

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.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E02_12	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

This element could be populated from a list created in dVehicle.03 EMS Unit Call Sign or dConfiguration.16 (Crew Call Sign).

eResponse.15 – Level of Care of This Unit

Arkansas National

Definition

The level of care (BLS or ALS) the unit is able to provide based on the units' treatment capabilities for this EMS response.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

Code	Description
2215001	BLS – EMR
2215003	BLS – EMT
2215005	BLS – AEMT
2215023	BLS – Community Paramedicine
2215009	ALS – AEMT
2215013	ALS – Paramedic
2215015	ALS – Community Paramedicine
2215017	ALS – Nurse
2215019	ALS – Physician
2215021	Specialty Critical Care

Business Rule(s)

Rule 1: All reported records are required to include the highest level of care of the unit.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added to identify the level of care (license level) the EMS unit/crew can provide regardless of patient need, based on this unit's capabilities.

For example, if a unit/crew is staffed with an Advance EMT or Paramedic but the unit is either licensed or stocked at a BLS level the appropriate level of care is "BLS-EMT". This is because the care provided to patients is limited to BLS skills.

eCrew.01 – Crew Member ID

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E04_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable **7701003 – Not Recorded** **7701005 – Not Reporting**

Constraints

Data Type	minLength	maxLength
String	2	15

Business Rule(s)

Rule 1:	Crew Member ID (eCrew.01) cannot equal "Not Applicable".
Rule 2:	Crew Member ID (eCrew.01) cannot equal "Not Recorded".
Rule 3:	Crew Member ID (eCrew.01) cannot equal "Not Reporting".
Rule 4:	Crew Member ID (eCrew.01) must equal EMS Personnel's State's Licensure ID Number (dPersonnel.23) from the demographic information.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Document the state certification/licensure ID for the state where the event occurred.

eCrew.02 – Crew Member Level

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E04_03	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
9925001	Advanced Emergency Medical Technician (AEMT)
9925003	Emergency Medical Responder (EMR)
9925005	Emergency Medical Technician (EMT)
9925007	Paramedic
9925023	Other Healthcare Provider
9925025	Other Non-Healthcare Provider
9925027	Physician
9925029	Respiratory Therapist
9925031	Student
9925033	Critical Care Paramedic
9925035	Community Paramedicine
9925043	Registered Nurse

Business Rule(s)

Rule 1:	Crew Member Level (eCrew.02) cannot equal "Not Applicable".
Rule 2:	Crew Member Level (eCrew.02) cannot equal "Not Recorded".
Rule 3:	Crew Member Level (eCrew.02) cannot equal "Not Reporting".
Rule 4:	Crew Member Level (eCrew.02) must equal EMS Personnel's State's Licensure ID Number (dPersonnel.23) from the demographic information.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eCrew.03 – Crew Member Response Role

Arkansas

Definition

The role(s) of the role member during response, at scene treatment, and/or transport.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E04_02	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	**0**	**255**

Code List

Code	Description
2403001	Driver / Pilot – Response
2403003	Driver / Pilot – Transport
2403005	Other (Not Listed)
2403007	Other Patient Caregiver – At Scene
2403009	Other Patient Caregiver – Transport
2403011	Primary Patient Caregiver – At Scene
2403013	Primary Patient Caregiver - Transport

Business Rule(s)

Rule 1: Crew Member Response Role (eCrew.03) cannot equal "Not Applicable".

Rule 2: Crew Member Response Role (eCrew.03) cannot equal "Not Recorded".

Rule 3: Crew Member Response Role (eCrew.03) cannot equal "Not Reporting".

Rule 4: All reported records are required to include a valid Crew Member(s) role(s).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This element has been changed to allow for multiple selections. There must be a driver for response and transport. There must be a primary patient caregiver for scene and transport

eTimes.01 – PSAP Call Date/ Time

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	PSAP Call Date/Time (eTimes.01) must be less than or equal to Dispatch Notified Date/Time (eTimes.02).
Rule 2:	PSAP Call Date/Time (eTimes.01) must be less than or equal to Unit Notified by Dispatch Date/Time (eTimes.03).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).

eTimes.02 – Dispatch Notified Date/Time

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E05_03	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1: Dispatch Notified Date/Time (eTimes.02) must be less than or equal to Unit Notified by Dispatch Date/Time (eTimes.03).

Data Element Comment

This date/time might be the same as PSAP Call Date/Time (eTimes.01).

eDispatch.01 – Complaint Reported by Dispatch

Arkansas National

Definition

The complaint dispatch reported to the responding unit.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E03_01	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Code List

See Next Page for Code List

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added Pandemic/Epidemic/Outbreak.
Added Automated Crash Notification
Added Healthcare Professional Admission
Added Transfer/Interfacility/Palliative Care
- Other entries expanded based on current national EMD Dispatch List

eDispatch.01 – Complaint Reported by Dispatch Code List part 1

Code List	Description
2301001	Abdominal Pain/Problems
2301003	Allergic Reaction/Stings
2301005	Animal Bite
2301007	Assault
2301009	Automated Crash Notification
2301011	Back Pain (Non-Traumatic)
2301013	Breathing Problems
2301015	Burns/Explosion
2301017	Carbon Monoxide/ Hazmat/ Inhalation/ CBRN
2301019	Cardiac Arrest/ Death
2301021	Chest Pain (Non-Traumatic)
2301023	Choking
2301025	Convulsions/ Seizure
2301027	Diabetic Problem
2301029	Electrocution/ Lightning
2301031	Eye Problem/ Injury
2301033	Falls
2301035	Fire
2301037	Headache
2301039	Healthcare Professional/ Admission
2301041	Heart Problems/ Automatic Implantable Cardioverter Defibrillators(AICD)
2301043	Heat/ Cold Exposure
2301045	Hemorrhage/ Laceration
2301047	Industrial Accident/ Inaccessible Incident/ Other Entrapments (Non-Vehicle)
2301049	Medical Alarm
2301051	No Other Appropriate Choice
2301053	Overdose/ Poisoning/ Ingestion
2301055	Pandemic/ Epidemic/ Outbreak
2301057	Pregnancy/ Childbirth/ Miscarriage
2301059	Psychiatric Problem/ Abnormal Behavior/ Suicide Attempt
2301061	Sick Person
2301063	Stab/ Gunshot Wound/ Penetrating Trauma
2301065	Standby
2301067	Stroke/ CVA

eDispatch.01 – Complaint Reported by Dispatch Code List part 2

Code List	Description
2301069	Traffic/ Transportation
2301071	Transfer/ Inter-facility/ Palliative Care
2301073	Traumatic Injury
2301075	Well Person Check
2301077	Unconscious/ Fainting/ Near-Fainting
2301079	Unknown Problem/ Person Down
2301081	Drowning/ Diving/ SCUBA Accident
2301083	Air Medical Transport

eDispatch.02 – EMD Performed

Arkansas National

Definition

Indication of whether Emergency Medical Dispatch was performed for this EMS Event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E03_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2302001	**No [DEFAULT]**
2302003	Yes, With Pre-Arrival Instructions
2302005	Yes, Without Pre-Arrival Instructions
2302007	Yes, Unknown if Pre-Arrival Instructions Given

Business Rule(s)

Rule 1: EMD Performed (eDispatch.02) cannot equal "Not Applicable".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eResponse.08 – Type of Dispatch Delay

Arkansas National

Definition

The dispatch delays, if any, associated with the dispatch of the EMS unit to the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2208001	Caller (Uncooperative)
2208003	Diversion/Failure (of previous unit)
2208005	High Call Volume
2208007	Language Barrier
2208009	Location (Inability to obtain)
2208011	No EMS Vehicles (Units) Available
2208013	None/ No Delay
2208015	Other (Not Listed)
2208017	Technical Failure (Computer, Phone etc.)

Business Rule(s)

Rule 1:	Type of Dispatch Delay (eResponse.08) cannot equal "Not Applicable".
Rule 2:	When Type of Dispatch Delay (eResponse.08) has a value of None/No Delay, then no other delay can be selected.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

A dispatch delay is any time delay that occurs from the time of PSAP call (eTimes.01) to the time the unit is notified by dispatch (eTimes.03).

eResponse.05 – Type of Service Requested

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E02_04	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1: 1

Code List

Code	Description
2205001	911 Response (Scene)
2205003	Intercept
2205005	Interfacility Transfer
2205007	Medical Transport
2205009	Mutual Aid
2205011	Public Assistance/ Other Not Listed
2205013	Standby

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

"Interfacility Transfer" has been changed to "Interfacility Transport." "Public Assistance/Other Not Listed" added for EMS expanded scope events such as elderly assistance, injury prevention, public education, immunization programs, etc.

eResponse.06 – Standby Purpose

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
2206001	Disaster Event – Drill/ Exercise
2206003	Disaster Event – Live Staging
2206005	Education
2206007	EMS Staging – Improve Coverage
2206009	Fire Support – Rehab
2206011	Fire Support – Standby
2206013	Mass Gathering – Concert/ Entertainment Event
2206015	Mass Gathering – Fair/ Community Event
2206017	Mass Gathering – Sporting Event
2206019	Other (Not Listed)
2206021	Public Safety Support

Data Element Comment

Added to document the reason for "Standby" when populated in eResponse.05 (Type of Service Requested). This information will assist in administrative analysis of EMS service delivery, special event coverage, etc.

eTimes.03 – PSAP Call Date/ Time

Arkansas National

Definition

The date/time the responding unit was notified by dispatch.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E05_04	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Unit Notified by Dispatch Date/Time (eTimes.03) must be less than or equal to Unit En Route Date/Time (eTimes.05).
Rule 2:	Unit Notified by Dispatch Date/Time (eTimes.03) must be less than or equal to Unit Arrived on Scene Date/Time(eTimes.06
Rule 3:	Unit Notified by Dispatch Date/Time (eTimes.03) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eResponse.19 – Beginning Odometer Reading of Responding Vehicle

Arkansas

Definition

The mileage (counter or odometer reading) of the vehicle at the beginning of the call (when the wheels begin moving). If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method)

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E02_16	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	fractionDigits	totalDigits
Decimal	2	8

Business Rule(s)

Rule 1:	Beginning Odometer Reading of Responding Vehicle (eResponse.19) must be less than or equal to On-Scene Odometer Reading of Responding Vehicle (eResponse.20) when both fields have a reading.
Rule 2:	Beginning Odometer Reading of Responding Vehicle (eResponse.19) must be less than or equal to Ending Odometer Reading of Responding Vehicle (eResponse.22) when both fields have a reading.

Data Element Comment

If a mileage counter is being used instead of an odometer, this value would be 0.

En Route

eTimes.05 – Unit En Route Date/Time

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Unit En Route Date/Time (eTimes.05) must be less than or equal to Arrive on Scene Date/Time (eTimes.08)
Rule 2:	Unit En Route Date/Time (eTimes.05) cannot equal "Not Applicable" when Unit Arrived On Scene Date/Time (eTimes.06) has a date/time value.
Rule 3:	Unit En Route Date/Time (eTimes.05) cannot equal "Not Recorded" when Unit Arrived On Scene Date/Time (eTimes.06) has a date/time value.
Rule 4:	Unit En Route Date/Time (eTimes.05) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).
Rule 5:	Unit En Route Date/Time (eTimes.05) must be less than or equal to Unit Cancelled Date/Time (eTimes.14).
Rule 6:	Unit En Route Date/Time (eTimes.05) must be less than or equal to EMS Call Completed Date/Time (eTImes.16).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eResponse.23 – Response Mode to Scene

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E02_20	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1: 1

Code List

Code	Description
2223001	Emergent (immediate Response)
2223003	Emergent Downgrade to Non-Emergent
2223005	Non-Emergent
2223007	Non-Emergent Upgrade to Emergent

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Information now split between eResponse.23 (Response Mode to Scene) and eResponse.24 (Additional Response Mode Descriptors)

eResponse.24 – Additional Response Mode Descriptors

Arkansas National

Definition

The documentation of response mode techniques used for this EMS response.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2224001	Intersection Navigation – Against Normal Light Patterns
2224003	Intersection Navigation – With Automated Light Changing Technology
2224005	Intersection Navigation – With Normal Light Patterns
2224007	Scheduled
2224009	Speed – Enhanced per Local Policy
2224011	Speed – Normal Traffic
2224013	Unscheduled
2224015	Lights and Sirens
2224017	Lights and No Sirens
2224019	No Lights or Sirens
2224021	Initial No Lights or Sirens, Upgrade to Lights and Sirens
2224023	Initial Lights and Sirens, Downgraded to No Lights or Sirens

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Descriptors have been added to better describe the EMS Response. This includes information on whether the EMS event was schedule or unscheduled.

eResponse.09 – Type of Response Delay

Arkansas National

Definition

The response delays, if any, of the EMS unit associated with the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
2209001	Crowd	2209019	Scene Safety (Not Secure for EMS)
2209003	Directions/Unable to Locate	2209021	Staff Delay
2209005	Distance	2209023	Traffic
2209007	Diversion (Different Incident)	2209025	Vehicle Crash Involving this Unit
2209009	Hazmat	2209027	Vehicle Failure of this Unit
2209011	None/ No Delay **[Default]**	2209029	Weather
2209013	Other (Not Listed)	2209031	Mechanical Issue – Unit, Equipment, etc.
2209015	Rendezvous Transport Unavailable	2209033	Flight Planning
2209017	Route Obstruction (i.e. Train)		

Business Rule(s)

Rule 1:	Type of Response Delay (eResponse.09) cannot equal "Not Applicable" when En Route Date/Time (eTimes.05) has a date/time value.
Rule 2:	Type of Response Delay (eResponse.09) cannot equal "Not Recorded" when En Route Date/Time (eTimes.05) has a date/time value.
Rule 3:	When Type of Response Delay (eResponse.09) has a value of "None/No Delay", then no other delay can be selected

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc. to return to service.

A response delay is any time delay that occurs from the time the unit is notified by dispatch (eTimes.03) to the time the unit arrived on scene (eTimes.06).

eTimes.14 – Unit En Route Date/Time

Arkansas

Definition

The date/time the unit was cancelled.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E05_12	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Unit Cancelled Date/Time (eTimes.14) must be entered when eDispostion.12 equals Cancel (Prior to Arrival at Scene).
Rule 2:	Unit Cancelled Date/Time (eTimes.14) must be less than equal to Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Response

Data Element Comment

This date/time is to be documented if the unit went en route but neither arrived on scene nor made patient contact.

Scene

eTimes.05 – Unit Arrived on Scene Date/Time

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Unit Arrived on Scene Date/Time (eTimes.06) must be less than or equal to Arrive at Patient Date/Time (eTImes.07).
Rule 2:	Unit Arrived on Scene Date/Time (eTimes.06) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a value.
Rule 3:	Unit Arrived on Scene Date/Time (eTimes.06) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a value.
Rule 4:	Unit Arrived on Scene Date/Time (eTimes.06) must be less than or equal to Unit Left Scene Date/Time (eTimes.09).
Rule 5:	Unit Arrived on Scene Date/Time (eTimes.06) cannot equal "Not Applicable" when Unit Left Scene Date/Time (eTimes.09) has a value.
Rule 6:	Unit Arrived on Scene Date/Time (eTimes.06) cannot equal "Not Recorded" when Unit Left Scene Date/Time (eTimes.09) has a value.
Rule 7:	Unit Arrived on Scene Date/Time (eTimes.06) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eResponse.20 – On-Scene Odometer Reading of Responding Vehicle

Arkansas

Definition

The mileage (counter or odometer reading) of the vehicle when it arrives at the scene. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method)

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E02_17	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	fractionDigits	totalDigits
Decimal	2	8

Business Rule(s)

Rule 1:	On-Scene Odometer Reading of Responding Vehicle (eResponse.20) must be less than or equal to Ending Odometer Reading of Responding Vehicle (eResponse.22) when both fields have a reading.

Data Element Comment

If a mileage counter is being used instead of an odometer, this value would be 0.

eScene.01 – First EMS Unit on Scene

Arkansas National

Definition

Documentation that this EMS Unit was the first EMS Unit for the EMS Agency on the Scene.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1:	First EMS Unit on Scene (eScene.01) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a value.
Rule 2:	First EMS Unit on Scene (eScene.01) cannot equal “Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a value.

Data Element Comment

Added to improve the evaluation of Response Times when multiple EMS units are responding to the same scene.

eScene.02 – Other EMS or Public Safety Agencies at Scene

Arkansas

Definition

Documentation that this EMS Unit was the first EMS Unit for the EMS Agency on the Scene.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E08_01	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Attributes

Data Type	minLength	maxLength
String	2	100

Data Element Comment

eScene.04 – Type of Other Service at Scene

Arkansas

Definition

The type of public safety or EMS service associated with Other Agencies on Scene.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E08_02	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Code List

Code	Description
2704001	EMS Mutual Aid
2704003	Fire
2704005	First Responder
2704007	Hazmat
2704009	Law Enforcement
2704011	Other
2704013	Other EMS Agency
2704015	Other Health Care Provider
2704017	Rescue
2704019	Utilities

Business Rule(s)

Rule 1: Type of Other Service at Scene (eScene.04) must be filled out when Other EMS or Public Safety Agencies at Scene (eScene.02) has a value.

Data Element Comment

Associated with each Other Service in eScene.02

eScene.06 – Number of Patients at Scene

Arkansas National

Definition

Indicator of how many total patients were at the scene.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E08_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2707001	Multiple
2707003	None
2707005	Single

Business Rule(s)

Rule 1:	Number of Patients at Scene (eScene.06) cannot equal "Not Applicable" when Unit Arrived on Scene (eTimes.06) has a date/time value.
Rule 2:	Number of Patients at Scene (eScene.06) cannot equal "Not Recorded" when Unit Arrived on Scene (eTimes.06) has a date/time value.

Data Element Comment

eScene.07 – Mass Causality Incident

Arkansas National

Definition

The dispatch delays, if any, associated with the dispatch of the EMS unit to the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E08_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1:	Mass Casualty Incident (eScene.07) cannot equal "Not Applicable" when Unit Arrived on Scene (eScene.06) has a data/time value.
Rule 2:	Mass Casualty Incident (eScene.07) cannot equal "Not Recorded" when Unit Arrived on Scene (eScene.06) has a data/time value.

Performance Measure(s)

Trauma

Data Element Comment

eScene.09 – Incident Location Type

Arkansas National

Definition

The kind of location where the incident happened.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E08_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Pattern

Y92\.[0-9]{1,3}

Business Rule(s)

Rule 1:	Incident Location Type (eScene.09) cannot equal "Not Applicable" when Unit Arrived on Scene (eScene.06) has a data/time value.
Rule 2:	Incident Location Type (eScene.09) cannot equal "Not Recorded" when Unit Arrived on Scene (eScene.06) has a data/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This element is documented when eScene.07 (Mass Casualty Incident) = Yes.

Examples of triage systems include START and SALT.

Adapted from: SALT mass casualty triage: concept endorsed by the American College of Emergency Physicians, American College of Surgeons Committee on Trauma, American Trauma Society, National Association of EMS Physicians, National Disaster Life Support Education Consortium, and State and Territorial Injury Prevention Directors Association. Disaster Med Public Health Prep. 2008 Dec; 2(4):245-6.

START reference: Benson M, Koenig KL, Schultz CH. Disaster triage: START, and then SAVE-a new method of dynamic triage for victims of a catastrophic earthquake. Prehospital Disaster Med. 1996; Apr-Jun; 11(2): 117-24

eScene.10 – Incident Facility Code

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E08_08	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	50

Data Element Comment

This may be populated from a list created within dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier).

eScene.11 – Scene GPS Location

Arkansas

Definition

The GPS coordinates associated with the Scene

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E08_10	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Pattern

(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9]|[0-9])(\.[0-9]{1,6})?),(\+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9]|[1-9][0-9]|[0-9])(\.[0-9]{1,6})?)

Business Rule(s)

Rule 1:	When Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value and Incident Country (eScene.22) has a value of "US", then at least one of the following elements must be completed: Scene GPS Location (eScene.11), Mile Post or Major Roadway (eScene.14), Incident Street Address (eScene.15), or Scene Cross Street or Directions (eScene.20).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The pattern for GPS location is in the format "latitude, longitude" where:
- latitude has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- longitude has a minimum of -180 and a maximum of 180 with up to 6 decimal places

eScene.14 – Mile Post or Major Roadway

Arkansas

Definition

The mile post or major roadway associated with the incident locations

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	35

Business Rule(s)

Rule 1 :	When Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value and Incident Country (eScene.22) has a value of "US", then at least one of the following elements must be completed: Mile Post or Major Roadway (eScene.14), Incident Street Address (eScene.15), or Scene Cross Street or Directions (eScene.20).

Data Element Comment

eScene.15 – Incident Street Address

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E08_11	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Street Address2

Data Type	minLength	maxLength
String	1	256

Constraints

Data Type	minLength	maxLength
String	1	256

Business Rule(s)

Rule 1:	Incident Street Address (eScene.15) cannot be left blank when Incident Apartment, Suite or Room (eScene.16) has a value. True 1(eScene.20).
Rule 2:	Incident Street Address (eScene.15) cannot equal "Not Applicable" when Incident Apartment, Suite or Room (eScene.16) has a value.
Rule 3:	Incident Street Address (eScene.15) cannot equal "Not Recorded" when Incident Apartment, Suite or Room (eScene.16) has a value.
Rule 4:	When Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value and Incident Country (eScene.22) has a value of "US", then at least one of the following elements must be completed: Mile Post or Major Roadway (eScene.14), Incident Street Address (eScene.15), or Scene Cross Street or Directions (eScene.20).

Data Element Comment

eScene.16 – Incident Apartment, Suite, or Room

Arkansas

Definition

The number of the specific apartment, suite, or room where the incident occurred.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 - Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	15

Data Element Comment

eScene.17 – Incident City

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E08_12	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Business Rule(s)

Rule 1:	Incident City (eScene.17) cannot equal "Not Applicable" when incident Zip Code (eScene.19) has a U.S. zip code a value.
Rule 2:	Incident City (eScene.17) cannot equal "Not Recorded" when incident Zip Code (eScene.19) has a U.S. zip code value.
Rule 3:	Incident City (eScene.17) cannot equal "Not Reporting" when incident Zip Code (eScene.19) has a U.S. zip code value.
Rule 4:	Incident City (eScene.17) cannot be blank when incident Zip Code (eScene.19) has a U.S. zip code value.
Rule 5:	Incident City (eScene.17) cannot equal "Not Applicable" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.
Rule 6:	Incident City (eScene.17) cannot be left blank when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.
Rule 7:	Incident City (eScene.17) cannot equal "Not Applicable" when incident Zip Code (eScene.19) has a U.S. zip code a value.

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eScene.18 – Incident State

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E08_14	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	totalDigits
Integer	2

Business Rule(s)

Rule 1:	Incident State (eScene.18) cannot equal "Not Applicable" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.
Rule 2:	Incident State (eScene.18) cannot equal "Not Recorded" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Based on the ANSI State Code.
GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eScene.19 – Incident Zip Code

Arkansas National

Definition

The Zip code of the incident location.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E08_15	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Pattern

[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Business Rule(s)

Rule 1:	Incident ZIP Code (eScene.19) cannot equal "Not Applicable" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.
Rule 2:	Incident ZIP Code (eScene.19) cannot equal "Not Recorded" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

ZIP Codes Product Website:
https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

eScene.20 – Scene Cross Street or Directions

Arkansas

Definition

The nearest cross street to the incident address or directions from a recognized landmark or the second street name of an intersection.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minlength	maxLength
string	2	50

Business Rule(s)

Rule 1:	When Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value and Incident Country (eScene.22) has a value of "US", then at least one of the following elements must be completed: Scene GPS Location (eScene.11), Mile Post or Major Roadway (eScene.14), Incident Street Address (eScene.15), or Scene Cross Street or Directions (eScene.20).

Data Element Comment

eScene.21 – Incident County

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E08_13	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	length
string	5

Business Rule(s)

Rule 1: Incident County (eScene.21) cannot equal "Not Applicable" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eResponse.10 – Type of Dispatch Delay

Arkansas National

Definition

The scene delays, if any, of the EMS unit associated with the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_08	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
2210001	Awaiting Air Unit	2210021	Patient Access
2210003	Awaiting Ground Unit	2210023	Safety – Crew/ Staging
2210005	Crowd	2210025	Safety – Patient
2210007	Directions/ Unable to Locate	2210027	Staff Delay
2210009	Distance	2210029	Traffic
2210011	Extrication	2210031	Triage/ Multiple Patients
2210013	Hazmat	2210033	Staff Delay
2210015	Language Barrier	2210035	Vehicle Crashing Involving this Unit
2210017	None/ Delay **[Default]**	2210037	Weather
2210019	Other (Not Listed)	2210039	Mechanical Issue - Unit, Equipment, etc.

Business Rule(s)

Rule 1:	Type of Scene Delay (eResponse.10) cannot equal "Not Applicable" when Unit Arrived on Scene (eTimes.06) has a date/time value.
Rule 2:	Type of Scene Delay (eResponse.10) cannot equal "Not Recorded" when Unit Arrived on Scene (eTimes.06) has a date/time value.
Rule 3:	When Type of Scene Delay (eResponse.10) has a value of "None/No Delay", then no other delay can be selected.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

A scene delay is any time delay that occurs from the time the unit arrived on scene (eTimes.06) to the time the unit left the scene (eTimes.09).

eTimes.09 – Unit Left on Scene Date/Time

Arkansas National

Definition

The date/time the responding unit left the scene with a patient (started moving).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_09	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Unit Left Scene Date/Time (eTimes.09) must be less than or equal to Arrival at Destination Landing Area Date/Time (eTimes.10).
Rule 2:	Unit Left Scene Date/Time (eTimes.09) must be less than or equal to Patient Arrived at Destination Date/Time (eTimes.11).
Rule 3:	Unit Left Scene Date/Time (eTimes.09) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).
Rule 4:	Unit Left Scene Date/Time (eTimes.09) cannot equal "Not Applicable" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.
Rule 5:	Unit Left Scene Date/Time (eTimes.09) cannot equal "Not Recorded" when Unit Arrived on Scene Date/Time (eTimes.06) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Patient

eTimes.07 – Arrived at Patient Date/Time

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

See Next Page

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eTimes.07 – Arrived at Patient Date/Time Business Rule(s) part 1

Rule 1:	Arrived at Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Estimated Body Weight in Kilograms (eExam.01) has a value.
Rule 2:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Barriers to Patient Care (eHistory.01) has a value.
Rule 3:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Advanced Directives (eHistory.05) has a value.
Rule 4:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" value when Medication Allergies (eHistory.06) has a value.
Rule 5:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Medical/Surgical History (eHistory.08) has a value.
Rule 6:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Current Medications (eHistory.12) has a value.
Rule 7:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Alcohol/Drug Use Indicators (eHistory.17) has a value.
Rule 8:	Arrived At Patient Date/Time (eTimes.07) cannot equal ""Not Applicable"" when Patient's Last Name (ePatient.02) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle .
Rule 9:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's First Name (ePatient.03) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.

eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 2

Rule 10:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Middle Initial/Name (ePatient.04) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 11:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Home County (ePatient.07) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 12:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Home State (ePatient.08) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.

eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 3

Rule 13:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Home ZIP Code (ePatient.09) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 14:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Home Country (ePatient.10) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle
Rule 15:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Social Security Number (ePatient.12) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.

eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 4

Rule 16:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Gender (ePatient.13) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 17:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Race (ePatient.14) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 18:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Age (ePatient.15) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.

eTimes.07 – Arrived at Patient Date/Time Business Rule(s) Continued part 5

Rule 19:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Age Units (ePatient.16) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 20:	Arrived At Patient Date/Time (eTimes.07) cannot equal "Not Applicable" when Patient's Date of Birth (ePatient.17) has a value and Incident Patient Disposition (eDisposition.12) is one of the following: 4212013 Patient Dead at Scene-No Resuscitation Attempted (With Transport) 4212017 Patient Dead at Scene-Resuscitation Attempted (With Transport) 4212021 Patient Evaluated, No Treatment/Transport Required 4212023 Patient Refused Evaluation/Care (With Transport) 4212027 Patient Treated, Released (AMA) 4212029 Patient Treated, Released (per protocol) 4212031 Patient Treated, Transferred Care to Another EMS Professional 4212033 Patient Treated, Transported by EMS 4212035 Patient Treated, Transported by Law Enforcement 4212037 Patient Treated, Transported by Private Vehicle.
Rule 21:	Arrived at Patient Date/Time (eTimes.07) cannot equal ""Not Recorded".
Rule 22:	Arrived at Patient Date/Time (eTimes.07) must be less than or equal to Transfer of EMS Patient Care Date/Time (eTimes.08).
Rule 23:	Arrived at Patient Date/Time (eTimes.07) must be less than or equal to Unit Left Scene Date/Time (eTimes.09).
Rule 24:	Arrived at Patient Date/Time (eTimes.07) must be less than or equal to Patient Arrived at Destination Date/Time (eTimes.11).
Rule 25:	Arrived at Patient Date/Time (eTimes.07) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).

ePatient.02 – Last Name

Arkansas

Definition

The patient's last (family) name

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element	E06_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801019 – Refused 8801023 – Unable to Complete

Constraints

Data Type	minLength	maxLength
string	1	60

Business Rule(s)

Rule 1:	Last Name (ePatient.02) cannot be left blank when Arrived at Patient Date/Time (eTimes.07) has a date/time value
Rule 2:	Last Name (ePatient.02) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Data Element Comment

Pertinent negatives accepted with option of "Unable to Complete" or "Refused".

ePatient.03 – First Name

Arkansas

Definition

The patient's first (given) name

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element	E06_03	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801019 – Refused 8801023 – Unable to Complete

Constraints

Data Type	minLength	maxLength
string	1	50

Business Rule(s)

Rule 1:	First Name (ePatient.03) cannot be left blank when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	First Name (ePatient.03) cannot be "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Data Element Comment

Pertinent negatives accepted with option of "Unable to Complete" or "Refused".

ePatient.04 – Middle Initial/ Name

Arkansas

Definition

The patient's first (given) name

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E06_03	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

ePatient.06 – Patient's Home City

Arkansas

Definition

The patient's primary city or township of residence.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E06_05	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Business Rule(s)

Rule 1: Patient's Home City (ePatient.06) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePatient.07 – Patient's Home County

Arkansas National

Definition

The patient's home county or parish of residence.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	length
dateTime	5

Business Rule(s)

Rule 1: Patient's Home County (ePatient.07) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePatient.08 – Patient's Home State

Arkansas National

Definition

The state, territory, or province where the patient resides.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	totalDigits
Integer	2

Business Rule(s)

Rule 1: Patient's Home State (ePatient.08) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePatient.09 – Patient's Home Zip Code

Arkansas National

Definition

The patient's ZIP code of residence

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_08	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Pattern

[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

Zip Codes Product Website:
https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

ePatient.12 – Social Security Number

Arkansas

Definition

The patient's social security number

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E06_10	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
integer	000000000	999999999

Data Element Comment

ePatient.13 – Gender

Arkansas National

Definition

The patient's gender.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_11	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9906001	Female
9906003	Male
9906005	Unknown (Unable to Determine)

Business Rule(s)

Rule 1:	Patient's Gender (ePatient.13) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Patient's Gender (ePatient.13) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

ePatient.14 – Race

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_12	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2514001	American Indian or Alaska Native
2514003	Asian
2514005	Black or African American
2514007	Hispanic or Latino
2514009	Native Hawaiian or Other Pacific Islander
2514011	White

Business Rule(s)

Rule 1: Patient's Race (ePatient.14) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

OMB requirements are provided at: http://www.omhrc.gov/templates/browse.aspx?lvl=2&lvlID=172. Using single multiple choice question methodology to improve the completion of ethnicity information.

Ethnicity (Version 2.2.1: E06_13) has been merged with this data element and retired.

ePatient.15 – Age

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_14	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Integer	1	120

Business Rule(s)

Rule 1:	Patient's Age (ePatient.15) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Patient's Age (ePatient.15) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

ePatient.16 – Age Units

Arkansas National

Definition

The unit used to define the patient's age

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E06_15	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2516001	Days
2516003	Hours
2516005	Minutes
2516007	Months
2516009	Years

Business Rule(s)

Rule 1:	Patient's Age Units (ePatient.16) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Patient's Age Units (ePatient.16) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

OMB requirements are provided at: http://www.omhrc.gov/templates/browse.aspx?lvl=2&lvlID=172. Using single multiple choice question methodology to improve the completion of ethnicity information.

Ethnicity (Version 2.2.1: E06_13) has been merged with this data element and retired.

ePatient.17 – Date of Birth

Arkansas

Definition

The patient's date of birth.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element	E06_16	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801019 – Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
date	1890-01-01	2050-01-01

Data Element Comment

eHistory.01 – Barriers to Patient Care

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E12_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
3101001	Cultural, Custom, Religious	3101019	Psychologically Impaired
3101003	Developmentally Impaired	3101021	Sight Impaired
3101005	Hearing Impaired	3101023	Speech Impaired
3101007	Language	3101025	Unattended or Unsupervised (including minors)
3101009	None Noted **[Defaulted]**	3101027	Unconscious
3101011	Obesity	3101029	Uncooperative
3101015	Physically Impaired	3101031	State of Emotional Distress
3101017	Physically Restrained		
3101013	Physical Barrier (Unable to Access Patient)		

Business Rule(s)

Rule 1:	Barriers to Patient Care (eHistory.01) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	When Barriers to Patient Care (eHistory.01) has a value of "None Noted", then there cannot be any other values selected.

Data Element Comment

Added Obesity, Sight Impaired, Psychologically Impaired

eHistory.17 – Alcohol/Drug Use Indicators

Arkansas National

Definition

Indicators for the potential use of alcohol or drugs by the patient related to the patient's current illness or injury.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E12_19	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801015 – None Reported 8801019 – Refused 8801023 – Unable to Complete

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3117001	Alcohol Containers/ Paraphernalia at Scene
3117003	Drug Paraphernalia at Scene
3117005	Patient Admits to Alcohol Use
3117007	Patient Admits to Drug Use
3117009	Positive Level known from Law Enforcement or Hospital Record
3117011	Smell of Alcohol on Breath

Business Rule(s)

Rule 1: Alcohol/Drug Use Indicators (eHistory.17) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Trauma

Data Element Comment

eHistory.05 – Advance Directives

Arkansas

Definition

The presence of a valid DNR form, living will, or document directing end of life or healthcare treatment decisions.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E12_07	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3105001	Family/ Guardian request DNR (but no documentation)
3105003	Living Will
3105005	None
3105007	Other (Not Listed)
3105009	Other Healthcare Advanced Directive Form
3105011	State EMS DNR or Medical Form

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Advanced Directive and Do Not Resuscitate are both included in this data element.

eHistory.06 – Medication Allergies

Arkansas

Definition

The patient's medication allergies.

Arkansas Usage	No	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E12_08	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801015 – No Known Drug Allergy 8801019 – Refused 8801023 – Unable to Complete
8801021 – Unresponsive

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code Type

9924001 – ICD 10 9924003 - RxNorm

Constraints

Pattern

(Z88\.[0-9])|([a-zA-Z0-9]{2,7})

Business Rule(s)

Rule 1:	Medication Allergies (eHistory.06) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Medication Allergies (eHistory.06) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 3:	Medication Allergies (eHistory.06) cannot equal "Not Reporting" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Data Element Comment

The list of medication allergies is based on RxNorm (RXCUI) Codes. In addition, a specific list of ICD-10 CM codes can be used for medication groups.

Code list is represented in two separate UMLS datasets:
1) ICD-10 Codes.
2) RxNorm

eHistory.08 – Medical/Surgical History

Arkansas

Definition

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

Arkansas Usage	No	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E12_10	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801015 – None Reported 8801019 – Refused 8801021 – Unresponsive
8801023 – Unable to Complete

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

([A-QSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,3})?)||[0-9A-HJ-NP-Z]{3,7}

Business Rule(s)

Rule 1:	Medical/Surgical History (eHistory.08) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Medical/Surgical History (eHistory.08) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 3:	Medical/Surgical History (eHistory.08) cannot equal "Not Reporting" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Data Element Comment

The Medical/Surgical History pattern has been extended to include ICD-10-CM: Diagnosis Codes and ICD-10-PCS: Procedural Health Intervention Codes.
ICD-10-CM: Diagnosis Codes.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus
Please reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html
ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character).
The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. There are no decimals in ICD-10-PCS.
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

eHistory.12 – Current Medications

Arkansas

Definition

The medications the patient currently takes.

Arkansas Usage	No	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E12_14	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801015 – None Reported 8801019 – Refused 8801021 – Unresponsive
8801023 – Unable to Complete

CorrelationID

Data Type	minLength	maxLength
String	2	7

Constraints

Pattern

([A-QSTZ][0-9]{2})((\.[0-9A-Z]{1, 3})?)

Business Rule(s)

Rule 1:	Current Medications (eHistory.12) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Current Medications (eHistory.12) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 3:	Current Medications (eHistory.12) cannot equal "Not Reporting" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Data Element Comment

List of medications based on RxNorm (RXCUI) code.
Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

RxNorm
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus
Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

ePayment.01 – Primary Method of Payment

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E07_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2601001	Insurance
2601003	Medicaid
2601005	Medicare
2601007	Not Billed (for any reason)
2601009	Other Government
2601011	Self-Pay
2601013	Workers Compensation
2601015	Payment by Facility
2601017	Contracted Payment
2601019	Community Network
2601021	No Insurance Identified
2601023	Other Payment Option

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

ePayment.50 – CMS Service Level

Arkansas | National

Definition

The CMS service level for this EMS encounter.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E07_34	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2650001	ALS, Level 1
2650003	ALS, Level 1 Emergency
2650005	ALS, Level 2
2650007	BLS
2650009	BLS, Emergency
2650011	Fixed Wing (Airplane)
2650013	Paramedic Intercept
2650015	Specialty Care Transport
2650017	Rotary Wing (Helicopter)

Performance Measure(s)

Airway Pediatric STEMI Stroke Trauma

Data Element Comment

ePayment.51 – EMS Condition Code

Arkansas

Definition

The condition code associated with the CMS EMS negotiated rule-making process.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E07_35	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

[A-Z][0-9][0-9A-Z]((\.[0-9A-Z]{1,3}0?)

Performance Measure(s)

Airway Pediatric STEMI Stroke Trauma

Data Element Comment

Code list is represented in ICD-10-CM Codes:
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

eTimes.08 – Transfer of EMS Patient Care Date/Time

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E05_08	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Assessment

eSituation.02 – Possible Injury

Arkansas National

Definition

Indication whether or not there was an injury.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_04	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9922001	No
9922003	Unknown
9922005	Yes

Business Rule(s)

Rule 1:	Possible Injury (eSituation.02) must equal "Yes" when Cause of Injury (eInjury.01) has an ICD-10 CM value.
Rule 2:	Possible Injury (eSituation.02) cannot equal "Not Applicable" when Date/Time of Symptom Onset/Last Normal (eSituation.01) has a date time value.
Rule 3:	Possible Injury (eSituation.02) cannot equal "Not Recorded" when Date/Time of Symptom Onset/Last Normal (eSituation.01) has a date time value."

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

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. eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

eSituation.03 – Complaint Type

Arkansas

Definition

Indication whether or not there was an injury.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
2803001	Chief (Primary)
2803003	Other (Not Listed)
2803005	Secondary

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This was added to group complaints in a more efficient manner

Added to improve data integrity.

eSituation.04 – Complaint

Arkansas

Definition

The statement of the problem by the patient or the history provider.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E09_05	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	255

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eSituation.05 – Duration of Complaint

Arkansas

Definition

The duration of the complaint.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E09_06	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
integer	1	365

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Associated with eSituation.06 (Time Units of Duration of the Complaint).

eSituation.06 – Time Units of Duration of Complaint

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E09_07	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
2806001	Seconds
2806003	Minutes
2806005	Hours
2806007	Days
2806009	Weeks
2806011	Months
2806013	Years

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Associated with eSituation.05 (Duration of the Complaint).

eSituation.07 – Chief Complaint Anatomic Location

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_11	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2807001	Abdomen
2807003	Back
2807005	Chest
2807007	Extremity – Lower
2807009	Extremity – Upper
2807011	General/ Global
2807013	Genitalia
2807015	Head
2807017	Neck

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

eSituation.08 – Chief Complaint Organ System

Arkansas National

Definition

The primary organ system of the patient injured or medically affected.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_12	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2808001	Behavioral/ Psychiatric
2808003	Cardiovascular
2808005	CNS/ Neuro
2808007	Endocrine/ Metabolic
2808009	GI
2808011	Global/ General
2808013	Lymphatic/ Immune
2808015	Musculoskeletal/ Skin
2808017	Reproductive
2808019	Pulmonary
2808021	Renal

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Altered to follow the anatomical organ systems as defined by general anatomy. Added Lymphatic/Immune; Merged Skin with Muscular-Skeletal. Changed OB/Gyn to Reproductive.

Retained non-organ system designations for Global/General and Behavioral/Psychiatric.

eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

eSituation.09 – Primary Symptom

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_13	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Pattern

(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,4})?)

Business Rule(s)

Rule 1:	Primary Symptom (eSituation.09) cannot equal "Not Applicable" when Other Associated Symptoms (eSituation.10) has a value other than a NOT VALUE.
Rule 2:	Primary Symptom (eSituation.09) cannot equal "Not Recorded" when Other Associated Symptoms (eSituation.10) has a value other than a NOT VALUE.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

Code list is represented in ICD-10-CM Diagnosis Codes. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

ICD-10-CM
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

eSituation.10 – Other Associated Symptoms

Arkansas National

Definition

Other symptoms identified by the patient or observed by EMS personnel

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_13	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,4})?)

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

ICD-10-CM
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

eInjury.01 – Cause of Injury

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E10_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

([TV-Y][0-9]{2})((\.[0-9A-Z]{1,7})?)

Business Rule(s)

See next page

Performance Measure(s)

Trauma

Data Element Comment

Code list is represented in ICD-10-CM.
Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

ICD-10-CM
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

eInjury.01 – Cause of Injury Business Rule(s)

Rule 1:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Mechanism of Injury (eInjury.02) has a value.
Rule 2:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Mechanism of Injury (eInjury.02) has a value.
Rule 3:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Vehicular, Pedestrian, or Other Injury Risk Factors (eInjury.04) has a value.
Rule 4:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Vehicular, Pedestrian, or Other Injury Risk Factors (eInjury.04) has a value.
Rule 5:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Main Area of the Vehicle Impacted by the Collision (eInjury.05) has a value.
Rule 6:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Main Area of the Vehicle Impacted by the Collision (eInjury.05) has a value.
Rule 7:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Location of Patient in Vehicle (eInjury.06) has a value.
Rule 8:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Location of Patient in Vehicle (eInjury.06) has a value.
Rule 9:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Use of Occupant Safety Equipment (eInjury.07) has a value.
Rule 10:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Use of Occupant Safety Equipment (eInjury.07) has a value.
Rule 11:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Airbag Deployment (eInjury.08) has a value.
Rule 12:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Airbag Deployment (eInjury.08) has a value.
Rule 13:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Height of Fall (feet) (eInjury.09) has a value.
Rule 14:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Height of Fall (feet) (eInjury.09) has a value.
Rule 15:	Cause of Injury (eInjury.01) cannot equal "Not Applicable" when Possible Injury (eSituation.02) has a value of "Yes".
Rule 16:	Cause of Injury (eInjury.01) cannot equal "Not Reporting" when Possible Injury (eSituation.02) has a value of “Yes".

eInjury.02 – Mechanism of Injury

Arkansas

Definition

The mechanism of the event which caused the injury.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E10_03	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2902001	Blunt
2902003	Burn
2902005	Other
2902007	Penetrating

Performance Measure(s)

Trauma

Data Element Comment

eSituation.11 – Provider's Primary Impression

Arkansas National

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).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_15	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Pattern

(R[0-6][0-9](\.[0-9]{1,4})? | (R73\.9) | (R99)) | ([A-QSTZ][0-9][0-9A-Z])((\.{0-9A-Z]{1,4})?)

Business Rule(s)

Rule 1:	Provider's Primary Impression (eSituation.11) cannot equal "Not Applicable" when Provider's Secondary Impressions (eSituation.12) has a value other than a NOT VALUE.
Rule 2:	Provider's Primary Impression (eSituation.11) cannot equal "Not Recorded" when Provider's Secondary Impressions (eSituation.12) has a value other than a NOT VALUE.
Rule 3:	Provider's Primary Impression (eSituation.11) cannot equal "Not Applicable" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 4:	Provider's Primary Impression (eSituation.11) cannot equal "Not Recorded" when Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eSituation.12 – Provider's Secondary Impressions

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E09_16	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Constraints

Pattern

(R[0-6][0-9](\.[0-9]{1,4})? | (R73\.9) | (R99)) | ([A-QSTZ][0-9][0-9A-Z])((\.{0-9A-Z]{1,4})?)

Business Rule(s)

Rule 1: Provider's Primary Impression (eSituation.11) cannot equal "Not Recorded" .

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Code list is represented in ICD-10-CM.
Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

ICD-10-CM
Website - http://uts.nlm.nih.gov
Product - UMLS Metathesaurus

eSituation.01 – Date/Time Of Symptom Onset

Arkansas National

Definition

The date and time the symptom began (or was discovered) as it relates to this EMS event. This is described or estimated by the patient, family, and/or healthcare professionals.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minInclusive	maxLength
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDisposition.24) has any "Yes" value".
Rule 2:	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDisposition.24) has any "Yes" value.
Rule 3:	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal "Not Applicable" when Chief Complaint Anatomic Location (eSituation.07) has value other than a NOT VALUE.
Rule 4:	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal "Not Recorded" when Chief Complaint Anatomic Location (eSituation.07) has value other than a NOT VALUE.
Rule 5:	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal "Not Applicable" when Primary Symptom (eSituation.09) has a value other than a NOT VALUE.
Rule 6:	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal "Not Recorded" when Primary Symptom (eSituation.09) has a value other than a NOT VALUE ".
Rule 7:	Date/Time of Symptom Onset/Last Normal (eSituation.01) must less or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eSituation.18 – Date/Time Last Known Well

Arkansas

Definition

The estimated date and time the patient was last known to be well or in their usual state of health. This is described or estimated by the patient, family, and/or bystanders.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minInclusive	maxLength
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Date/Time Last Known Well (eSituation.18) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDisposition.24) has any "Yes" value".
Rule 2:	Date/Time Last Known Well (eSituation.18) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDisposition.24) has any "Yes" value.
Rule 3:	Date/Time Last Known Well (eSituation.18) cannot equal "Not Applicable" when Chief Complaint Anatomic Location (eSituation.07) has value other than a NOT VALUE.
Rule 4:	Date/Time Last Known Well (eSituation.18)) cannot equal "Not Recorded" when Chief Complaint Anatomic Location (eSituation.07) has value other than a NOT VALUE.
Rule 5:	Date/Time Last Known Well (eSituation.18) cannot equal "Not Applicable" when Primary Symptom (eSituation.09) has a value other than a NOT VALUE.
Rule 6:	Date/Time Last Known Well (eSituation.18) cannot equal "Not Recorded" when Primary Symptom (eSituation.09) has a value other than a NOT VALUE ".
Rule 7:	Date/Time Last Known Well (eSituation.18) must less or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. For injury or trauma related events, this is the date and time the patient was injured.

eInjury.13 – Initial Patient Acuity

Arkansas | National

Definition

The acuity of the patient's condition upon EMS arrival at the scene.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2813001	Critical (Red)
2813003	Emergent (Yellow)
2813005	Lower Acuity (Green)
2813007	Dead without Resuscitation Efforts (Black)

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf

Dead without Resuscitation Efforts would be appropriate if resuscitation was initiated by non-EMS personnel but discontinued immediately upon evaluation by first arriving EMS personnel

eExam.01 – Estimated Body Weight in Kilograms

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element	E16_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable
7701003 – Not Recorded
7701005 – Not Reporting

Pertinent Negatives (PN)

8801023 – Unable to Complete

Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
Decimal	4	1	0.1	999.9

Business Rule(s)

See Next Page

Performance Measure(s)s

Pediatric

Data Element Comment

eExam.01 – Estimated Body Weight in Kilograms Business Rule(s)

Rule 1:	Estimated Body Weight in Kilograms (eExam.01) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 2:	Estimated Body Weight in Kilograms (eExam.01) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 3:	Estimated Body Weight in Kilograms (eExam.01) cannot equal "Not Reporting" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 4:	Estimated Body Weight in Kilograms (eExam.01) cannot be left blank when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 5:	Estimated Body Weight in Kilograms (eExam.01) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value.
Rule 6:	Estimated Body Weight in Kilograms (eExam.01) cannot equal "Not Reporting" when Medication Given (eMedication.03) has an RX Norm value.
Rule 7:	Estimated Body Weight in Kilograms (eExam.01) cannot have a pertinent negative of "Unable to Complete" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 8:	Estimated Body Weight in Kilograms (eExam.01) cannot equal "Not Recorded" when Medication Given (eMedication.03) has an RX Norm value.
Rule 9:	Estimated Body Weight in Kilograms (eExam.01) cannot be left blank when Medication Given (eMedication.03) has an RX Norm value.
Rule 10:	Estimated Body Weight in Kilograms (eExam.01) cannot have a pertinent negative of "Unable to Complete" when Medication Given (eMedication.03) has an RX Norm value.

eExam.02 – Length Based Tape Measure

Arkansas

Definition

The length-based color as taken from the tape.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element	E16_02	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Code	Description
3502001	Blue
3502003	Green
3502005	Grey
3502007	Orange
3502009	Pink
3502011	Purple
3502013	Red
3502015	White
3502017	Yellow

Performance Measure(s)s

Pediatric

Data Element Comment

eExam.03 – Date/Time of Assessment

Arkansas

Definition

The date/time of the assessment.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E16_03	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Performance Measure(s)

Airway Cardiac Arrest Stroke

Data Element Comment

eExam.08 – Chest/ Lungs Assessment

Arkansas

Definition

The assessment findings associated with the patient's chest/lungs.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	No
Version 2 Element	E16_07	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

See Next Page for Code List

Performance Measure(s)

Airway Pediatric

Data Element Comment

Element eExam.08 - Chest/Lungs Assessment represents Version 2.2.1 element E16_07 Chest/Lungs Assessment. The element value choices have been expanded.

eExam.08 – Chest/Lungs Assessment Code List

Code	Description	Code	Description
3508001	Abrasion	3508055	Not Done
3508003	Avulsion	3508057	Pain
3508005	Accessory Muscles Used with Breathing	3508059	Pain with Inspiration/Expiration - Left
3508007	Bleeding Controlled	3508061	Pain with Inspiration/Expiration – Right
3508009	Bleeding Uncontrolled	3508063	Puncture/ Stab Wound
3508011	Breath Sounds – Absent – Left	3508065	Rales – Left
3508013	Breath Sounds – Absent – Right	3508067	Rales – Right
3508015	Breath Sounds – Decreased – Left	3508069	Retraction
3508017	Breath Sounds – Decreased – Right	3508071	Rhonchi – Left
3508019	Breath Sounds – Equal	3508073	Rhonchi – Right
3508021	Breath Sounds – Normal – Left	3508075	Rhonchi – Wheezing
3508023	Breath Sounds – Normal – Right	3508077	Stridor – Left
3508025	Burn – Blistering	3508079	Stridor – Right
3508027	Burn – Charring	3508085	Tenderness – Left
3508029	Burn – Redness	3508087	Tenderness – Right
3508031	Burn – White/ Waxy	3508089	Wheezing – Expiratory – Left
3508033	Crush Injury	3508091	Wheezing – Expiratory – Right
3508035	Deformity	3508093	Wheezing – Inspiratory – Left
3508037	Flail Segment – Left	3508095	Wheezing – Inspiratory – Right
3508039	Flail Segment – Right	3508097	Gunshot wound
3508041	Foreign Body	3508099	Swelling
3508047	Increased Respiratory Effort	3508101	Contusion
3508049	Implanted Device	3508103	Tenderness - General
3508051	Laceration		
3508053	Normal		

eExam.19 – Mental Status Assessment

Arkansas

Definition

The assessment findings of the patient's mental status examination.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	No
Version 2 Element	E16_23	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3519023	Agitation
3519001	Combative
3519003	Confused
3519005	Hallucinations
3519007	Normal Baseline for Patient
3519009	Not Done
3519011	Oriented – Person
3519013	Oriented – Place
3519015	Oriented – Event
3519017	Oriented – Time
3519019	Pharmacologically Sedated/Paralyzed
3519025	Somnolent
3519027	Stupor
3519021	Unresponsive

Performance Measure(s)

Cardiac Arrest Stroke

Data Element Comment

Element eExam.19 - Mental Status Assessment represents Version 2.2.1 element E16_23 Mental Status Assessment. The element value choices have been expanded.

eExam.20 – Neurological Assessment

Arkansas

Definition

The assessment findings of the patient's neurological examination.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	No
Version 2 Element	E16_24	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
3520001	Aphagia	3520021	Normal Baseline for Patient
3520003	Aphasia	3520023	Not Done
3520051	Arm Drift – Left	3520025	Seizures
3520053	Arm Drift - Right	3520027	Speech Normal
3520005	Cerebellar Function – Abnormal	3520029	Speech Slurring
3520007	Cerebellar Function - Normal	3520031	Strength – Asymmetric
3520009	Decerebrate Posturing	3520033	Strength – Normal
3520011	Decorticate Posturing	3520035	Strength – Symmetric
3520013	Gait – Abnormal	3520037	Tremors
3520015	Gait – Normal	3520039	Weakness – Facial Droop – Left
3520017	Hemiplegia – Left	3520041	Weakness – Facial Droop – Right
3520019	Hemiplegia – Right	3520043	Weakness – Left Sided
3520021	Normal Baseline for Patient	3520045	Weakness – Right Sided

Performance Measure(s)

Cardiac Arrest Stroke

Data Element Comment

Element eExam.20 - Neurological Assessment represents Version 2.2.1 element E16_24 Neurological Assessment. The element value choices have been expanded.

eExam.21 – Stroke/CVA Symptoms Resolved

Arkansas

Definition

Indication if the Stroke/CVA Symptoms resolved and when.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801023 – Unable to Complete

Code List

Code	Description
3521001	No
3521003	Yes – Resolved Prior to EMS Arrival
3521005	Yes – Resolved in EMS Presence

Performance Measure(s)s

Stroke

Data Element Comment

eInjury.04 – Vehicular, Pedestrian, or Other Risk Factor

Arkansas National

Definition

Field Triage Criteria for transport to a trauma center as defined by the Centers for Disease Control and Prevention and the American College of Surgeons-Committee on Trauma.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E10_04	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2904001	Auto v. Pedestrian/ Bicyclist Thrown, Run Over, or > 20 MPH Impact
2904003	Fall Adults: > 20 feet (One story is equal to 10 feet)
2904005	Fall Children: > 10 feet or 2-3 times the height of the child
2904007	Crash Death in the Same Passenger Compartment
2904009	Crash Ejection (partial or complete) from automobile
2904011	Crash Intrusion, including roof: > 12 inches occupant site: > 18 inches any site
2904013	Crash Vehicle Telemetry Data (AACN) Consistent with High Risk Injury
2904015	Motorcycle Crash > 20 MOH
2904017	Anticoagulants and Bleeding Disorders
2904021	Pregnancy > 20 weeks
2904023	EMS Provider Judgment

Performance Measure(s)

Trauma

Data Element Comment

Assesses mechanism of injury and evidence of high-energy impact (Step 3) AND Assess special patient or system considerations (Step 4) based on CDC 2011 Guidelines for the Field Triage of Injured Patients Step 3 and 4. Website: http://www.cdc.gov/FieldTriage/.

Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients. Website: http://www.cdc.gov/FieldTriage/

eInjury.05 – Main Area of the Vehicle Impacted by the Collision

Arkansas

Definition

The area or location of initial impact on the vehicle based on 12-point clock diagram.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E10_05	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

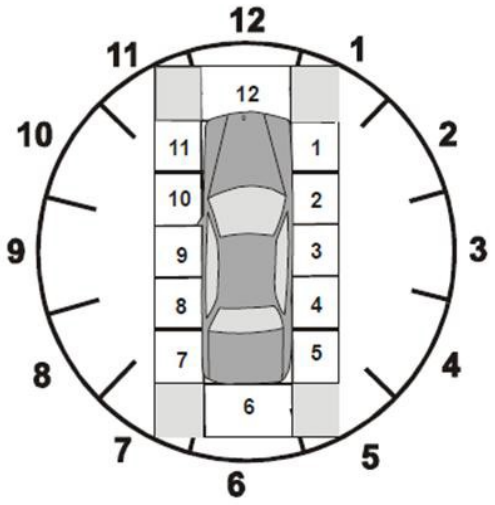
Constraints

Data Type	minInclusive	maxInclusive
Integer	1	12

Data Element Comment

The front of the vehicle is 12, passenger (right) side is 3, rear is 6, etc.

Based on MMUCC via areas(s) of impact & FARS coding manual clock diagram.



eInjury.06 – Location of Patient in Vehicle

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E10_06	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
2906001	Front Seat – Left Side (or Motorcycle Driver)
2906003	Front Seat – Middle
2906005	Front Seat – Right Side
2906007	Passenger in the other enclosed passenger or cargo area (non-trailing unit such as a bus, etc.)
2906009	Passenger in unenclosed passenger or cargo area (non-trailing unit such a pickup, etc.)
2906011	Riding on Vehicle Exterior (non-trailing unit)
2906013	Second Seat – Left side (or motorcycle passenger)
2906015	Second Seat – Middle
2906017	Second Seat – Right Side
2906019	Sleeper Section of Cab (Truck)
2906021	Third Row – Left Side (or motorcycle passenger)
2906023	Third Row – Middle
2906025	Third Row – Right Side
2906027	Trailing Unit
2906029	Unknown

Business Rule(s)

Rule 1: Location of Patient in Vehicle (eInjury.06) cannot be left blank when Airbag Deployment (eInjury.08) has a value.

Data Element Comment

MMUCC P6 data element

eInjury.07 – Use of Occupant Safety Equipment

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E10_08	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

Not Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
2907001	Child Booster Seat	2907019	Personal Flotation Device
2907003	Eye Protection	2907021	Protective Clothing
2907005	Helmet Worn	2907023	Protective Non-Clothing Gear
2907007	Infant Car Seat Forward Facing	2907027	Shoulder and Lap Belt Used
2907009	Infant Car Seat Rear Facing	2907029	Lap Belt Only Used
2907015	None	2907031	Shoulder Belt Only Used
2907017	Other		

Business Rule(s)

Rule 1:	Use of Occupant Safety Equipment (eInjury.07) cannot equal "Not Applicable" when Location of Patient in Vehicle (eInjury.06) has a value.
Rule 2:	Use of Occupant Safety Equipment (eInjury.07) cannot equal "Not Recorded" when Location of Patient in Vehicle (eInjury.06) has a value.
Rule 3:	Use of Occupant Safety Equipment (eInjury.07) cannot equal "Not Applicable" when Airbag Deployment (eInjury.08) has a value.
Rule 4:	Use of Occupant Safety Equipment (eInjury.07) cannot equal "Not Recorded" when Airbag Deployment (eInjury.08) has a value.

Performance Measure(s)

Trauma

Data Element Comment

MMUCC P7 data element used as baseline information. Data element expanded for added definition in non-vehicular settings.

eInjury.08 – Airbag Deployment

Arkansas

Definition

Indication of Airbag Deployment

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E10_09	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2908001	Airbag Deployed Front
2908003	Airbag Deployed Side
2908005	Airbag Deployed Other (knee, air belt, etc.)
2908007	No Airbag Deployed
2908009	No Airbag Present

Business Rule(s)

Rule 1: Airbag Deployment (eInjury.08) cannot be left blank when Location of Patient in Vehicle (eInjury.06) has a value.

Data Element Comment

MMUCC P8 data element baseline was used for this element.

eInjury.09 – Height of Fall (feet)

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E10_10	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	10,000

Data Element Comment

Classify same level falls as 0 feet

eInjury.03 – Trauma Center Criteria

Arkansas National

Definition

Field Triage Criteria for transport to a trauma center as defined by the Centers for Disease Control and Prevention and the American College of Surgeons-Committee on Trauma.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

Not Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
2903001	Amputation proximal to wrist or ankle
2903003	Crushed, degloved, mangled, or pulseless extremity
2903005	Chest wall instability or deformity (e.g., flail chest)
2903007	Glasgow Coma Score < =13
2903009	Open or depressed skull fracture
2903011	Paralysis
2903013	Pelvic Fracture
2903015	All penetrating injuries to head, neck, torso, and extremities proximal to elbow or knee.
2903017	Respiratory Rate < 10 or > 29 breaths per minute (< 20 in infants aged < 1) or need for ventilator support
2903019	Systolic Blood Pressure < 90 mmHg
2903021	Two or more proximal long-bone fractures

Performance Measure(s)

Trauma

Data Element Comment

2011 Guidelines for the Field Triage of Injured Patients - value choices for Steps 1 and 2. For falls, one story is equal to 10 feet.

Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients.

Website: http://www.cdc.gov/FieldTriage/

eScene.08 – Triage Classification for MCI Patient

Arkansas National

Definition

The color associated with the initial triage assessment/classification of the MCI patient

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
2708001	Red – Immediate
2708003	Yellow – Delayed
2708005	Green – Minimal (Minor)
2708007	Gray – Expectant
2708009	Black - Deceased

Business Rule(s)

Rule 1:	Triage Classification for MCI Patient (eScene.08) cannot equal "Not Applicable" when Mass Casualty Incident (eScene.07) has a value of "Yes" and Arrived at Patient Date/Time (eTimes.07) has a date/time value.
Rule 2:	Triage Classification for MCI Patient (eScene.08) cannot equal "Not Recorded" when Mass Casualty Incident (eScene.07) has a value of "Yes" and Arrived at Patient Date/Time (eTimes.07) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This element is documented when eScene.07 (Mass Casualty Incident) = Yes.
Examples of triage systems include START and SALT.

Adapted from: SALT mass casualty triage: concept endorsed by the American College of Emergency Physicians, American College of Surgeons Committee on Trauma, American Trauma Society, National Association of EMS Physicians, National Disaster Life Support Education Consortium, and State and Territorial Injury Prevention Directors Association. Disaster Med Public Health Prep. 2008 Dec;2(4):245-6.

START reference: Benson M, Koenig KL, Schultz CH. Disaster triage: START, then SAVE-a new method of dynamic triage for victims of a catastrophic earthquake. Prehospital Disaster Med. 1996; Apr-Jun; 11(2): 117-24

eProtocols.01 – Protocols Used

Arkansas National

Definition

The protocol used by EMS personnel to direct the clinical care of the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E17_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

See Next Page

Business Rule(s)

Rule 1: Protocols Permitted by the State (dConfiguration.05) must equal "Not Applicable".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN.

There is a new data element EProtocols.02 to indicate whether the protocol is Adult, Pediatric, or General (both).

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes. The protocol code list should be derived from dConfiguration.05 and/or dConfiguration.10

eProtocols.01 - Protocols Used Code List part 1

Code List	Description
9914001	Airway
9914003	Airway – Failed
9914005	Airway – Obstruction/Foreign Body
9914007	Airway – Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway – Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest – Asystole
9914201	Cardiac Arrest – Determination of Death/ Withholding Resuscitative Efforts
9914169	Cardiac Arrest – Do Not Resuscitate
9914013	Cardiac Arrest – Hypothermia Therapeutic
9914019	Cardiac Arrest – Post Resuscitation Care
9914015	Cardiac Arrest – Pulseless Electrical Activity
9914171	Cardiac Arrest – Special Resuscitation Orders
9914017	Cardiac Arrest – Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914021	Environmental – Altitude Sickness
9914023	Environmental – Cold Exposure
9914025	Environmental – Frostbite/Cold Injury
9914027	Environmental – Heat Exposure/Exhaustion
9914029	Environmental – Heat Stroke/Hyperthermia
9914031	Environmental – Hypothermia
9914033	Exposure – Airway/Inhalation Irritants
9914035	Exposure – Biological/Infectious
9914037	Exposure – Blistering Agents
9914167	Exposure –Carbon Monoxide
9914041	Exposure – Chemicals to Eye
9914043	Exposure – Cyanide
9914045	Exposure – Explosive/ Blast Injury
9914047	Exposure – Nerve Agents
9914049	Exposure – Radiologic Agents
9914173	Exposure – Smoke Inhalation
9914051	General – Back Pain
9914053	General – Behavioral/Patient Restraint
9914055	General – Cardiac Arrest
9914175	General – Community Paramedicine / Mobile Integrated Healthcare
9914057	General – Dental Problems
9914059	General – Epistaxis
9914177	General – Exception Protocol
9914179	General – Extended Care Guidelines
9914061	General – Fever
9914063	General – Individualized Patient Protocol

eProtocols.01 - Protocols Used Code List part 1

Code List	Description
9914065	General – Indwelling Medical Devices/Equipment
9914181	General – Interfacility Transfers
9914067	General – IV Access
9914185	General – Law Enforcement - Assist with Law Enforcement Activity
9914183	General – Law Enforcement - Blood for Legal Purposes
9914069	General – Medical Device Malfunction
9914187	General – Neglect or Abuse Suspected
9914135	General – Overdose/Poisoning/Toxic Ingestion
9914071	General – Pain Control
9914189	General – Refusal of Care
9914073	General – Spinal Immobilization/Clearance
9914075	General – Universal Patient Care/ Initial Patient Contact
9914077	Injury – Amputation
9914079	Injury – Bites and Envenomation - Land
9914081	Injury – Bites and Envenomation - Marine
9914083	Injury – Bleeding/ Hemorrhage Control
9914085	Injury – Burns - Thermal
9914087	Injury – Cardiac Arrest
9914203	Injury – Conducted Electrical Weapon (e.g., Taser)
9914089	Injury – Crush Syndrome
9914091	Injury – Diving Emergencies
9914093	Injury – Drowning/Near Drowning
9914095	Injury – Electrical Injuries
9914097	Injury – Extremity
9914099	Injury – Eye
9914205	Injury – Facial Trauma
9914207	Injury – General Trauma Management
9914101	Injury – Head
9914103	Injury – Impaled Object
9914209	Injury – Lightning/Lightning Strike
9914191	Injury – Mass/Multiple Casualties
9914105	Injury – Multisystem
9914211	Injury – SCUBA Injury/Accidents
9914107	Injury – Spinal Cord
9914193	Injury – Thoracic
9914213	Injury – Topical Chemical Burn
9914109	Medical – Abdominal Pain
9914195	Medical – Adrenal Insufficiency
9914111	Medical – Allergic Reaction/Anaphylaxis
9914113	Medical – Altered Mental Status
9914197	Medical – Apparent Life Threatening Event (ALTE)

eProtocols.01 - Protocols Used Code List part 1

Code List	Description
9914215	Medical – Beta Blocker Poisoning/Overdose
9914115	Medical – Bradycardia
9914217	Medical – Calcium Channel Blocker Poisoning/Overdose
9914117	Medical – Cardiac Chest Pain
9914119	Medical – Diarrhea
9914121	Medical – Hyperglycemia
9914123	Medical – Hypertension
9914125	Medical – Hypoglycemia/Diabetic Emergency
9914127	Medical – Hypotension/Shock (Non-Trauma)
9914129	Medical – Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical – Nausea/Vomiting
9914133	Medical – Newborn/ Neonatal Resuscitation
9914219	Medical – Opioid Poisoning/ Overdose
9914135	Medical – Overdose/Poisoning/ Toxic Ingestion
9914137	Medical – Pulmonary Edema/CHF
9914139	Medical – Respiratory Distress/Asthma/COPD/Reactive Airway
9914221	Medical – Respiratory Distress – Bronchiolitis
9914223	Medical – Respiratory Distress – Croup
9914141	Medical – Seizure
9914143	Medical – ST-Elevation Myocardial Infarction (STEMI)
9914225	Medical – Stimulant Poisoning/Overdose
9914145	Medical – Stroke/TIA
9914147	Medical – Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical – Syncope
9914199	Medical – Tachycardia
9914151	Medical – Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN – Childbirth/Labor/Delivery
9914157	OB/GYN – Eclampsia
9914159	OB/GYN – Gynecologic Emergencies
9914163	OB/GYN – Post Partum Hemorrhage
9914161	OB/GYN – Pregnancy Related Emergencies
9914165	Other

eProtocols.02 – Protocol Age Category

Arkansas | National

Definition

The protocol used by EMS personnel to direct the clinical care of the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3602001	Adult Only
3602003	General
3602005	Pediatric Only

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN. - There is a new data element to indicate whether the protocol is Adult, Pediatric, or General (both). Added to better document protocol use.

eDisposition.24 – Destination Team Pre-Arrival Alert or Activation

Arkansas | National

Definition

Indication that an alert (or activation) was called by EMS to the appropriate destination healthcare facility team. The alert (or activation) should occur prior to the EMS Unit arrival at the destination with the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
4224001	No
4224003	Yes – Adult Trauma
4224005	Yes – Cardiac Arrest
4224007	Yes – Obstetrics
4224009	Yes – Other
4224011	Yes – Pediatric Trauma
4224013	Yes – STEMI
4224015	Yes – Stroke
4224017	Yes – Trauma (General)

Business Rule(s)

Rule 1:	Destination Team Pre-Arrival Activation (eDisposition.24) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) is Patient Death at Scene-Transported by EMS Patient Refused Evaluation/Care (With Transport) Patient Treated, Transported by EMS
Rule 2:	Destination Team Pre-Arrival Activation (eDisposition.24) must have a value when Date/Time of Destination Pre-Arrival Activation (eDisposition.25) has a date/time value.

Performance Measure(s)

Cardiac Arrest STEMI Stroke Trauma

Data Element Comment

Added to better document performance measure for acute time dependent illness and injury systems of care.

eDisposition.25 – Date/Time of Destination Pre-arrival Alert or Activation

Arkansas | National

Definition

The Date/Time EMS alerted, notified, or activated the Destination Healthcare Facility prior to EMS arrival. The EMS assessment identified the patient as acutely ill or injured based on exam and possibly specified alert criteria.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

See Next Page

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Added to better document performance measure for acute time dependent illness and injury systems of care.

eDisposition.25 - Date/Time of Destination Pre-arrival Alert or Activation

Business Rule(s)

Rule 1:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Adult Trauma”.
Rule 2:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Adult Trauma”.
Rule 3:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Cardiac Arrest".
Rule 4:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Cardiac Arrest".
Rule 5:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Obstetrics".
Rule 6:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Obstetrics".
Rule 7:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Other".
Rule 8:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Other".
Rule 9:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Pediatric Trauma".
Rule 10:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Pediatric Trauma".
Rule 11:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-STEMI".
Rule 12:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-STEMI".
Rule 13:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Applicable" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Stroke".
Rule 14:	Date/Time of Destination Pre-Arrival Activation (eDisposition.25) cannot equal "Not Recorded" when Destination Team Pre-Arrival Activation (eDispositon.24) equals a value of "Yes-Stroke".

cStroke.01 - Stroke Exclusion

Arkansas

Definition

The reason that a Stroke Alert was not called for the patient.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present

Code List

Code	Description
Stroke101	Symptom Onset/ Last Seen Normal Out of Treatment Window
Stroke103	Potential Subarachnoid Hemorrhage
Stroke105	Pregnancy
Stroke107	Seizure at Onset of Stroke Symptoms
Stroke109	Minor Symptoms or Rapid Improvements
Stroke111	Glucose < 50mg/dL or > 400 mg/dL
Stroke113	Traumatic Event at Onset
Stroke115	Medial History
Stroke117	Surgical History
Stroke119	Hypertension
Stroke121	Age

Business Rule(s)

Pending

Data Element Comment

cStroke.02 – Stroke Mental Status

Arkansas

Definition

A mental assessment of potential clinical findings related to level of consciousness, speech, and orientation of a stroke patient.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 – Refused 8801023 – Unable to Complete

Code List

Code	Description
SMS101	Altered Level of Consciousness
SMS103	Aphasic
SMS105	Disorientation to Person, Place, or Time
SMS107	Unable to follow Commands

Business Rule(s)

Pending

Data Element Comment

cStroke.03 – Stroke Nervous System Assessment

Arkansas

Definition

The assessment findings of the patient's nervous system affecting facial features and eye-sight.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 – Refused 8801023 – Unable to Complete

Code List

Code	Description
Snsa101	Left-sided facial droop
Snsa103	Right-sided facial droop
Snsa105	Left-sided decrease in visual fields
Snsa107	Right-sided decrease in visual fields
Snsa109	Abnormal Horizontal Gaze

Business Rule(s)

Pending

Data Element Comment

cStroke.04 – Stroke Closed Eye Limb Assessment

Arkansas

Definition

An assessment of potential clinical findings related to a patient motor, sensory, and coordination of their upper and lower extremities while eyes remain closed.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 – Refused 8801023 – Unable to Complete

Code List

Code	Description
Scela101	Right-sided Arm Drift
Scela103	Left-sided Arm Drift
Scela105	Right-sided Leg Drift
Scela107	Left-sided Leg Drift
Scela109	Decrease Right Arm Sensory
Scela111	Decrease Left Arm Sensory
Scela113	Decrease Right Leg Sensory
Scela115	Decrease Left Leg Sensory
Scela117	Decrease Right Arm Coordination
Scela119	Decrease Left Arm Coordination
Scela121	Decrease Right Leg Coordination
Scela123	Decrease Left Leg Coordination

Business Rule(s)

Pending

Data Element Comment

cStroke.05 – Stroke Open Eye Limb Assessment

Arkansas

Definition

An assessment of potential clinical findings related to a patient motor, sensory, and coordination of their upper and lower extremities while eyes remain open.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 – Refused 8801023 – Unable to Complete

Code List

Code	Description
Soela101	Right-sided Arm Drift
Soela103	Left-sided Arm Drift
Soela105	Right-sided Leg Drift
Soela107	Left-sided Leg Drift
Soela109	Decrease Right Arm Sensory
Soela111	Decrease Left Arm Sensory
Soela113	Decrease Right Leg Sensory
Soela115	Decrease Left Leg Sensory
Soela117	Decrease Right Arm Coordination
Soela119	Decrease Left Arm Coordination
Soela121	Decrease Right Leg Coordination
Soela123	Decrease Left Leg Coordination

Business Rule(s)

Pending

Data Element Comment

cTrauma.01 – ATCC Notification

Arkansas

Definition

An EMS Crew (ground or air) notified Arkansas Trauma Communication Center of a Trauma Patient being Treated, Transported by this EMS unit or transferring care to another EMS Agency.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : 1

Code List

Code	Description
TAN101	No
TAN103	Yes
TAN105	Unable to Notify ATCC due deteriorating patient condition

Business Rule(s)

Pending

Data Element Comment

cTrauma.02 – ATCC Recommendation

Arkansas

Definition

An EMS Crew (ground or air) followed ATCC recommendations in transporting the Trauma patient to the recommend hospital.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : 1

Code List

Code	Description
TAR101	Crew Follows Recommendation
TAR103	Does not follow Recommendation

Business Rule(s)

Pending

Data Element Comment

cTrauma.03 – ATCC Recommendation Not Followed, Why

Arkansas

Definition

An EMS Crew (ground or air) does not follow ATCC recommendations in transporting the Trauma patient to the recommend hospital.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable

Code List

Code	Description
TARNF101	Crew Decision
TARNF103	Patient Preference
TARNF105	System Status

Business Rule(s)

Pending

Data Element Comment

cTrauma.04 – Trauma Severity

Arkansas

Definition

Classification of a Trauma Patient in the field by an Emergency Medical Service Provider following the Field Triage Decision Scheme: The Arkansas Trauma Triage Protocol

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage		Recurrence	0 : 1

Code List

Code	Description
Trauma101	Minor
Trauma103	Moderate
Trauma105	Major

Business Rule(s)

Pending

Data Element Comment

eOutcome.03 – External Report ID/Number Type

Arkansas

Definition

The Type of External Report or Record associated with the Report/ID Number.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
4303001	Disaster Tag
4303003	Fire Incident Report
4303005	Hospital – Receiving
4303007	Hospital – Transferring
4303009	Law Enforcement Report
4303011	Other (Not Listed)
4303013	Other Registry
4303015	Other Report
4303017	Patient ID
4303019	Prior EMS Patient Care Report
4303021	STEMI Registry
4303023	Stroke Registry
4303025	Trauma Registry

Business Rule(s)

Pending

Data Element Comment

This data element is a merge based on the following Version 2.2.1 elements: E22_03, E22_04, E22_05, and E22_06.

Added to allow for the documentation of external records and identification numbers.

eOutcome.04 – External Report ID/ Number

Arkansas

Definition

The ID or Number of the external report or record in eOutcome.03.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	2	100

Business Rule(s)

Pending

Data Element Comment

This data element is a merge based on the following Version 2.2.1 elements: E22_03, E22_04, E22_05, and E22_06.
Added to allow documentation of external record and identification numbers.

Vitals

eVitals.01 –Date/Time Vital Signs Taken

Arkansas National

Definition

The date/time vital signs were taken on the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

See Next Page

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eVitals.01 – Date/Time Vital Signs Taken Business Rule(s) part 1

Rule 1:	Date/Time Vital Signs Taken (eVitals.01) must be greater than or equal to Unit Notified by Dispatch Date/Time (eTimes.03).
Rule 2:	Date/Time Vital Signs Taken (eVitals.01) must be greater than or equal to Arrived at Patient Date/Time (eTimes.07).
Rule 3:	Date/Time Vital Signs Taken (eVitals.01) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).
Rule 4:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Cardiac Rhythm/Electrocardiography (ECG) (eVitals.03) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 5:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Cardiac Rhythm/Electrocardiography (ECG) (eVitals.03) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 6:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and SBP (Systolic Blood Pressure) (eVitals.06) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 7:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and SBP (Systolic Blood Pressure) (eVitals.06) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 8:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Mean Arterial Pressure (eVitals.09) has a value.
Rule 9:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Mean Arterial Pressure (eVitals.09) has a value.
Rule 10:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Heart Rate (eVitals.10) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 11:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Heart Rate (eVitals.10) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 12:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Pulse Oximetry (eVitals.12) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 13:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Pulse Oximetry (eVitals.12) has a value other than a NOT VALUE or a Pertinent.
Rule 14:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Respiratory Rate (eVitals.14) has a value other than a NOT VALUE or a Pertinent Negative.

eVitals.01 – Date/Time Vital Signs Taken Business Rule(s) part 2

Rule 15:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Respiratory Rate (eVitals.14) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 16:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Carbon Dioxide (CO2) (eVitals.16) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 17:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Carbon Dioxide (CO2) (eVitals.16) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 18:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Carbon Monoxide (CO) (eVitals.17) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 19:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Carbon Monoxide (CO) (eVitals.17) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 20:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Blood Glucose Level (eVitals.18) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 21:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Blood Glucose Level (eVitals.18) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 22:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Glasgow Coma Score - Eye (eVitals.19) has a value other than a Pertinent Negative.
Rule 23:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Glasgow Coma Score - Eye (eVitals.19) has a value other than a Pertinent Negative.
Rule 24:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Temperature (eVitals.24) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 25:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Temperature (eVitals.24) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 26:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Level of Responsiveness (AVPU) (eVitals.26) has a value other than a NOT VALUE.
Rule 27:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Level of Responsiveness (AVPU) (eVitals.26) has a value other than a NOT VALUE.

eVitals.01 – Date/Time Vital Signs Taken Business Rule(s) part 3

Rule 28:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Pain Score (eVitals.27) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 29:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Pain Score (eVitals.27) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 30:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Stroke Scale Score (eVitals.29) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 31:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Stroke Scale Score (eVitals.29) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 32:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Reperfusion Checklist (eVitals.31) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 33:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Reperfusion Checklist (eVitals.31) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 34:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and APGAR (eVitals.32) has a value other than a Pertinent Negative.
Rule 35:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and APGAR (eVitals.32) has a value other than a Pertinent Negative.
Rule 36:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Applicable" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Revised Trauma Score (eVitals.33) has a value other than a Pertinent Negative.
Rule 37:	Date/Time Vital Signs Taken (eVitals.01) cannot equal "Not Recorded" when Obtained Prior to this Unit's EMS Care (eVitals.02) has value of "No" and Revised Trauma Score (eVitals.33) has a value other than a Pertinent Negative.

eVitals.02 – Obtained Prior to this Unit's EMS Care

Arkansas National

Definition

The date/time vital signs were taken on the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

See Next Page

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

eVitals.02 – Obtained Prior to this Unit's EMS Care Business Rule(s)

Rule 1:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Cardiac Rhythm/Electrocardiography (ECG) (eVitals.03) Cardiac Rhythm/Electrocardiography (ECG) (eVitals.03) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 2:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when SBP (Systolic Blood Pressure) (eVitals.06) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 3:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Mean Arterial Pressure (eVitals.09) has a value.
Rule 4:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Heart Rate (eVitals.10) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 5:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Pulse Oximetry (eVitals.12) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 6:	"Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Respiratory Rate (eVitals.14) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 7:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Carbon Dioxide (eVitals.16) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 8:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Carbon Monoxide (eVitals.17) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 9:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Blood Glucose Level (eVitals.18) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 10:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Glasgow Coma Score - Eye (eVitals.19) has a value other than a Pertinent Negative.
Rule 11:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Temperature (eVitals.24) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 12:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Level of Responsiveness (AVPU) (eVitals.26) has a value other than a NOT VALUE.
Rule 13:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Pain Score (eVitals.27) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 14:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Stroke Scale Score (eVitals.29) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 15:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Reperfusion Checklist (eVitals.31) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 16:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when APGAR (eVitals.32) has a value other than a Pertinent Negative.
Rule 17:	Obtained Prior to this Unit's EMS Care (eVitals.02) cannot equal "Not Applicable" when Revised Trauma Score (eVitals.33) has a value other than a Pertinent Negative.

eVitals.03 – Cardiac Rhythm/ Electrocardiography (ECG)

Arkansas National

Definition

The cardiac rhythm / ECG and other electrocardiography findings of the patient as interpreted by EMS personnel.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_03	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 – Refused 8801023 – Unable to Complete

CorrelationID

Data Type	minLength	maxLength
string	0	255

Code List

See Next Page for Code List

Business Rule(s)

Rule 1:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Applicable" when ECG Type (eVitals.04) has a value other than a NOT VALUE.
Rule 2:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Recorded" when ECG Type (eVitals.04) has a value other than a NOT VALUE.
Rule 3:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Applicable" when Method of EC Interpretation (eVitals.05) has a value other than a NOT VALUE.
Rule 4:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Recorded" when Method of EC Interpretation (eVitals.05) has a value other than a NOT VALUE.

Performance Measure(s)

Cardiac Arrest STEMI

Data Element Comment

eVitals.03 – Cardiac Rhythm/ Electrocardiography (ECG) Code List

Code	Description	Code	Descriptions
9901001	Agonal/ Idioventricular	9901037	Premature Atrial Contractions
9901003	Asystole	9901039	Premature Ventricular Contractions
9901005	Artifact	9901041	Right Bundle Branch Block
9901007	Atrial Fibrillation	9901043	Sinus Arrhythmia
9901009	Atrial Flutter	9901045	Sinus Bradycardia
9901011	AV Block- 1st Degree	9901047	Sinus Rhythm
9901013	AV Block-2nd Degree – Type 1	9901049	Sinus Tachycardia
9901015	AV Block- 2nd Degree – Type 2	9901051	STEMI Anterior Ischemia
9901017	AV Block- 3rd Degree – Type 3	9901053	STEMI Interior Ischemia
9901019	Junctional	9901055	STEMI Lateral Ischemia
9901021	Left Bundle Branch Block	9901057	STEMI Posterior Ischemia
9901023	Non-STEMI Anterior Ischemia	9901059	Supraventricular Tachycardia
9901025	Non-STEMI Inferior Ischemia	9901061	Torsades de Points
9901027	Non-STEMI Lateral Ischemia	9901063	Unknown AED Non-Shockable Rhythm
9901029	Non-STEMI Posterior Ischemia	9901065	Unknown AED Shockable Rhythm
9901031	Other (not Listed)	9901067	Ventricular Fibrillation
9901033	Paced Rhythm	9901069	Ventricular Tachycardia (with Pulse)
9901035	PEA	9901071	Ventricular Tachycardia (Pulseless)

eVitals.04 – ECG Type

Arkansas National

Definition

The type of ECG associated with the cardiac rhythm.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3304001	3 Lead
3304003	4 Lead
3304005	5 Lead
3304007	12 Lead – Left Sided (Normal)
3304009	12 Lead – Right Sided
3304011	15 Lead
3304013	18 Lead
3304015	Other (AED, Not Listed)

Business Rule(s)

Rule 1:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Applicable" when ECG Type (eVitals.04) has a value other than a NOT VALUE.
Rule 2:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Recorded" when ECG Type (eVitals.04) has a value other than a NOT VALUE.
Rule 3:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Applicable" when Method of EC Interpretation (eVitals.05) has a value other than a NOT VALUE.
Rule 4:	Cardiac Rhythm/ Electrocardiography (ECG) (eVitals.03) cannot equal "Not Recorded" when Method of EC Interpretation (eVitals.05) has a value other than a NOT VALUE.

Performance Measure(s)

STEMI

Data Element Comment

Added to better document ECG results.

eVitals.05 – Method of ECG Interpretation

Arkansas National

Definition

The method of ECG interpretation

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
string	0	255

Code List

Code	Description
3305001	Computer Interpretation
3305003	Manual Interpretation
3305005	Transmission with No Interpretation
3305007	Transmission with Remote Interpretation

Performance Measure(s)

STEMI

Data Element Comment

"Transmission with no interpretation" may be used by EMS Agency Personnel that are not trained to interpret cardiac rhythms. Added to better document ECG results.

eVitals.06 – SBP (Systolic Blood Pressure)

Arkansas National

Definition

The patient's systolic blood pressure.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_04	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusinve
Integer	0	500

Business Rule(s)

Rule 1:	SBP (Systolic Blood Pressure) (eVitals.06) cannot equal "Not Applicable" when DBP (Diastolic Blood Pressure) (eVitals.07) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 2:	SBP (Systolic Blood Pressure) (eVitals.06) cannot equal "Not Recorded" when DBP (Diastolic Blood Pressure) (eVitals.07) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 3:	SBP (Systolic Blood Pressure) (eVitals.06) cannot equal "Not Applicable" when Method of Blood Pressure Measurement (eVitals.08) has a value other than a NOT VALUE.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Required for ACS-Field Triage and other patient scoring systems

eVitals.07 – DBP (Diastolic Blood Pressure)

Arkansas National

Definition

The patient's diastolic blood pressure.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_05	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 - Refused 8801023 – Unable to Complete

Constraints

Pattern

[5][0][0]|[1-4][0-9][0-9]|[0]|[1-9][0-9]|P|p

Data Element Comment

Diastolic blood pressure pattern allows for the following values:

1) A number 0 through 500
2) P
3) p

eVitals.08 – Method of Blood Pressure Measurement

Arkansas National

Definition

Indication of method of blood pressure measurement.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3308001	Arterial Line
3308003	Doppler
3308005	Cuff-Automated
3308007	Cuff- Manual Auscultated
3308009	Cuff-Manual Palpated Only
3308011	Venous Line

Business Rule(s)

Rule 1:	Method of Blood Pressure Measurement (eVitals.08) cannot equal "Not Applicable" when SBP (Systolic Blood Pressure) (eVitals.06) has a value other than a NOT VALUE or Pertinent Negative.
Rule 2:	Method of Blood Pressure Measurement (eVitals.08) cannot equal "Not Recorded" when SBP (Systolic Blood Pressure) (eVitals.06) has a value other than a NOT VALUE or Pertinent Negative.

Data Element Comment

eVitals.10 – Heart Rate

Arkansas National

Definition

The patient's heart rate expressed as a number per minute.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	500

Business Rule(s)

Rule 1:	Heart Rate (eVitals.10) cannot equal "Not Applicable" when Method of Heart Rate Measurement (eVitals.11) has a value.
Rule 2:	Heart Rate (eVitals.10) cannot equal "Not Recorded" when Method of Heart Rate Measurement (eVitals.11) has a value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Pulse Rate and Electronic Monitor Rate have been merged with an additional data element for Method of Heart Rate Measurement

eVitals.12 – Pulse Oximetry

Arkansas National

Definition

The patient's oxygen saturation

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_09	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	100

Business Rule(s)

Rule 1: Pulse Oximetry (eVitals.12) cannot equal "Not Recorded"

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eVitals.14 – Respiratory Rate

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_11	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801005 – Exam Finding Not Present 8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	300

Business Rule(s)

Rule 1:	Respiratory Rate (eVitals.14) cannot equal "Not Applicable" when Respiratory Effort (eVitals.15) has a value.
Rule 2:	Respiratory Rate (eVitals.14) cannot equal "Not Recorded" when Respiratory Effort (eVitals.15) has a value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eVitals.15 – Respiratory Effort

Arkansas

Definition

The patient's respiratory effort.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E14_12	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Code List

Code	Description
3315001	Apneic
3315003	Labored
3315005	Mechanically Assisted (BVM, CPAP, etc.)
3315007	Normal
3315009	Rapid
3315011	Shallow
3315013	Weak/Agonal

Data Element Comment

eVitals.16 – Carbon Dioxide (CO2)

Arkansas National

Definition

The numeric value of the patient's end-tidal CO2 level.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_13	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 – Refused 8801023 – Unable to Complete

Units

9933001 – kPa (kilopascal) 9933005 – mmHg (millimeters of mercury 9933007 – Percentage

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	750

Business Rule(s)

Rule 1: Carbon Dioxide (eVitals.16) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Generally the numeric CO2 level is measured in millimeters of mercury (mmHg). End-tidal is the same as exhaled.

eVitals.17 – Carbon Monoxide (CO)

Arkansas National

Definition

The patient's carbon monoxide level measured in %COHb.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Pertinent Negatives (PN)

8801019 – Refused 8801023 – Unable to Complete

Units

9931001 – Percentage 9931003 – PPM (parts per million)

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	12,800

Business Rule(s)

Rule 1: Carbon Monoxide (eVitals.17) cannot equal "Not Recorded".

Data Element Comment

Added to allow use of a new patient monitoring device

eVitals.18 – Blood Glucose Level

Arkansas National

Definition

The patient's blood glucose level

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_14	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	2,000

Business Rule(s)

Rule 1: Blood Glucose Level (eVitals.18) cannot equal "Not Recorded".

Performance Measure(s)

Pediatric Stroke

Data Element Comment

eVitals.19 – Glasgow Coma Score - Eye

Arkansas National

Definition

The patient's Glasgow Coma Score Eye Opening.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_15	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Code	Description
1	No eye movement when assessed (All Age Groups)
2	Opens Eyes to painful stimulation (All Age Groups)
3	Opens Eyes to verbal Stimulation (All Age Groups)
4	Opens Eyes spontaneously (All Age Groups)

Business Rule(s)

Rule 1:	Glasgow Coma Score-Eye (eVitals.19) cannot equal "Not Applicable" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 2:	Glasgow Coma Score-Eye (eVitals.19) cannot equal "Not Recorded" when Total Glasgow Coma Score eVitals.23) has a value.
Rule 3:	Glasgow Coma Score-Eye (eVitals.19) cannot equal "Refused" when Total Glasgow Coma Score eVitals.23) has a value.
Rule 4:	Glasgow Coma Score-Eye (eVitals.19) cannot equal "Unable to Complete" when Total Glasgow Coma Score (eVitals.23) has a value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

eVitals.20 – Glasgow Coma Score - Verbal

Arkansas National

Definition

The patient's Glasgow Coma Score Verbal.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_16	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Code	Description
1	No verbal/vocal response (All Age Groups)
2	Incomprehensible sounds (>2 Years); Inconsolable, agitated
3	Inappropriate words (>2 Years); Inconsistently consolable, moaning
4	Confused (> 2 Years); Cries but is consolable, inappropriate interactions
5	Oriented (> 2 Years); Smiles, oriented to sounds, follows objects, interacts

Business Rule(s)

Rule 1:	Glasgow Coma Score-Verbal (eVitals.20) cannot equal "Not Applicable" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 2:	Glasgow Coma Score-Verbal (eVitals.20) cannot equal "Not Recorded" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 3:	Glasgow Coma Score-Verbal (eVitals.20) cannot equal "Refused" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 4:	Glasgow Coma Score-Verbal (eVitals.20) cannot equal "Unable to Complete" when Total Glasgow Coma Score (eVitals.23) has a value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

eVitals.21 – Glasgow Coma Score - Motor

Arkansas National

Definition

The patient's Glasgow Coma Score Motor.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_17	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Code	Description
1	No Motor Response (All Age Groups)
2	Extension to pain (All Age Groups)
3	Flexion to pain (All Age Groups)
4	Withdrawal from pain (All Age Groups)
5	Localizing pain (All Age Groups)
6	Obeys commands (> 2 Years); Appropriate response to stimulation

Business Rule(s)

Rule 1:	Glasgow Coma Score-Motor (eVitals.21) cannot equal "Not Applicable" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 2:	Glasgow Coma Score-Motor (eVitals.21) cannot equal "Not Recorded" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 3:	Glasgow Coma Score-Motor (eVitals.21) cannot equal "Refused" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 4:	Glasgow Coma Score-Motor (eVitals.21) cannot equal "Unable to Complete" when Total Glasgow Coma Score (eVitals.23) has a value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

eVitals.22 – Glasgow Coma Score - Qualifier

Arkansas National

Definition

Documentation of factors which make the GCS scores more meaningful.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_18	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3322001	Eye Obstruction Prevents Eye Assessment
3322003	Initial GCS has legitimate values without interventions such as intubation and sedation
3322005	Patient Chemically Paralyzed
3322007	Patient Chemically Sedated
3322009	Patient Intubated

Business Rule(s)

Rule 1:	Glasgow Coma Score-Qualifier (eVitals.22) cannot equal "Not Recorded" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 2:	Glasgow Coma Score-Qualifier (eVitals.22) cannot equal "Refused" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 3:	Glasgow Coma Score-Qualifier (eVitals.22) cannot equal "Unable to Complete" when Total Glasgow Coma Score (eVitals.23) has a value.
Rule 4:	Glasgow Coma Score-Qualifier (eVitals.22) cannot equal "Not Applicable" when Total Glasgow Coma Score (eVitals.23) has a value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

eVitals.23 – Total Glasgow Coma Score

Arkansas

Definition

The patient's total Glasgow Coma Score.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	NO	Not Values	Yes
Version 2 Element	E14_19	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	3	15

Business Rule(s)

Rule 1:	Total Glasgow Coma Score (eVitals.23) cannot equal "Not Recorded".
Rule 2:	Total Glasgow Coma Score (eVitals.23) cannot equal "Not Reporting".
Rule 3:	Total Glasgow Coma Score (eVitals.23) cannot equal "Refused".

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Can be documented or calculated from EVitals.19 (GCS-Eye), EVitals.20 (GCS-Verbal), and EVitals.21 (GCS-Motor).

eVitals.26 – Level of Responsiveness (AVPU)

Arkansas National

Definition

The patient's highest level of responsiveness

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_22	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3326001	Alert
3326003	Verbal
3326005	Painful
3326007	Unresponsive

Business Rule(s)

Rule 1: Level of Responsiveness (eVitals.26) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Definition changed to indicate highest level of responsiveness.

eVitals.27 – Pain Scale Score

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_23	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	10

Business Rule(s)

Rule 1:	Pain Score (eVitals.27) cannot equal "Not Applicable" when Pain Scale Type (eVitals.28) has a value.
Rule 2:	Pain Score (eVitals.27) cannot equal "Not Recorded" when Pain Scale Type (eVitals.28) has a value.

Performance Measure(s)

Pediatric STEMI Trauma

Data Element Comment

The Pain Score can be obtained from several pain measurement tools or pain scale types (eVitals.28). The pain scale type used should have a numeric value associated with each diagram as appropriate. If the pain scale type utilizes multiple indicators/categories the total should be calculated and entered for the pain score associated with the patient assessment.

eVitals.28 – Pain Scale Type

Arkansas

Definition

The type of pain scale used.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Recording

Code List

Code	Description
3328001	FLACC (Face, Legs, Activity, Cry, Consolability)
3328003	Numeric (0 – 10)
3328005	Other (Not Listed)
3328007	Wong – Baker (FACES)

Business Rule(s)

Rule 1:	Pain Scale Type (eVitals.28) cannot equal "Not Applicable" when Pain Score (eVitals.27) has a value.
Rule 2:	Pain Scale Type (eVitals.28) cannot equal "Not Recorded" when Pain Score (eVitals.27) has a value.
Rule 3:	Pain Scale Type (eVitals.28) cannot equal "Not Reporting" when Pain Score (eVitals.27) has a value.
Rule 4:	Pain Scale Type (eVitals.28) cannot be left blank when Pain Score (eVitals.27) has a value.

Data Element Comment

Added to better document the patient's pain level.

eVitals.29 – Stroke Scale Score

Arkansas National

Definition

The findings or results of the Stroke Scale Type (eVitals.30) used to assess the patient exhibiting stroke-like symptoms.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_24	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Code	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

Business Rule(s)

Rule 1:	Stroke Scale Score (eVitals.29) cannot equal "Not Applicable" when Stroke Scale Type (eVitals.30) has a value other than a NOT VALUE.
Rule 2:	Stroke Scale Score (eVitals.29) cannot equal "Not Recorded" when Stroke Scale Type (eVitals.30) has a value other than a NOT VALUE.

Performance Measure(s)

Stroke

Data Element Comment

eVitals.30 – Stroke Scale Type

Arkansas National

Definition

The type of stroke scale used.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3330001	Cincinnati
3330003	Los Angeles
3330005	Massachusetts
3330007	Miami Emergency Neurological Deficit (MEND)
3330009	NIH
3330011	Other Stroke Scale Type
3330013	F.A.S.T. Exam

Business Rule(s)

Rule 1:	Stroke Scale Type (eVitals.30) cannot equal "Not Recorded" when Stroke Scale Score (eVitals.29) has a value other than a NOT VALUE or a Pertinent Negative.
Rule 2:	Stroke Scale Type (eVitals.30) cannot equal "Not Recorded" when Stroke Scale Score (eVitals.29) has a value other than a NOT VALUE or a Pertinent Negative.

Performance Measure(s)

Stroke

Data Element Comment

Added to include additional detail on the stroke scale used.

eVitals.31 – Reperfusion Checklist

Arkansas National

Definition

The results of the patient's Reperfusion Checklist for potential Thrombolysis use.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E14_25	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Code	Description
3331001	Definite Contraindications to Thrombolytic Use
3331003	No Contraindications to Thrombolytic Use
3331005	Possible Contraindications to Thrombolytic Use

Performance Measure(s)

Stroke

Data Element Comment

Name changed from Thrombolytic Screen.

eVitals.32 – APGAR

Arkansas

Definition

The patient's total APGAR score (0-10).

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	No
Version 2 Element	E14_26	Is Nillable	Yes
NEMSIS Usage	Optional	Recurrence	0 : 1

Attributes

Pertinent Negatives (PN)

8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	0	10

Data Element Comment

Recommended to be taken at 1 and 5 minutes after the infant's birth.

eVitals.33 – Revised Trauma Score

Arkansas

Definition

The patient's Revised Trauma Score.

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	No	Not Values	No
Version 2 Element	E14_27	Is Nillable	Yes
NEMSIS Usage	Optional	Recurrence	0 : 1

Attributes

Pertinent Negatives (PN)

8801019 - Refused 8801023 – Unable to Complete

Code List

Data Type	minInclusive	maxInclusive
Integer	0	10

Data Element Comment

Procedures

eProcedures.01 – Date/Time Procedure was Performed

Arkansas National

Definition

The date/time the procedure was performed on the patient

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Date/Time Procedure Performed (eProcedure.01) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code and Procedure Performed Prior to this Unit's EMS Care (eProcedure.02) is equal to "No".
Rule 2:	Date/Time Procedure Performed (eProcedure.01) cannot equal "Not Recorded" when Procedure (eProcedures.03) has a valid SNOMED CT Code and Procedure Performed Prior to this Unit's EMS Care (eProcedure.02) is equal to "No".
Rule 3:	Date/Time Procedure Performed (eProcedures.01) must greater than or equal to Unit Arrived on Scene Date/Time (eTimes.06) when Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value of "No".
Rule 4:	Date/Time Procedure Performed (eProcedures.01) must greater than or equal to Arrive at Patient Date/Time (eTimes.07) when Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value of "No".
Rule 5:	Date/Time Procedure Performed (eProcedures.01) less than or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eProcedures.02 – Procedure Performed Prior to this Unit's EMS Care

Arkansas | National

Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS units care.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1:	Procedure Performed Prior to this Unit's EMS Care (eProcedure.02) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code.
Rule 2:	Procedure Performed Prior to this Unit's EMS Care (eProcedure.02) cannot equal "Not Recorded" when Procedure (eProcedures.03) has a valid SNOMED CT Code.

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid

eProcedures.03 – Procedure

Arkansas National

Definition

The procedure performed on the patient

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_03	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 – Denied By Order 8801019 – Refused
8801023 – Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
Integer	100,000	1,000,000,000

Business Rule(s)

See Next Page for Business Rules

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Procedures which are recorded as a Vital Sign do not have to be documented in the Procedure Section.
Code list is represented in SNOMEDCT. Reference the NEMSIS Suggested Lists at:
http://nemsis.org/v3/resources.html

SNOMEDCT
Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
Product: Product - UMLS Metathesaurus

eProcedures.03 – Procedure Business Rule(s)

Rule 1:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Date/Time Procedure Performed (eProcedures.01) has a date/time value.
Rule 2:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Procedure Performed Prior to this Unit's EMS Care (eProcedures.02) has a value.
Rule 3:	Procedure (eProcedures.03) cannot equal "Not Recorded".
Rule 4:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Number of Procedure Attempts (eProcedures.05) has a value.
Rule 5:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Procedure Successful (eProcedures.06) has a value.
Rule 6:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Procedure Complication (eProcedures.07) has a value.
Rule 7:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Response to Procedure (eProcedures.08) has a value.
Rule 8:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Procedure Crew Member ID (eProcedures.09) has a value.
Rule 9:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Role/Type of Person Performing the Procedure (eProcedures.10) has a value.
Rule 10:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Procedure Authorization (eProcedures.11) has a value.
Rule 11:	Procedure (eProcedures.03) cannot equal "Not Applicable" when Vascular Access Location (eProcedures.13) has a value.

eProcedures.05 – Number of Procedure Attempts

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
Integer	1	10

Business Rule(s)

Rule 1:	Number of Procedure Attempts (eProcedure.05) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.
Rule 2:	Number of Procedure Attempts (eProcedures.05) must equal 1 when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.
Rule 3:	Number of Procedure Attempts (eProcedures.05) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eProcedures.06 – Procedure Successful

Arkansas National

Definition

Indicates that this individual procedure attempt which was performed on the patient was successful.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1:	Procedure Successful (eProcedure.06) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.
Rule 2:	Procedure Successful (eProcedures.06) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eProcedures.07 – Procedure Complication

Arkansas National

Definition

Any complication (abnormal effect on the patient) associated with the performance of the procedure on the patient

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
3907001	Altered Mental Status	3907023	Hypothermia
3907003	Apnea	3907025	Hypoxia
3907005	Bleeding	3907027	Injury
3907047	Bradycardia	3907049	Itching
3907007	Bradypnea	3907031	Nausea
3907009	Diarrhea	3907033	None
3907011	Esophageal Intubation - Immediately	3907035	Other (Not Listed)
3907013	Esophageal Intubation – other	3907039	Respiratory Distress
3907015	Extravasation	3907041	Tachycardia
3907017	Hypertension	3907043	Tachypnea
3907019	Hyperthermia	3907045	Vomiting
3907021	Hypotension	3907051	Urticaria

Business Rule(s)

Rule 1:	Procedure Complication (eProcedure.07) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.
Rule 2:	Procedure Complication (eProcedures.07) cannot equal "Not Recorded".

Performance Measure(s)

Airway Pediatric Trauma

Data Element Comment

eProcedures.08 – Response to Procedure

Arkansas National

Definition

The patient's response to the procedure.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E19_08	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Business Rule(s)

Rule 1:	Response to Procedure (eProcedure.08) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.
Rule 2:	Response to Procedure (eProcedures.08) cannot equal "Not Recorded".

Data Element Comment

eProcedures.09 – Procedure Crew Member ID

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E19_09	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	50

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

For an incident that occurs in multiple states, the certification ID number the EMS agency would typically use is based on the EMS agency's state license specific to each EMS professional. If the incident needs to be reported to each state, then the EMS Agency Number for each state should be submitted as well as the certification ID numbers for each EMS professional on the unit.

eProcedures.10 – Role/Type of Person Performing Procedure

Arkansas National

Definition

The type (level) of EMS or Healthcare Professional performing the procedure. For procedures performed prior to EMS arrival, this may be a non-EMS healthcare professional

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
9905001	Advanced Emergency Medical Technician (AEMT)
9905003	Emergency Medical Responder (EMR)
9905005	Emergency Medical Technician (EMT)
9905007	Paramedic
9905019	Other Healthcare Provider
9905021	Other Non-Healthcare Provider
9905023	Patient/ Lay Person
9905025	Physician
9905027	Respiratory Therapist
9905029	Student
9905031	Critical Care Paramedic
9905033	Community Paramedicine
9905041	Registered Nurse

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Added to document the type of healthcare professional administering the medication. This could be auto-completed from the crew ID but is necessary to document medication administration prior to EMS arrival. State may maintain an enumerated list but must collapse to the National Standard.

eProcedures.11 – Procedure Authorization

Arkansas

Definition

The type of treatment authorization obtained.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E19_10	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Code List

Code	Description
9918001	On-Line (Remote Verbal Order)
9918003	On-Scene
9918005	Protocol (Standing Order)
9918007	Written Order (Patient Specific)

Business Rule(s)

Rule 1: Procedure Authorization (eProcedure.11) cannot be left blank when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.

Data Element Comment

eProcedures.13 – Vascular Access Location

Arkansas

Definition

The location of the vascular access site attempt on the patient, if applicable.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E19_12	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description	Code	Description
3913001	Antecubital – Left	3913041	IO – Tibia – Left Distal
3913003	Antecubital – Right	3913043	IO – Sternum
3913005	External Jugular – Left	3913045	IO – Tibia – Right Distal
3913007	External Jugular – Right	3913047	IO – Tibia – Left Proximal
3913009	Femoral – Left IV	3913049	IO – Tibia – Right Proximal
3913011	Femoral – Right IV	3913051	Lower Extremity – Left
3913013	Foot – Right	3913053	Lower Extremity – Right
3913015	Foot – Left	3913055	Other Peripheral
3913017	Forearm – Left	3913057	Other Central Line (PICC, Portacath, etc.)
3913019	Forearm – Right	3913059	Scalp
3913021	Hand – Left	3913061	Subclavian – Left
3913023	Hand – Right	3913063	Subclavian – Right
3913025	Internal Jugular – Left	3913065	Umbilical
3913027	Internal Jugular – Right	3913067	Venous Cutdown – Left Lower Extremity
3913029	IO – Iliac Crest – Left	3913069	Venous Cutdown – Right Lower Extremity
3913031	IO – Iliac Crest – Right	3913071	Upper Arm – Left
3913033	IO – Femoral – Left Distal	3913073	Upper Arm – Right
3913035	IO – Femoral – Right Distal	3913075	Radial – Left
3913037	IO – Humeral – Left	3913077	Radial - Right
3913039	IO – Humeral – Right		

Data Element Comment

This is now associated with the Date/Time of the procedure and therefore changed to single choice. This allows the location to be documented with each procedure and attempt. If the vascular access has been established prior to EMS, this should be documented as such.

Medications

eMedications.01 – Date/Time Medication Administered

Arkansas National

Definition

The date/time medication administered to the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Date/Time Medication Administered (eMedications.01) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value and Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value of "No".
Rule 2:	Date/Time Medication Administered (eMedications.01) cannot equal "Not Recorded" when Medication Given (eMedication.03) has an RX Norm value and Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value of "No".
Rule 3:	Date/Time Medication Administered (eMedications.01) must greater than or equal to Unit Arrived on Scene Date/Time (eTimes.06) when Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value of "No".
Rule 4:	Date/Time Medication Administered (eMedications.01) must greater than or equal to Arrive at Patient Date/Time (eTimes.07) when Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value of "No".
Rule 5:	Date/Time Medication Administered (eMedications.01) less than or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

eMedications.02 – Medication Administered Prior to this Unit's EMS Care

Arkansas | National

Definition

Indicates that the medication administration which is documented was administered prior to this EMS units care

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1:	Medication Administered Prior to this Unit's EMS Care (eMedications.02) cannot equal "Not Applicable" when Medication Given (eMedications.03) has an RX Norm value and does not have a Pertinent Negative.
Rule 2:	Medication Administered Prior to this Unit's EMS Care (eMedications.02) cannot equal "Not Recorded".

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

This is the NEMSIS Version 3 method to document prior aid

eMedications.03 – Medication Given

Arkansas National

Definition

The medication given to the patient

Arkansas Usage	Yes	Pertinent Negatives	Yes
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_03	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 – Denied By Order 8801007 – Medication Allergy
8801009 – Medication Already Taken 8801019 – Refused 8801023 – Unable to Complete

Constraints

Data Type	minLength	maxLength
String	2	7

Business Rule(s)

See Next Page for Business Rules

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html

RxNorm
Website - http://uts.nlm.nih.gov

Product - UMLS Metathesaurus
Website - http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html
Product - RxNorm Full Monthly Release

eMedications.03 – Medication Given Business Rule(s)

Rule 1:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Date/Time Medication Administered (eMedications.01) has a date/time value.
Rule 2:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Administered Prior to this Unit's EMS Care (eMedications.02) has a value.
Rule 3:	Medication Given (eMedications.03) cannot equal "Not Recorded".
Rule 4:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Administered Route (eMedications.04) has a value.
Rule 5:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Dosage (eMedications.05) has a value.
Rule 6:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Dosage Units (eMedications.06) has a value.
Rule 7:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Response to Medication (eMedications.07) has a value.
Rule 8:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Complication (eMedications.08) has a value.
Rule 9:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Crew (Healthcare Professionals) ID (eMedications.09) has a value.
Rule 10:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Role/Type of Person Administering Medication (eMedications.10) has a value.
Rule 11:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Authorization (eMedications.11) has a value.

eMedications.04 – Medication Administered Route

Arkansas

Definition

The route medication was administered to the patient

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E18_04	Is Nillable	No
NEMSIS Usage	Recommended	Recurrence	0 : 1

Code List

Code	Description	Code	Description
9927001	Blow-By	9927041	Re-breather mask
9927003	Buccal	9927043	Rectal
9927005	Endotracheal Tube (ET)	9927045	Subcutaneous
9927007	Gastrostomy Tube	9927047	Sublingual
9927009	Inhalation	9927049	Topical
9927011	Intra-arterial	9927051	Tracheostomy
9927013	Intradermal	9927053	Transdermal
9927015	Intramuscular (IM)	9927055	Urethral
9927017	Intranasal	9927057	Ventimask
9927019	Intraocular	9927059	Wound
9927061	Portacath		

Business Rule(s)

Rule 1: Medication Administered Route (eMedications.04) cannot be left blank when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives

Data Element Comment

This medication route list represents a sub-group of values from the Data Elements for Emergency Department Systems (DEEDS), pertaining to prehospital care.

DEEDS Version 1.0 was utilized for this list: http://www.cdc.gov/ncipc/pub-res/pdf/deeds.pdf. The list can be found on page 152 of 274 of the PDF document in Section 5, 5.13 Current Therapeutic Medication Route.

eMedications.05 – Medication Dosage

Arkansas National

Definition

The dose or amount of the medication given to the patient.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	totalDigits	FractionDigits
Decimal	9	3

Business Rule(s)

Rule 1:	Medication Dosage (eMedications.05) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives.
Rule 2:	Medication Dosage (eMedications.05) cannot equal "Not Recorded"

Data Element Comment

eMedications.06 – Medication Dosage Units

Arkansas National

Definition

The unit of medication dosage given to patient

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

See Next Page for Code List

Business Rule(s)

Rule 1:	Medication Dosage Units (eMedications.06) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives.
Rule 2:	Medication Dosage Units (eMedications.06) cannot equal "Not Recorded"

Data Element Comment

eMedications.06 – Medication Dosage Units Code List

Code	Description
3706015	Centimeters (cm)
3706017	Drops (gtts)
3706001	Grams (gms)
3706003	Inches (in)
3706005	International Units (IU)
3706007	Keep Vein Open (kvo)
3706009	Liters (l)
3706011	Liters per Minute (l/min [fluid])
3706019	Liters per Minute (LPM [gas])
3706013	Metered Dose (MDI)
3706015	Micrograms (mcg)
3706033	Micrograms per Kilogram (mcq/kg)
3706017	Micrograms per Kilogram per Minute (mcg/kg/min)
3706021	Micrograms per Minute (mcq/min)
3706021	Milligrams (mg)
3706025	Milligrams per Kilogram (mg/kg)
3706023	Milligrams per Kilogram per Minute (mg/kg/min)
3706027	Milligrams per Minute (mg/min)
3706025	Milliliters (ml)
3706027	Milliliters per Hour (ml/hr)
3706029	Other
3706029	Puffs
3706035	Units
3706031	Units per Hour (units/hr)
3706039	Units per Kilogram (units/kg)
3706037	Units per Kilogram per Hour (units/kg/hr)

eMedications.07 – Response to Medication

Arkansas National

Definition

The patient's response to the medication

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Business Rule(s)

Rule 1: Response to Medication (eMedications.07) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives.

Data Element Comment

eMedications.08 – Medication Complication

Arkansas National

Definition

Any complication (abnormal effect on the patient) associated with the performance of the procedure on the patient

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E18_08	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
3708001	Altered Mental Status	3708023	Hypoxia
3708003	Apnea	3708025	Injury
3708005	Bleeding	3708029	Nausea
3708007	Bradycardia	3708031	None
3708009	Bradypnea	3708033	Other (Not Listed)
3708011	Diarrhea	3708035	Respiratory Distress
3708013	Extravasation	3708037	Tachycardia
3708015	Hypertension	3708039	Tachypnea
3708017	Hyperthermia	3708041	Vomiting
3708019	Hypotension	3708043	Itching
3708021	Hypothermia	3708045	Urticaria

Business Rule(s)

Rule 1:	Medication Complication (eMedications.08) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives.
Rule 2:	Medication Complication (eMedications.08) cannot equal "Not Recorded"

Data Element Comment

eMedications.09 – Medication Crew (Healthcare Professional) ID

Arkansas

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E18_09	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	50

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

How should the state ID for an EMS professional be record when working on an event in 2 states. The ID used would typically be based on the EMS agency's state license specific to each EMS professional. Used for eProcedures.09 (Procedure Crew Members ID) as well.

eMedications.10 – Role/Type of Person Administering Medication

Arkansas | National

Definition

The type (level) of EMS or Healthcare Professional Administering the Medication. For medications administered prior to EMS arrival, this may be a non-EMS healthcare professional.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
9905001	Advanced Emergency Medical Technician (AEMT)
9905003	Emergency Medical Responder (EMR)
9905005	Emergency Medical Technician (EMT)
9905007	Paramedic
9905019	Other Healthcare Provider
9905021	Other Non-Healthcare Provider
9905023	Patient/ Lay Person
9905025	Physician
9905027	Respiratory Therapist
9905029	Student
9905031	Critical Care Paramedic
9905033	Community Paramedicine
9905041	Registered Nurse

Business Rule(s)

Rule 1:	Role/Type of Person Administering Medication (eMedications.10) cannot equal "Not Applicable" when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives.
Rule 2:	Role/Type of Person Administering Medication (eMedications.10) cannot equal "Not Recorded"

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Added to document the type of healthcare professional administering the medication. This could be auto-completed from the crew ID but is necessary to document medication administration prior to EMS arrival. State may maintain an enumerated list but must collapse to the National Standard.
Role/Type of Person Administering Medication (eMedications.10) cannot equal "Not Recorded"

eMedications.11 – Medication Authorization

Arkansas

Definition

The type of treatment authorization obtained

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E18_10	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Code List

Code	Description
9918001	On-Line (Remote Verbal Order)
9918003	On-Scene
9918005	Protocol (Standing Order)
9918007	Written Order (Patient Specific)

Performance Measure(s)

Rule 1: Medication Authorization (eMedications.11) cannot be left blank when Medication Given (eMedication.03) has an RX Norm value and no Pertinent Negatives.

Data Element Comment

Cardiac Arrest

eArrest.01 – Cardiac Arrest

Arkansas National

Definition

Indication of the presence of a cardiac arrest at any time during this EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3001001	No
3001003	Yes, Prior to EMS Arrival
3001005	Yes, After EMS Arrival

Business Rule(s)

See Next Page for Business Rules

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria.

If this EMS event is for an interfacility transfer of a patient with a recent history of a cardiac arrest with ROSC, and who does not experience another cardiac arrest during transport, then do not document Cardiac Arrest (eArrest.01) with "Yes, Prior to EMS Arrival".

eArrest.01 – Cardiac Arrest Business Rule(s) part 1

Rule 1:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when Cardiac Arrest Etiology (eArrest.02) has a value other than a NOT VALUE.
Rule 2:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when Cardiac Arrest Etiology (eArrest.02) has a value other than a NOT VALUE.
Rule 3:	Cardiac Arrest (eArrest.01) cannot equal "No" when Cardiac Arrest Etiology (eArrest.02) has a value other than a NOT VALUE.
Rule 4:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when Resuscitation Attempted By EMS (eArrest.03) has a value other than a NOT VALUE.
Rule 5:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when Resuscitation Attempted By EMS (eArrest.03) has a value other than a NOT VALUE.
Rule 6:	Cardiac Arrest (eArrest.01) cannot equal "No" when Resuscitation Attempted By EMS (eArrest.03) has a value other than a NOT VALUE.
Rule 7:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when Arrest Witnessed By (eArrest.04) has a value other than a NOT VALUE.
Rule 8:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when Arrest Witnessed By (eArrest.04) has a value other than a NOT VALUE.
Rule 9:	Cardiac Arrest (eArrest.01) cannot equal "No" when Arrest Witnessed By (eArrest.04) has a value other than a NOT VALUE.
Rule 10:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when CPR Care Provided Prior to EMS Arrival (eArrest.05) has a value other than a NOT VALUE.
Rule 11:	Medication Given (eMedications.03) cannot equal "Not Applicable" when Medication Authorization (eMedications.11) has a value.
Rule 12:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when CPR Care Provided Prior to EMS Arrival (eArrest.05) has a value other than a NOT VALUE.
Rule 13:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when AED Use Prior to EMS Arrival (eArrest.07) has a value other than a NOT VALUE.
Rule 14:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when AED Use Prior to EMS Arrival (eArrest.07) has a value other than a NOT VALUE.
Rule 15:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when First monitored Arrest Rhythm of the Patient (eArrest.11) has a value other than a NOT VALUE.
Rule 16:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when First monitored Arrest Rhythm of the Patient (eArrest.11) has a value other than a NOT VALUE.
Rule 17:	Cardiac Arrest (eArrest.01) cannot equal "No" when First monitored Arrest Rhythm of the Patient (eArrest.11) has a value other than a NOT VALUE.
Rule 18:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when Date/Time of Cardiac Arrest (eArrest.14) has a date/time value.

eArrest.01 – Cardiac Arrest Business Rule(s) part 2

Rule 19:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when Date/Time of Cardiac Arrest (eArrest.14) has a date/time value.
Rule 20:	Cardiac Arrest (eArrest.01) cannot equal "No" when Date/Time of Cardiac Arrest (eArrest.14) has a date/time value.
Rule 21:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when Cardiac Rhythm on Arrival at Destination (eArrest.17) has a value other than a NOT VALUE.
Rule 22:	Cardiac Arrest (eArrest.01) cannot equal ""Not Recorded"" when Cardiac Rhythm on Arrival at Destination (eArrest.17) has a value other than a NOT VALUE.
Rule 23:	Cardiac Arrest (eArrest.01) cannot equal "No" when Cardiac Rhythm on Arrival at Destination (eArrest.17) has a value other than a NOT VALUE.
Rule 24:	Cardiac Arrest (eArrest.01) cannot equal "Not Applicable" when End of EMS Cardiac Arrest Event (eArrest.18) has a value other than a NOT VALUE.
Rule 25:	Cardiac Arrest (eArrest.01) cannot equal "Not Recorded" when End of EMS Cardiac Arrest Event (eArrest.18) has a value other than a NOT VALUE.
Rule 26:	Cardiac Arrest (eArrest.01) cannot equal "No" when End of EMS Cardiac Arrest Event (eArrest.18) has a value other than a NOT VALUE.

eArrest.02 – Cardiac Arrest Etiology

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3002001	Cardiac (Presumed)
3002003	Drowning/Submersion
3002005	Drug Overdose
3002007	Electrocution
3002009	Exsanguination
3002011	Other (Not Listed)
3002013	Respiratory/Asphyxia
3002015	Trauma

Business Rule(s)

Rule 1:	Cardiac Arrest Etiology (eArrest.02) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	Cardiac Arrest Etiology (eArrest.02) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria.

Following the UTSTEIN standard of cardiac arrest etiology the values were determined based on the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".
http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.03 – Resuscitation Attempted by EMS

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_03	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3003001	Attempted Defibrillation
3003003	Attempted Ventilation
3003005	Initiated Chest Compressions
3003007	Not Attempted – Consider Futile
3003009	Not Attempted – DNR Orders
3003011	Not Attempted – Signs of Circulation

Business Rule(s)

See Next Page for Business Rule(s)

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.03 – Resuscitation Attempted by EMS Business Rule(s) part 1

Rule 1:	Resuscitation Attempted by EMS (eArrest.03) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	Resuscitation Attempted by EMS (eArrest.03) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".
Rule 3:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-Considered Futile" and "Attempted Defibrillation" in the same record.
Rule 4:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-Considered Futile" and "Attempted Ventilation" in the same record.
Rule 5:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-Considered Futile" and "Initiated Chest Compressions" in the same record.
Rule 6:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-DNR Orders" and ""Attempted Defibrillation" in the same record.
Rule 7:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-DNR Orders" and "Attempted Ventilation" in the same record.
Rule 8:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-DNR Orders" and "Initiated Chest Compressions" in the same record.
Rule 9:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-Signs of Circulation" and "Attempted Defibrillation" in the same record.
Rule 10:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-Signs of Circulation" and "Attempted Ventilation" in the same record.
Rule 11:	Resuscitation Attempted by EMS (eArrest.03) cannot equal "Not Attempted-Signs of Circulation" and "Initiated Chest Compressions" in the same record.
Rule 12:	Resuscitation Attempted by EMS (eArrest.03) must equal "Initiated Chest Compressions" when Type of CPR Provided (eArrest.09) has a value of "Compressions-Continuous".
Rule 13:	Resuscitation Attempted by EMS (eArrest.03) must equal "Attempted Ventilation" when Type of CPR (eArrest.09) has a value of "Ventilation-Bag Valve Mask".
Rule 14:	Resuscitation Attempted by EMS (eArrest.03) must equal "Initiated Chest Compressions" when Type of CPR Provided (eArrest.09) has a value of "Compressions-External Band Type Device".
Rule 15:	Resuscitation Attempted by EMS (eArrest.03) must equal "Initiated Chest Compressions" when Type of CPR Provided (eArrest.09) has a value of "Compressions-External Plunger Type Device".

eArrest.03 – Resuscitation Attempted by EMS Business Rule(s) part 2

Rule 16:	Resuscitation Attempted by EMS (eArrest.03) must equal "Initiated Chest Compressions" when Type of CPR Provided (eArrest.09) has a value of "Compressions-External Thumper Type Device".
Rule 17:	Resuscitation Attempted by EMS (eArrest.03) must equal "Initiated Chest Compressions" when Type of CPR Provided (eArrest.09) has a value of "Compressions-Intermittent with Ventilation".
Rule 18:	Resuscitation Attempted by EMS (eArrest.03) must equal "Initiated Chest Compressions" when Type of CPR Provided (eArrest.09) has a value of "Compressions-Other Device (Not Listed)".
Rule 19:	Resuscitation Attempted by EMS (eArrest.03) must equal "Attempted Ventilation" when Type of CPR (eArrest.09) has a value of "Ventilation-Impedance Threshold Device".
Rule 20:	Resuscitation Attempted by EMS (eArrest.03) must equal "Attempted Ventilation" when Type of CPR (eArrest.09) has a value of "Ventilation-Mouth to Mouth".
Rule 21:	Resuscitation Attempted by EMS (eArrest.03) must equal "Attempted Ventilation" when Type of CPR (eArrest.09) has a value of "Ventilation-Pocket Mask".
Rule 22:	Resuscitation Attempted By EMS (eArrest.03) cannot equal "Not Applicable" when Any Return of Spontaneous Circulation (eArrest.12) has a value other than a NOT VALUE.

eArrest.04 – Resuscitation Attempted by EMS

Arkansas National

Definition

Indication of who the cardiac arrest was witnessed by

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_04	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3004001	Not Witnessed
3004003	Witnessed by Family Member
3004005	Witnessed by Healthcare Provider
3004007	Witnessed by Lay Person

Business Rule(s)

Rule 1:	Arrest Witness By (eArrest.04) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	Arrest Witness By (eArrest.04) cannot equal "Not Recorded" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 3:	Arrest Witness By (eArrest.04) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".
Rule 4:	Arrest Witness By (eArrest.04) cannot equal "Not Recorded" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.05 – Resuscitation Attempted by EMS

Arkansas National

Definition

The role(s) of the role member during response, at scene treatment, and/or transport.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Business Rule(s)

Rule 1:	CPR Care Provided Prior to EMS Arrival (eArrest.05) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	CPR Care Provided Prior to EMS Arrival (eArrest.05) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.06 – Who Provided CPR Prior to EMS Arrival

Arkansas

Definition

Documentation of who performed CPR prior to this EMS unit's arrival.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	1 : M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3006001	Family Member
3006003	First Responder (Fire, Law, EMS)
3006005	Healthcare Professional (Non-EMS)
3006007	Lay Person (Non-Family)
3006009	Other EMS Professional (not part of dispatched response)

Business Rule(s)

Rule 1: Who Provided CPR Prior to EMS Arrival (eArrest.06) cannot be left blank when CPR Care Provided Prior to EMS Arrival (eArrest.05) has a value of "Yes".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Associated with eArrest.05 (CPR Care Provided Prior to EMS Arrival) but only required if CPR was provided prior to EMS arrival.

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.07 – AED Use Prior to EMS Arrival

Arkansas National

Definition

Documentation of AED use prior to EMS arrival.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3007001	No
3007003	Yes, Applied without Defibrillation
3007005	Yes, With Defibrillation

Business Rule(s)

Rule 1:	AED Use Prior to EMS Arrival (eArrest.07) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of “Yes, Prior to EMS Arrival".
Rule 2:	AED Use Prior to EMS Arrival (eArrest.07) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of “Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.08 – Who Used AED Prior to EMS Arrival

Arkansas

Definition

Documentation of who used the AED prior to this EMS unit's arrival.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3008001	Family Member
3008003	First Responder (Fire, Law, EMS)
3008005	Healthcare Professional (Non-EMS)
3008007	Lay Person (Non-Family)
3008009	Other EMS Professional (Not part of the dispatched response)

Business Rule(s)

Rule 1: Who Used AED Prior to EMS Arrival (eArrest.08) cannot be left blank when AED Use Prior to EMS Arrival (eArrest.07) has a value of "Yes".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Associated with eArrest.07 (AED Use Prior to EMS Arrival).

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.09 – Type of CPR Provided

Arkansas National

Definition

Documentation of the type/technique of CPR used by EMS.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3009001	Compressions – Continuous
3009003	Compressions – External Band Type Device
3009005	Compressions – External Plunger Type Device
3009007	Compressions – External Thumper Type Device
3009009	Compressions – Intermittent with Ventilation
3009011	Compressions – Other Device
3009013	Ventilation – Bag Valve Mask
3009015	Ventilation – Impedance Threshold Device
3009017	Ventilation – Mouth to Mouth
3009019	Ventilation – Pocket Mask

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Added to capture special CPR techniques.

eArrest.11 – First Monitored Arrest Rhythm of the Patient

Arkansas National

Definition

Documentation of what the first monitored arrest rhythm which was noted.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3011001	Asystole
3011005	PEA
3011007	Unknown AED Non-Shockable Rhythm
3011009	Unknown AED Shockable Rhythm
3011011	Ventricular Fibrillation
3011013	Ventricular Tachycardia – Pulseless

Business Rule(s)

Rule 1:	First Monitored Rhythm of the Patient (eArrest.11) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	First Monitored Rhythm of the Patient (eArrest.11) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Added term "Arrest" to title to clarify this is the arrest rhythm
Values "Other" and "Normal Sinus Rhythm" removed since they are not Cardiac Arrest Rhythms.
Value "Ventricular Tachycardia" has been changed to "Ventricular Tachycardia-Pulseless".

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

eArrest.12 – Any Return of Spontaneous Circulation

Arkansas National

Definition

Indication whether or not there was any return of spontaneous circulation.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
3012001	No
3012003	Yes, At Arrival at the ED
3012005	Yes, Prior to Arrival at the ED
3012007	Yes, Sustained for 20 consecutive minutes

Business Rule(s)

Rule 1:	Any Return of Spontaneous Circulation (eArrest.12) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Defibrillation".
Rule 2:	Any Return of Spontaneous Circulation (eArrest.12) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Ventilation".
Rule 3:	Any Return of Spontaneous Circulation (eArrest.12) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Initiated Chest Compressions".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

This element needs to be documented when the patient has been in cardiac arrest and transported to a healthcare facility to show the change in patient condition, if any.

Any ROSC is defined as any brief (approximately >30 seconds) restoration of spontaneous circulation that provides evidence of more than an occasional gasp, occasional fleeting palpable pulse, or arterial waveform.

eArrest.14 – Date/Time of Cardiac Arrest

Arkansas National

Definition

The date/time of the cardiac arrest (if not known, please estimate).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Date/Time of Cardiac Arrest (eArrest.14) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	Date/Time of Cardiac Arrest (eArrest.14) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

Changed from estimated time prior to EMS arrival to date/time of cardiac arrest.

eArrest.15 – Date/Time Resuscitation Discontinued

Arkansas

Definition

The date/ time resuscitation was discontinued.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 :1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Defibrillation".
Rule 2:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Ventilation".
Rule 3:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Initiated Chest Compressions".
Rule 4:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Recorded" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Defibrillation".
Rule 5:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Recorded" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Ventilation".
Rule 6:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Recorded" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Initiated Chest Compressions".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

eArrest.16 – Reason CPR/Resuscitation Discontinued

Arkansas National

Definition

The reason that CPR or the resuscitation efforts were discontinued.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_10	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3016001	DNR
3016003	Medical Control Order
3016005	Obvious Signs of Death
3016007	Physically Unable to Perform
3016009	Protocol/Policy Requirements Completed
3016011	Return of Spontaneous Circulation (Pulse or BP noted)

Business Rule(s)

Rule 1:	Reason CPR/Resuscitation Discontinued (eArrest.16) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Defibrillation".
Rule 2:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Ventilation".
Rule 3:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Applicable" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Initiated Chest Compressions".
Rule 4:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Recorded" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Defibrillation".
Rule 5:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Recorded" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Attempted Ventilation".
Rule 6:	Date/Time Resuscitation Discontinued (eArrest.15) cannot equal "Not Recorded" when Resuscitation Attempted by EMS (eArrest.03) has a value of "Initiated Chest Compressions".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Added Resuscitation to Title to allow for better documentation of disposition.

eArrest.17 – Cardiac Rhythm on Arrival at Destination

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E11_11	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

See Next Page for Code List

Business Rule(s)

Rule 1:	Cardiac Rhythm on Arrival at Destination (eArrest.17) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	Cardiac Rhythm on Arrival at Destination (eArrest.17) cannot equal "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

This element needs to be documented when the patient has been in cardiac or respiratory arrest and transported to a healthcare facility to show the change in patient condition, if any. The cardiac rhythm list has been updated to be the same for eVitals.03 (Cardiac Rhythm Electrocardiography (ECG)). They are using the common type: Cardiac Rhythm. ST segment changes consistent (or not consistent) with STEMI criteria should be documented as Ischemia in the appropriate location.

eArrest.17 – Cardiac Rhythm on Arrival at Destination Code List

Code	Description	Code	Description
9901001	Agonal/ Idioventricular	9901037	Premature Atrial Contractions
9901003	Asystole	9901039	Premature Ventricular Contractions
9901005	Artifact	9901041	Right Bundle Branch Block
9901007	Atrial Fibrillation	9901043	Sinus Arrhythmia
9901009	Atrial Flutter	9901045	Sinus Bradycardia
9901011	AV Block- 1st Degree	9901047	Sinus Rhythm
9901013	AV Block-2nd Degree – Type 1	9901049	Sinus Tachycardia
9901015	AV Block- 2nd Degree – Type 2	9901051	STEMI Anterior Ischemia
9901017	AV Block- 3rd Degree – Type 3	9901053	STEMI Interior Ischemia
9901019	Junctional	9901055	STEMI Lateral Ischemia
9901021	Left Bundle Branch Block	9901057	STEMI Posterior Ischemia
9901023	Non-STEMI Anterior Ischemia	9901059	Supraventricular Tachycardia
9901025	Non-STEMI Inferior Ischemia	9901061	Torsades De Points
9901027	Non-STEMI Lateral Ischemia	9901063	Unknown AED Non-Shockable Rhythm
9901029	Non-STEMI Posterior Ischemia	9901065	Unknown AED Shockable Rhythm
9901031	Other (not Listed)	9901067	Ventricular Fibrillation
9901033	Paced Rhythm	9901069	Ventricular Tachycardia (with Pulse)
9901035	PEA	9901071	Ventricular Tachycardia (Pulseless)

eArrest.18 – End of EMS Cardiac Arrest Event

Arkansas National

Definition

The patient's outcome at the end of the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
3018001	Expired in Emergency Department
3018003	Expired in the Field
3018005	Ongoing Resuscitation in Emergency Department
3018007	ROSC in the Field
3018009	ROSC in the ED
3018011	Ongoing Resuscitation by Other EMS

Business Rule(s)

Rule 1:	End of EMS Cardiac Arrest Event (eArrest.18) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, Prior to EMS Arrival".
Rule 2:	End of EMS Cardiac Arrest Event (eArrest.18) cannot be "Not Applicable" when Cardiac Arrest (eArrest.01) has a value of "Yes, After EMS Arrival".

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Added to better identify the outcome of EMS cardiac arrest patients.

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports". http://circ.ahajournals.org/cgi/content/full/110/21/3385

Invasive Airway

eAirway.01 – Indications for Invasive Airway

Arkansas

Definition

The clinical indication for performing invasive airway management.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
4001001	Adequate Airway Reflexes/Effort, Potential for Compromise
4001003	Airway Reflex Compromised
4001005	Apnea or Agonal Respirations
4001007	Illness Involving Airway
4001009	Injury Involving Airway
4001011	Other (Not Listed)
4001013	Ventilatory Effort Compromised

Business Rule(s)

Rule 1:	Indications for Invasive Airway (eAirway.01) cannot equal "Not Applicable" when Airway Complications Encountered (eAirway.08) has a value other than a NOT VALUE.
Rule 2:	Indications for Invasive Airway (eAirway.01) cannot be left blank when Airway Complications Encountered (eAirway.08) has a value other than a NOT VALUE.
Rule 3:	Indications for Invasive Airway (eAirway.01) cannot equal "Not Applicable" when Suspected Reasons for Failed Airway Procedures (eAirway.09) has a value.
Rule 4:	Indications for Invasive Airway (eAirway.01) cannot be left blank when Suspected Reasons for Failed Airway Procedures (eAirway.09) has a value.

Performance Measure(s)

Airway

Data Element Comment

Added to better document airway management.

eAirway.02 – Date/Time Airway Device Placement Confirmation

Arkansas

Definition

The date/time of the cardiac arrest (if not known, please estimate).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Airway Device Placement Confirmation Date/Time (eAirway.02) cannot equal "Not Applicable" when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.
Rule 2:	Airway Device Placement Confirmation Date/Time (eAirway.02) cannot equal "Not Recorded" when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.
Rule 3:	Airway Device Placement Confirmation Date/Time (eAirway.02) cannot equal "Not Reporting" when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.
Rule 4:	Airway Device Placement Confirmation Date/Time (eAirway.02) cannot be left blank when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.

Performance Measure(s)

Cardiac Arrest

Data Element Comment

Added to better document airway management.

eAirway.03 – Airway Device Being Confirmed

Arkansas

Definition

The airway device in which placement is being confirmed.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
4003001	Cricothyrotomy Tube
4003003	Endotracheal Tube
4003005	Other – Invasive Airway
4003007	Supraglottic Airway Device - Combitube
4003009	Supraglottic Airway Device – King
4003011	Supraglottic Airway Device – LMA
4003013	Supraglottic Airway Device – Other
4003015	Tracheostomy Tube

Business Rule(s)

Rule 1:	Airway Device Being Confirmed (eAirway.03) cannot equal "Not Applicable" when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 2:	Airway Device Being Confirmed (eAirway.03) cannot equal "Not Recorded" when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 3:	Airway Device Being Confirmed (eAirway.03) cannot equal "Not Reporting" when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 4:	Airway Device Being Confirmed (eAirway.03) cannot be left blank when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.

Performance Measure(s)

Airway

Data Element Comment

Added to better document airway management. SAD means Supraglottic Airway Device.

eAirway.04 – Airway Device Placement Confirmed Method

Arkansas

Definition

The method used to confirm the airway device placement.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Code List

Code	Description
4004001	Auscultation
4004003	Bulb/Syringe Aspiration
4004005	Colorimetric ETCO2
4004007	Condensation in Tube
4004009	Digital (Numeric) ETCO2
4004011	Direct Re-Visualization of Tube in Place
4004013	Endotracheal Tube Whistle (BAAM, etc.)
4004015	Other (Not Listed)
4004017	Visualization of Vocal Cords
4004019	Waveform ETCO2

Business Rule(s)

See Next Page for Business Rules

Performance Measure(s)

Airway

Data Element Comment

If the invasive airway is confirmed via multiple methods each method should be documented individually by time, method, and type of individual.

Added to better document airway management.

eAirway.04 – Airway Device Placement Confirmed Method Business Rule(s)

Rule 1:	Airway Device Placement Confirmed Method (eAirway.04) cannot equal "Not Applicable" when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 2:	Airway Device Placement Confirmed Method (eAirway.04) cannot equal "Not Recorded" when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 3:	Airway Device Placement Confirmed Method (eAirway.04) cannot equal "Not Reporting" when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 4:	Airway Device Placement Confirmed Method (eAirway.04) cannot be left blank when Airway Device Placement Confirmation Date/Time (eAirway.02) has a date/time value.
Rule 5:	Airway Device Placement Confirmed Method (eAirway.04) cannot equal "Not Applicable" when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.
Rule 6:	Airway Device Placement Confirmed Method (eAirway.04) cannot equal "Not Recorded" when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.
Rule 7:	Airway Device Placement Confirmed Method (eAirway.04) cannot equal "Not Reporting" when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.
Rule 8:	Airway Device Placement Confirmed Method (eAirway.04) cannot be left blank when Airway Device Being Confirmed (eAirway.03) has a value other than a NOT VALUE.

eAirway.08 – Airway Complications Encountered

Arkansas

Definition

The airway management complications encountered during the patient care episode.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
4008001	Adverse Event from Facilitating Drugs
4008003	Bradycardia (< 50)
4008005	Cardiac Arrest
4008007	Esophageal Intubation – Delayed Detection (after Tube Secured)
4008009	Esophageal Intubation – Detected in Emergency Department
4008011	Failed Intubation Effort
4008013	Injury or Trauma to Patient from Airway Management Effort
4008015	Other (Not Listed)
4008017	Oxygen Desaturation (< 90)
4008019	Patient Vomiting/Aspiration
4008021	Tube Dislodged During Transport/ Patient Care
4008023	Tube was Not in Correct Position when EMS Crew/ Team Assumed Care of the Patient

Performance Measure(s)

Airway

Data Element Comment

Added to better document airway management.

eAirway.09 – Suspected Reason for Failed Airway Management

Arkansas

Definition

The reason(s) the airway was unable to be successfully managed.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : M

Attributes

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
4009001	Difficult Patient Airway Anatomy
4009003	ETI Attempted, but Arrived at Destination Facility before Accomplished
4009005	Facial or Oral Trauma
4009007	Inability to Expose Vocal Cords
4009009	Inadequate Patient Relaxation/ Presence of Protective Airway Reflexes
4009011	Jaw Clenched (Trismus)
4009013	Other (Not Listed)
4009015	Poor Patient Access
4009017	Secretions/ Blood/ Vomit
4009019	Unable to Position or Access Patient

Performance Measure(s)

Airway

Data Element Comment

Added to better document airway management.

Transport

eDisposition.01 – Destination/ Transferred To, Name

Arkansas

Definition

The destination the patient was delivered or transferred to.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E20_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	100

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Recommended State data element since no national code for destination. May be populated from the list in dFacility.02 (Facility Name).

eDisposition.02 – Destination/ Transferred To, Code

Arkansas

Definition

The code of the destination the patient was delivered or transferred to.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E20_02	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	2	50

Business Rule(s)

See next page for Business Rule(s)

Performance Measure(s)

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility.

eDisposition.02 – Destination/ Transferred To, Code Business Rule(s) part 1

Rule 1:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 2:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 3:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Reporting" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 4:	Destination/Transferred to Code (eDisposition.02) cannot be left blank when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 5:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 6:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 7:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Reporting" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 8:	Destination/Transferred to Code (eDisposition.02) cannot be left blank when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 9:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Refused Evaluation/Care (With Transport)".
Rule 10:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Refused Evaluation/Care (With Transport)".
Rule 11:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Reporting" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Refused Evaluation/Care (With Transport)".

eDisposition.02 – Destination/ Transferred To, Code Business Rule(s) part 2

Rule 12:	Destination/Transferred to Code (eDisposition.02) cannot be left blank when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Refused Evaluation/Care (With Transport)".
Rule 13:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 14:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 15:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Reporting" when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 16:	Destination/Transferred to Code (eDisposition.02) cannot be left blank when Incident Patient/Disposition (eDisposition.12) has a value of "Patient Treated, Transported by EMS".
Rule 17:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) has a value of "Transport of Body Parts or Organs Only".
Rule 18:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) has a value of "Transport of Body Parts or Organs Only".
Rule 19:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Reporting" when Incident Patient/Disposition (eDisposition.12) has a value of "Transport of Body Parts or Organs Only".
Rule 20:	Destination/Transferred to Code (eDisposition.02) cannot be left blank when Incident Patient/Disposition (eDisposition.12) has a value of "Transport of Body Parts or Organs Only".
Rule 21:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Applicable"" when Patient Arrived at Destination (eTimes.11) has a date/time value.
Rule 22:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Recorded" when Patient Arrived at Destination (eTimes.11) has a date/time value."
Rule 23:	Destination/Transferred to Code (eDisposition.02) cannot equal "Not Reporting" when Patient Arrived at Destination (eTimes.11) has a date/time value.
Rule 24:	Destination/Transferred to Code (eDisposition.02) cannot be left blank when Patient Arrived at Destination (eTimes.11) has a date/time value.

eDisposition.03 – Destination Street Address

Arkansas

Definition

The street address of the destination the patient was delivered or transferred to.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E20_03	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Attributes

StreetAddress2

Data Type	minLength	maxLength
String	1	256

Constraints

Data Type	minLength	maxLength
String	1	256

Business Rule(s)

Rule 1:	Destination Street Address (eDisposition.03) cannot be left blank when Destinations Transferred To Code (eDisposition.02) is not a valid code from the supplied list and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 2:	Destination Street Address (eDisposition.03) cannot be left blank when Destinations Transferred To Code (eDisposition.02) equals "VA or Military Hospital" and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".

Data Element Comment

May be auto-populated if list created in dFacility.07 (Facility Street Address).

eDisposition.04 – Destination City

Arkansas

Definition

The city of the destination the patient was delivered or transferred to (physical address).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E20_04	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Business Rule(s)

Rule 1:	Destination City (eDisposition.04) cannot be left blank when Destinations Transferred To Code (eDisposition.02) is not a valid code from the supplied list and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 2:	Destination City (eDisposition.04) cannot be left blank when Destinations Transferred To Code (eDisposition.02) equals "VA or Military Hospital" and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eDisposition.05 – Destination State

Arkansas National

Definition

The state of the destination the patient was delivered or transferred to

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E20_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

Not Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	totalDigits
Integer	2

Business Rule(s)

Rule 1:	Destination State (eDisposition.05) cannot equal "Not Applicable" when Destinations Transferred To Code (eDisposition.02) is not a valid code from the supplied list and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 2:	Destination State (eDisposition.05) cannot equal "Not Applicable" when Destinations Transferred To Code (eDisposition.02) equals "VA or Military Hospital" and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Based on the ANSI Code. May be auto-populated if list created in dFacility.09 (Facility State).

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eDisposition.06 – Destination County

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E20_06	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

Not Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	length
String	5

Business Rule(s)

Rule 1:	Destination County (eDisposition.06) cannot equal "Not Applicable" when Destinations Transferred To Code (eDisposition.02) is not a valid code from the supplied list and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 2:	Destination County (eDisposition.06) cannot equal "Not Applicable" when Destinations Transferred To Code (eDisposition.02) equals "VA or Military Hospital" and Incident/Patient Disposition (eDisposition.12) equals ""Patient Treated, Transported by EMS".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

May be auto-populated if list created in dFacility.11 (Facility County). Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eDisposition.07 – Destination Zip Codes

Arkansas | National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E20_07	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Constraints

Pattern

[0-9]{5}|[0-9]{5}-[0-9]{4}|[0-9]{5}-[0-9]{5}|[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Business Rule(s)

Rule 1:	Destination ZIP Code (eDisposition.07) cannot equal "Not Applicable" when Destinations Transferred To Code (eDisposition.02) is not a valid code from the supplied list and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 2:	Destination ZIP Code (eDisposition.07) cannot be "Not Applicable" when Destinations Transferred To Code (eDisposition.02) is VA or Military Hospital and Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

May be auto-populated if list created in dFacility.10 (Facility ZIP Code).

ZIP Codes Product Website:
https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/
Product: USA - 5-digit ZIP Code Database, Commercial Edition

eDisposition.11 – Number of Patients Transported in this EMS Unit

Arkansas

Definition

The number of patients transported by this EMS crew and unit.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable	7701003 – Not Recorded	7701005 – Not Reporting

Constraints

Data Type	minLength	maxLength
String	1	100

Business Rule(s)

Rule 1:	Number of Patients Transported in this EMS Unit (eDisposition.11) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 2:	Number of Patients Transported in this EMS Unit (eDisposition.11) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 3:	Number of Patients Transported in this EMS Unit (eDisposition.11) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Refused Evaluation/Care (With Transport)".
Rule 4:	Number of Patients Transported in this EMS Unit (eDisposition.11) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".

Data Element Comment

Added to document multiple patients being transported with the same vehicle and crew.

eDisposition.16 – EMS Transport Method

Arkansas National

Definition

Transport method by this EMS Unit.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
4216001	Air Medical – Fixed Wing
4216003	Air Medical – Rotor Craft
4216005	Ground – Ambulance
4216007	Ground – ATV or Rescue Vehicle
4216009	Ground – Bariatric
4216011	Ground – Other (Not Listed)
4216013	Ground – Mass Casualty Bus/ Vehicle
4216015	Ground – Wheelchair Van
4216017	Water – Boat

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Added to better describe Air and Ground Transport methods.

Required if the patient is transported by EMS.

eDisposition.17 – Transport Mode from Scene

Arkansas National

Definition

Indication whether the transport was emergent or non-emergent.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E20_14	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
4217001	Emergent (immediate Response)
4217003	Emergent Downgraded to Non-Emergency
4217005	Non-Emergent
4217007	Non-Emergent Upgraded to Emergent

Business Rule(s)

See next page for Business Rule(s)

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

eDisposition.17 – Transport Mode from Scene Business Rule(s)

Rule 1:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 2:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 3:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Refused Evaluation/Care (With Transport)".
Rule 4:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 5:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 6:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 7:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Refused Evaluation/Care (With Transport)".
Rule 8:	Transport Mode from Scene (eDisposition.17) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 9:	Transport Mode Descriptors (eDisposition.17) cannot equal "Not Applicable" when Additional Transport Mode Descriptors (eDisposition.18) has a value other than NOT VALUE.
Rule 10:	Transport Mode Descriptors (eDisposition.17) cannot equal "Not Recorded" when Additional Transport Mode Descriptors (eDisposition.18) has a value other than NOT VALUE.

eDisposition.17 – Additional Transport Mode Descriptors

Arkansas National

Definition

The documentation of transport mode techniques for this EMS response.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
4218001	Intersection Navigation – Against Normal Light Patterns
4218003	Intersection Navigation – With Automated Light Changing Technology
4218005	Intersection Navigation – With Normal Light Patterns
4218007	Speed – Enhanced per Local Policy
4218009	Speed – Normal Traffic
4218011	Lights and Sirens
4218013	Lights and No Sirens
4218015	No Lights or Sirens
4218017	Initial No Lights or Sirens, Upgrade to Lights and Sirens
4218019	Initial Lights and Sirens, Downgraded to No Lights or Sirens

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Descriptors have been added to better describe the EMS Response. This includes information on whether the EMS event was schedule or unscheduled.

eTimes.10 – Arrival at Designation Landing Area Date/Time

Arkansas

Definition

The date/time the Air Medical vehicle arrived at the destination landing area.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Arrival at Destination Landing Area Date/Time (eTimes.10) must be less than or equal to Patient Arrived at Destination Date/Time (eTimes.11).
Rule 2:	Arrival at Destination Landing Area Date/Time (eTimes.10) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).

Data Element Comment

eTimes.11 – Patient Arrived at Destination Date/Time

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E05_10	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Patient Arrived at Destination Date/Time (eTimes.11) cannot equal "Not Applicable" when Destination Patient Transfer of Care Date/Time (eTimes.12) has a date/time value.
Rule 2:	Patient Arrived at Destination Date/Time (eTimes.11) must be less than or equal to than Destination Patient Transfer of Care Date/Time (eTimes.12).
Rule 3:	Patient Arrived at Destination Date/Time (eTimes.11) cannot equal "Not Recorded" when Destination Patient Transfer of Care Date/Time (eTimes.12) has a date/time value.
Rule 4:	Patient Arrived at Destination (eTimes.11) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eDisposition.20 – Reason for Choosing Destination

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E20_16	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description
4220001	Closet Facility
4220003	Diversion
4220005	Family Choice
4220007	Insurance Status/ Requirement
4220009	Law Enforcement Choice
4220011	On-Line/On-Scene Medical Direction
4220013	Other (Not Listed)
4220015	Patient's Choice
4220017	Patient's Physician's Choice
4220019	Protocol
4220021	Regional Specialty Center

Business Rule(s)

See Next Page for Business Rule(s)

Performance Measure(s)

Cardiac Arrest Pediatric STEMI Stroke Trauma

Data Element Comment

Required if Patient Transported

eDisposition.20 – Reason for Choosing Destination Business Rule(s)

Rule 1:	Reason for Choosing Destination (eDisposition.20) cannot equal “Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 2:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 3:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Refused Evaluation/Care (With Transport)".
Rule 4:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Applicable" when Incident Patient/Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 5:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-No Resuscitation Attempted (With Transport)".
Rule 6:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Dead at Scene-Resuscitation Attempted (With Transport)".
Rule 7:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Refused Evaluation/Care (With Transport)".
Rule 8:	Reason for Choosing Destination (eDisposition.20) cannot equal "Not Recorded" when Incident Patient/Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".

eDisposition.21 – Type of Destination

Arkansas National

Definition

The type of destination the patient was delivered or transferred to.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E20_17	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
4221001	Home
4221003	Hospital – Emergency Department
4221005	Hospital – Non-Emergency Department Bed
4221007	Medical Office/ Clinic
4221009	Morgue/ Mortuary
4221011	Nursing Home/ Assisted Living Facility
4221013	Other (Not Listed)
4221015	Other EMS Responder (Air)
4221017	Other EMS Responder (Ground)
4221019	Police/Jail
4221021	Urgent Care
4221023	Freestanding Emergency Department

Business Rule(s)

Rule 1:	Cannot equal "Not Recorded" when Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS".
Rule 2:	Cannot equal "Not Applicable" when Incident/Patient Disposition (eDisposition.12) equals "Patient Treated, Transported by EMS."

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

To be documented when eDisposition.12 (Incident/Patient Disposition) is "Patient Treated, Transported by this EMS Unit".

eDisposition.19 – Final Patient Acuity

Arkansas National

Definition

The acuity of the patient's condition after EMS care.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E20_15	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 Not Applicable 7701003 Not Recorded

Code List

Code	Description
4219001	Critical (Red)
4219003	Emergent (Yellow)
4219005	Lower Acuity (Green)
4219007	Dead without Resuscitation Efforts (Black)

Performance Measure(s)

Airway Cardiac Arrest Pediatric Trauma

Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf

eDisposition.22 – Hospital In-Patient Destination

Arkansas National

Definition

The location within the hospital that the patient was taken directly by EMS (e.g. Cath Lab, ICU, etc.)

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
4222001	Hospital - Burn
4222003	Hospital – Cath Lab
4222005	Hospital – CCU
4222007	Hospital – Endoscopy
4222009	Hospital – Hospice
4222011	Hospital – Hyperbaric Oxygen Treatment
4222013	Hospital – ICU
4222015	Hospital – Labor & Delivery
4222017	Hospital – Med/Surg
4222019	Hospital – Mental Health
4222021	Hospital – MICU
4222023	Hospital – NICU
4222025	Hospital – Nursery
4222027	Hospital – Peds (General)
4222029	Hospital – Peds ICU
4222031	Hospital – OR
4222033	Hospital – Orthopedic
4222035	Hospital – Other
4222037	Hospital – Out-Patient Bed
4222039	Hospital – Radiology Services - MRI
4222041	Hospital – Radiology Services – CT/PET
4222043	Hospital – Radiology Services – X-Ray
4222045	Hospital – Radiology Services – Radiation
4222047	Hospital – Rehab
4222049	Hospital - SICU
4222051	Hospital – Oncology
4222053	Hospital – Outpatient Surgery

Data Element Comment

To be documented when in eDisposition.21 "Hospital-Non-Emergency Department Bed" is selected. Added to identify the location within the hospital that the patient was directly taken to by EMS.

eDisposition.23 – Hospital Capability

Arkansas National

Definition

The primary hospital capability associated with the patient's condition for this transport (e.g. Trauma, STEMI, Peds, etc.).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric Center
9908017	Stroke Center
9908019	Rehab Center
9908021	Trauma Center Level 1
9908023	Trauma Center Level 2
9908025	Trauma Center Level 3
9908027	Trauma Center Level 4
9908029	Trauma Center Level 5
9908031	Cardiac – STEMI/PCI Capable
9908033	Cardiac – STEMI/PCI Capable (24/7)
9908035	Cardiac – STEMI/Non-PCI Capable

Data Element Comment

To be documented when in eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.

Added to aid in determining if patients are transported to the appropriate hospital based on provider impression, assessment, and treatment.

eResponse.21 – Patient Destination Odometer Reading of Responding Vehicle

Arkansas

Definition

The mileage (counter or odometer reading) of the vehicle when it arrives at the patient's destination. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method)

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E02_18	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	fractionDigits	totalDigits
Decimal	2	8

Business Rule(s)

Rule 1:	Role/Type of Person Performing the Procedure (eProcedure.10) cannot equal "Not Applicable" when Procedure (eProcedures.03) has a valid SNOMED CT Code and no Pertinent Negatives.
Rule 2:	Role/Type of Person Performing the Procedure (eProcedures.10) cannot equal "Not Recorded".
Rule 3:	Patient Destination Odometer Reading of Responding Vehicle (eResponse.21) must be greater or equal to On-Scene Odometer Reading of Responding Vehicle (eResponse.20).
Rule 4:	Patient Destination Odometer Reading of Responding Vehicle (eResponse.21) must be less than or equal to Ending Odometer Reading of Responding Vehicle (eResponse.22).

Data Element Comment

If using a counter, this is the mileage traveled from dispatch to the patient's transport destination starting from 0.

eResponse.11 – Type of Transport Delay

Arkansas National

Definition

The transport delays, if any, of the EMS unit associated with the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_09	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
2210001	Awaiting Air Unit	2210021	Patient Access
2210003	Awaiting Ground Unit	2210023	Safety – Crew/ Staging
2210005	Crowd	2210025	Safety – Patient
2210007	Directions/ Unable to Locate	2210027	Staff Delay
2210009	Distance	2210029	Traffic
2210011	Extrication	2210031	Triage/ Multiple Patients
2210013	Hazmat	2210033	Staff Delay
2210015	Language Barrier	2210035	Vehicle Crashing Involving this Unit
2210017	None/ Delay **[Default]**	2210037	Weather
2210019	Other (Not Listed)	2210039	Mechanical Issue - Unit, Equipment, etc.

Business Rule(s)

Rule 1: When Type of Transport Delay (eResponse.11) has a value of "None/No Delay", then no other delay can be selected.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc.

A transport delay is any time delay that occurs from the time the unit left the scene (eTimes.09) to the time the patient arrived at the destination (eTimes.10).

eTimes.12 –Destination Patient Transfer of Care Date/Time

Arkansas National

Definition

The date/time that patient care was transferred to the destination healthcare facilities staff.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element		Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Business Rule(s)

Rule 1:	Destination Patient Transfer of Care Date/Time (eTimes.12) cannot equal "Not Applicable" when Patient Arrived at Destination Date/Time (eTimes.11) has a date/time value.
Rule 2:	Destination Patient Transfer of Care Date/Time (eTimes.12) must be less than or equal to Unit Back in Service Date/Time (eTimes.13).
Rule 3:	Destination Patient Transfer of Care Date/Time (eTimes.12) cannot equal "Not Recorded" when Patient Arrived at Destination Date/Time (eTimes.11) has a date/time value.

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

This was added to better document delays in ED transfer of care due to ED crowding or other issues beyond EMS control.

Finalize

eDisposition.12 – Incident/Patient Disposition

Arkansas | National

Definition

Type of disposition treatment and/or transport of the patient by this EMS Unit.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E20_10	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1 : 1

Code List

Code	Description
4212001	Assist, Agency
4212003	Assist, Public
4212005	Assist, Unit
4212007	Canceled (Prior to Arrival at Scene)
4212009	Canceled on Scene (No Patient Contact)
4212011	Canceled on Scene (no Patient Found)
4212013	Patient Dead at Scene – No Resuscitation Attempted (With Transport)
4212015	Patient Dead at Scene – No Resuscitation Attempted (Without Transport)
4212017	Patient Dead at Scene – Resuscitation Attempted (With Transport)
4212019	Patient Dead at Scene – Resuscitation Attempted (Without Transport)
4212021	Patient Evaluated, No Treatment/Transport Required
4212023	Patient Refused Evaluation/ Care (With Transport)
4212025	Patient Refused Evaluation/ Care (Without Transport)
4212027	Patient Treated, Released (AMA)
4212029	Patient Treated, Released (per protocol)
4212031	Patient Treated, Transferred Care to Another EMS Unit
4212033	Patient Treated, Transported by this EMS Unit
4212035	Patient Treated, Transported by Law Enforcement
4212037	Patient Treated, Transported by Private Vehicle
4212039	Standby – No Services or Support Provided
4212041	Standby – Public Safety, Fire, or EMS Operational Support Provided
4212043	Transport Non-Patient, Organs, etc./

Business Rule(s)

Pending

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

eResponse.22 – Ending Odometer Reading of Responding Vehicle

Arkansas

Definition

If using a counter, this is the mileage traveled beginning with dispatch through the transport of the patient to their destination and ending when back in service, starting from 0. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of boat, Fixed Wing, or Rotor Craft in eDisposition.16

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element	E02_19	Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0:1

Constraints

Data Type	fractionDigits	totalDigits
Decimal	2	8

Business Rule(s)

Rule 1:	Ending Odometer Reading of Responding Vehicle (eResponse.22) must be greater than or equal to Beginning Odometer Reading of Responding Vehicle (eResponse.19).
Rule 2:	Must be submitted when Beginning Odometer Reading of Responding Vehicle (eResponse.19) is entered.

Data Element Comment

eTimes.13 – Unit Back in Date/Time

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	No
Version 2 Element	E05_11	Is Nillable	No
NEMSIS Usage	Mandatory	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Constraints

Data Type	minInclusive	maxLength
dateTime	1950-01-01-T00:00:00-00:00	2050-01-01-T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Performance Measure(s)

Response

Data Element Comment

eResponse.12 – Type of Turn-Around Delay

Arkansas | National

Definition

The turn-around delays, if any, of EMS unit associated with the EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E02_10	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: M

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

CorrelationID

Data Type	minLength	maxLength
String	0	255

Code List

Code	Description	Code	Description
2212001	Clean – up	2212019	Rendezvous Transport Unavailable
2212003	Decontamination	2212021	Route Obstruction
2212005	Distance	2212023	Staff Delay
2212007	Documentation	2212025	Traffic
2212009	ED Overcrowding/ Transfer of Care	2212027	Vehicle Crash of this Unit
2212011	Equipment Failure	2212029	Vehicle Failure of this Unit
2212013	Equipment/ Supply Replenishment	2212031	Weather
2212015	None/ No Delay **[Default]**	2212033	EMS Crew Accompanies Patient for Facility Procedure.
2212017	Other (Not Listed)	2212019	Rendezvous Transport Unavailable

Business Rule(s)

Rule 1: Type of Turn-Around Delay (eResponse.12) cannot equal “Not Applicable”

Rule 2: When a None/ No Delay is selected, then no other delay can be selected.

Performance Measure(s)

Response

Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc. to return to service.

If a patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the patient arrived at the destination (eTimes.11) until the time the unit is back in service (eTimes.13) or unit back at the home location (eTimes.15) [whichever is the greater of the two times].

If no patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the unit arrived on scene (eTimes.06) until the unit is back in service (eTimes.13) or the unit back at the home location (eTimes.15) [whichever is the greater of the two times].

eNarrative.01 – Patient Care Report Narrative

Arkansas

Definition

The narrative of the patient care report (PCR).

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	Yes
Version 2 Element	E13_01	Is Nillable	Yes
NEMSIS Usage	Recommended	Recurrence	0 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded 7701005 – Not Reporting

Constraints

CorrelationID

Data Type	minLength	maxLength
String	0	10,000

Data Element Comment

eOther.04 – EMS Professional (Crew Member) ID

Arkansas

Definition

The ID number of the EMS Crew Member associated with eOther.03, eOther.05, eOther.06.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	No	Not Values	No
Version 2 Element		Is Nillable	No
NEMSIS Usage	Optional	Recurrence	0 : 1

Constraints

Data Type	minLength	maxLength
String	2	50

Data Element Comment

Added to allow documentation of PPE and work related health and safety down to the individual level within each EMS crew.
Added to better document EMS workplace health and safety issues.

eOther.05 – Suspected EMS Work Related Exposure, Injury, or Death

Arkansas | National

Definition

Indication of an EMS work related exposure, injury, or death associated with this EMS event.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E23_05	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated with eOther.04 (EMS Professional (Crew Member) ID).

eOutcome.01 – Emergency Department Disposition

Arkansas National

Definition

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

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E22_01	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

See Next Page for Code List

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6).

https://www.cms.gov/transmittals/downloads/R1104CP.pdf Page 35-36

Codes are available from Medicare contractors and the National Uniform Billing Company (NUBC_ (www.nubc.org) via the NUBC's Official UB-04 Data Specifications Manual

Contractor site, Knowledge Trek: http://www.ub04.net/downloads/Medicare_Pub_Ch_25.pdf Please reference the section "FL 17 - Patient Status" found on page 23-25 of 126.

eOutcome.01 – Emergency Department Disposition Code List

Code List	
Code	**Description**
01	Discharged to home or self-care (routine discharge)
02	Discharged/ transferred to another short term general hospital for inpatient care
03	Discharged/ transferred to a skilled nursing facility (SNF)
04	Discharged/ transferred to an intermediate care facility (ICF)
05	Discharged/ transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
09	Admitted as an inpatient to this hospital
20	Deceased/Expired (or did not recover – Religious Non-Medical Health Care Patient)
21	Discharged/ transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services
43	Discharged/transferred to a Federal Health Care Facility (e.g. VA or federal health care facility)
50	Discharged/transferred to Hospice – Home
51	Discharged/transferred to Hospice – Medical Facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed
62	Discharged/transferred to an inpatient rehabilitation facility including distinct part units of a hospital
63	Discharged/transferred to long term care hospital
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital
66	Discharged/ transferred to a Critical Access Hospital (CAH)
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

eOutcome.02 – Hospital Disposition

Arkansas | National

Definition

The known disposition of the patient from the hospital, if admitted.

Arkansas Usage	Yes	Pertinent Negatives	No
National Usage	Yes	Not Values	Yes
Version 2 Element	E22_02	Is Nillable	Yes
NEMSIS Usage	Required	Recurrence	1: 1

Attributes

NOT Values (NV)

7701001 – Not Applicable 7701003 – Not Recorded

Code List

See Next Page for Code List

Performance Measure(s)

Airway Cardiac Arrest Pediatric Response STEMI Stroke Trauma

Data Element Comment

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6).

https://www.cms.gov/transmittals/downloads/R1104CP.pdf Page 35-36

Codes are available from Medicare contractors and the National Uniform Billing Company (NUBC_ (www.nubc.org) via the NUBC's Official UB-04 Data Specifications Manual

Contractor site, Knowledge Trek: http://www.ub04.net/downloads/Medicare_Pub_Ch_25.pdf Please reference the section "FL 17 - Patient Status" found on page 23-25 of 126.

eOutcome.02 – Hospital Disposition Code List

Code List	
Code	**Description**
01	Discharged to home or self-care (routine discharge)
02	Discharged/ transferred to another short term general hospital for inpatient care
03	Discharged/ transferred to a skilled nursing facility (SNF)
04	Discharged/ transferred to an intermediate care facility (ICF)
05	Discharged/ transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
09	Admitted as an inpatient to this hospital
20	Deceased/Expired (or did not recover – Religious Non-Medical Health Care Patient)
21	Discharged/ transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services
43	Discharged/transferred to a Federal Health Care Facility (e.g. VA or federal health care facility)
50	Discharged/transferred to Hospice – Home
51	Discharged/transferred to Hospice – Medical Facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed
62	Discharged/transferred to an inpatient rehabilitation facility including distinct part units of a hospital
63	Discharged/transferred to long term care hospital
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital
66	Discharged/ transferred to a Critical Access Hospital (CAH)
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

eTimes Format

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	A four-digit numeral that represents the year
'-'	Separators between parts of the date portion
mm	A two-digit numeral that represents the month
dd	A two-digit numeral that represents the day
T	Separator that indicates time-of-day follows
hh	A two-digit numeral that represents the hour
'.'	A separator between parts of the time-of-day portion
mm	A two-digit numeral that represents the minute
ss	A two-integer-digit numeral that represents the whole seconds
'.'s+	(Not Required) represents the fractional seconds
zzzzzz	(Required) represents the time zone (as described below)

Time zones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	A two-digit numeral (with leading zeros as required) that represent the hours
mm	A two-digit numeral that represents the minute
'+'	A nonnegative duration
'-'	A nonpositive duration

Definitions

Patient Disposition

Assist, Unit - The reporting EMS unit assisted another EMS unit at the scene.

Patient Treated, Transported by EMS - The patient was treated and transported by the reporting EMS unit.

Cancelled (Prior to Arrival at Scene) - Response is terminated by the communications center prior to the unit's arrival at the scene.

No Patient Found (Cancelled on Scene) - EMS was unable to find a patient at the scene.

No Patient Contact (Cancelled on Scene) - EMS had no patient contact on scene.

Patient Treated, Transferred Care to Another EMS Professional - The patient was treated but care was transferred to another EMS air or ground unit EMT.

Patient Treated, Transported by Law Enforcement - The patient was treated by EMS and transported by a law enforcement unit.

Patient Evaluated, No Treatment/Transport Required - The patient was not found to have a treatable illness/injury.

Patient Refused Evaluation/Care (Without Transport) - The patient refused to be cared for by EMS at the scene, even if they appeared to need care.

Patient Refused Evaluation/Care (With Transport) - The patient refused to be cared for by EMS but was transported to an appropriate healthcare facility.

Patient Treated, Released (AMA) - The patient was treated by EMS but patient refused transport Against Medical Advice (AMA) by EMT.

Patient Treated, Released (per protocol) - The patient was treated by EMS but patient was released per protocol.

Patient Dead at Scene - No Resuscitation Attempted (Without Transport) - No treatment rendered as patient was dead upon the vehicle's arrival at the scene.

Patient Dead at Scene- Resuscitation Attempted (Without Transport) - Patient was dead on arrival at scene but resuscitation was attempted.

Standby - Response was for purposes of being available in case of a medical/traumatic emergency, such as sporting events, fires, or police action and there was no patient contact or support provided.

Type of Service Requested

911 Response (Scene) - Select if the EMS Agency responded to the scene of an emergency in its own jurisdiction, whether the caller used 911 or dialed direct to the EMS Agency dispatcher using a regular phone number. **DO NOT INCLUDE TRANSFERS BETWEEN ACUTE CARE FACILITIES.**

911 Response (Inter-Facility Transport) - This is the correct value to enter if the EMS Agency transferred an ***emergent*** patient from an acute care facility such as an emergency department or urgent care center to another emergency department or urgent care center. **DO NOT INCLUDE TRANSFERS TO OR FROM NURSING HOMES, LONG-TERM CARE FACILITIES, RESIDENTIAL FACILITIES OR DOCTOR'S CLINICS.**

Inter-Facility Transport (Routine) - This is the correct value to enter if the EMS Agency transferred a ***non-emergent*** patient from an acute care facility such as an emergency department or urgent care center to another emergency department or urgent care center. **DO NOT INCLUDE TRANSFERS TO OR FROM NURSING HOMES, LONG-TERM CARE FACILITIES, RESIDENTIAL FACILITIES OR DOCTOR'S CLINICS.**

Medical Transport - Select if the EMS Agency responded to a pre-hospital, **non-emergency transport**, which includes transports from the Dr. Office, clinic, LTC, residential care center, rehab center, nursing homes, etc. and to requests for medical transport to the emergency department. **DO NOT INCLUDE TRANSFERS BETWEEN ACUTE CARE FACILITIES.**

Mutual Aid - Select if the EMS Agency responded to the scene of an emergency outside its jurisdiction at the request of another EMS Agency.

Standby - Select for purposes of being available in case of a medical/traumatic emergency, such as sporting events, fires, or police action.

Intercept – Select when one EMS Provider is requested to meet another with the intent of receiving a patient. The destination code for the originating agency should be "2-Care Transfer to Another Ambulance Service" (code 444) and the Type of Service Requested should be "Intercept" for the intercept recipient agency.

Public Assistance/Other Not Listed – added for EMS expanded scope events such as elderly assistance, injury prevention, public education, immunization programs, etc.

Incident Location Type (Selected Definitions)

Private Residence - Any home or residence (not just the patient's home) including a farmhouse. Includes the yard, driveway, garage, pool, garden, or walk of a home, apartment, or residence

Institutional (nonprivate) residence – Any residence other than private which includes mental institutions, drug rehab clinics, group homes, and half-way houses. ***Does not include Healthcare facilities.***

Farm - NOT a farmhouse: a place of agriculture, including ranches, land under cultivation and nonresidential farm buildings.

Mine or Pit - Includes sand pits, gravel pits and tunnels under construction.

Athletic Field(Outdoor) – Includes outdoor sports fields, courses, and sports stadiums. If the incident occurs on an indoor court, put "Athletic Court (Indoor)".

Athletic Court(Indoor) – Includes indoor sports courts, courses, and sports stadiums. If the incident occurs on an outdoor court, put "Athletic Field (Outdoor)".

Street, highway and other paved roadways - Any paved Public Street, road, highway, or avenue.

Unspecified street and highway (including unpaved) - Any paved or unpaved public street, road, or avenue not otherwise listed in the current list.

Other specified public building - Any publicly owned building and its grounds not otherwise specified in the current list.

Trade or Service Area - Any privately owned building used for business not otherwise stated in the current list. ***Excludes health care facilities.***

Ambulatory Health Services Establishments - This industry group comprises establishments, not classified to any other industry group, primarily engaged in providing ambulatory health care services, such as ambulance services, blood banks, blood donor stations, organ banks, blood pressure screening services, hearing testing services and physical examination services, except by health practitioners.

Lake/River - ***DOES NOT*** include swimming pools. Any other body of water, including creeks.

Wilderness area - Any state/federal wilderness or park area (example: Wichita Wildlife Refuge in Lawton, Oklahoma). ***DOES NOT INCLUDE NEIGHBORHOOD PUBLIC PARKS.***

Other Wilderness area - Any wilderness or park area that doesn't fit the definition of "Wilderness Area". ***DOES NOT INCLUDE NEIGHBORHOOD PUBLIC PARKS.***