NEMSIS v3.4.0 to v3.5.0 Translation

# Date

January 7, 2020

# Overview

The NEMSIS v3.4.0 to v3.5.0 Translation provides XSL transformations to translate NEMSIS EMSDataSet, DEMDataSet, and StateDataSet documents from version 3.4.0.160713CP2 to version 3.5.0.191130CP1.

Note: With the introduction of UUID attributes in NEMSIS v3.5.0, the XSL transformations will not generate fully valid EMSDataSet or DEMDataSet documents, because the UUIDs cannot be created at the time of translation. The XSL transformations will generate documents that are valid in all other respects. See the [NEMSIS V3 UUID Guide](https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSIS_V3_UUID_Guide.pdf) for more information.

## Elements Removed

Do not map the following elements that are retired from EMSDataSet and DEMDataSet in v3.5.0.

| Element No. | Element Name |
| --- | --- |
| eState |  |
| eState.01 | State Required Element |
| eResponse.15\* | Level of Care of This Unit |
| eArrest.05 | CPR Care Provided Prior to EMS Arrival |
| eArrest.06 | Who Provided CPR Prior to EMS Arrival |
| eArrest.08 | Who Used AED Prior to EMS Arrival |
| eDisposition.12\* | Incident/Patient Disposition |
| eOutcome.06 | Emergency Department Chief Complaint |
| eOutcome.07 | First ED Systolic Blood Pressure |
| eOutcome.08 | Emergency Department Recorded Cause of Injury |
| eOutcome.14 | Total ICU Length of Stay |
| eOutcome.15 | Total Ventilator Days |
| eOutcome.17 | Outcome at Hospital Discharge |
| dState |  |
| dState.01 | State Required Element |
| dConfiguration.02 | State Certification/Licensure Levels |
| dConfiguration.03 | Procedures Permitted by the State |
| dConfiguration.04 | Medications Permitted by the State |
| dConfiguration.05 | Protocols Permitted by the State |

\* Elements with an asterisk are used in the mapping of other elements as described later.

## Mandatory Elements Added

Add the following mandatory elements that are new in v3.5.0, with the following values:

| Element No. | Element Name | Value |
| --- | --- | --- |
| sSoftware.01 | Software Creator | NEMSIS Technical Assistance Center |
| sSoftware.02 | Software Name | NEMSIS XSL Translation |
| sSoftware.03 | Software Version | 3.4.0.160713CP2\_3.5.0.191130CP1\_191206 (dev) |

## Required Elements Added

Add the following required elements that are new in v3.5.0 and set to Not Value = “Not Recorded”.

| Element No. | Element Name |
| --- | --- |
| eSituation.20 | Reason for Interfacility Transfer/Medical Transport |
| eOutcome.18 | Date/Time of Emergency Department Admission |
| eOutcome.19 | Date/Time Emergency Department Procedure Performed |
| eOutcome.20 | Date/Time Hospital Procedure Performed |

## Element Usage Changed to Mandatory

The following optional StateDataSet elements in v3.4.0 are mandatory in v3.5.0. If they are missing, add with the following values.

| Element No. | Element Name | Value |
| --- | --- | --- |
| StateDataSet eCustomConfiguration.01 | Custom Data Element Title | {Custom Data Element Title Missing} |
| StateDataSet eCustomConfiguration.02 | Custom Data Element Definition | {Custom Data Element Definition Missing} |
| StateDataSet eCustomConfiguration.03 | Custom Data Type | 9902009 (Text/String) |
| StateDataSet eCustomConfiguration.04 | Custom Data Element Recurrence | 9923003 (Yes) |
| StateDataSet eCustomConfiguration.05 | Custom Data Element Usage | 9903007 (Optional) |
| StateDataSet dCustomConfiguration.01 | Custom Data Element Title | {Custom Data Element Title Missing} |
| StateDataSet dCustomConfiguration.02 | Custom Data Element Definition | {Custom Data Element Definition Missing} |
| StateDataSet dCustomConfiguration.03 | Custom Data Type | 9902009 (Text/String) |
| StateDataSet dCustomConfiguration.04 | Custom Data Element Recurrence | 9923003 (Yes) |
| StateDataSet dCustomConfiguration.05 | Custom Data Element Usage | 9903007 (Optional) |

## Element Usage Changed to Required

The following optional elements in v3.4.0 are required in v3.5.0. If they are missing, add with Not Value = “Not Recorded”.

| Element No. | Element Name |
| --- | --- |
| eSituation.18 | Date/Time Last Known Well |
| eMedications.04 | Medication Administered Route |
| eOutcome.09 | Emergency Department Procedures |
| eOutcome.10 | Emergency Department Diagnosis |
| eOutcome.11 | Date/Time of Hospital Admission |
| eOutcome.12 | Hospital Procedures |
| eOutcome.13 | Hospital Diagnosis |
| eOutcome.16 | Date/Time of Hospital Discharge |
| StateDataSet dState.01 | State Required Element |
| StateDataSet eState.01 | State Required Element |
| StateDataSet dConfiguration.03 | Procedures Permitted by the State |
| StateDataSet dConfiguration.04 | Medications Permitted by the State |
| StateDataSet dConfiguration.06 | EMS Certification Levels Permitted to Perform Each Procedure |
| StateDataSet dConfiguration.08 | EMS Certification Levels Permitted to Administer Each Medication |
| StateDataSet dConfiguration.05 | Protocols Permitted by the State |

## CorrelationID

If length is less than 2, prepend “\_\_” to value.

| Element No. | Element Name |
| --- | --- |
| @CorrelationID |  |
| @CustomElementID |  |
| @ProcedureGroupCorrelationID |  |
| eCustomConfiguration.09 | Custom Data Element Grouping ID |
| eCustomResults.02 | Custom Element ID Referenced |
| eCustomResults.03 | CorrelationID of PatientCareReport Element or Group |
| dCustomConfiguration.09 | Custom Data Element Grouping ID |
| dCustomResults.02 | Custom Element ID Referenced |
| dCustomResults.03 | CorrelationID of DemographicReport Element or Group |

## CustomDefinition

If length is less than 2, prepend “\_\_” to value.

| Element No. | Element Name |
| --- | --- |
| eCustomConfiguration.02 | Custom Definition |
| dCustomConfiguration.02 | Custom Definition |

## Code Mappings

Map codes that are retired in 3.5.0 are as follows.

| Element No. | Element Name | 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- | --- | --- |
| eCrew.02  dPersonnel.24  dPersonnel.38 | Crew Member Level  EMS Personnel's State EMS Certification Licensure Level  EMS Personnel's Practice Level | 9925013 | First Responder | 9925003 | Emergency Medical Responder (EMR) |
| 9925015 | EMT-Basic | 9925005 | Emergency Medical Technician (EMT) |
| 9925017 | EMT-Intermediate | 9925002 | Emergency Medical Technician - Intermediate |
| 9925019 | EMT-Paramedic | 9925007 | Paramedic |
| ePayment.42 | Specialty Care Transport Care Provider | 2642019 | First Responder | 2642011 | Emergency Medical Responder (EMR) |
| 2642021 | EMT-Basic | 2642013 | Emergency Medical Technician (EMT) |
| 2642023 | EMT-Intermediate | 2642014 | Emergency Medical Technician - Intermediate |
| 2642025 | EMT-Paramedic | 2642017 | Paramedic |
| eHistory.17 | Alcohol/Drug Use Indicators | 3330003 | Smell of Alcohol on Breath | 3330004 | Physical Exam Indicates Suspected Alcohol or Drug Use |
| eHistory.17/@PN | Alcohol/Drug Use Indicators | 8801019 | Refused | 8801023 | Unable to Complete |
| eVitals.30 | Stroke Scale Type | 3330003 | Los Angeles | 3330004 | Los Angeles Prehospital Stroke Screen (LAPSS) |
| eExam.19 | Mental Status Assessment | 3519019 | Pharmacologically Sedated/Paralyzed | 3519037 | Pharmacologically Sedated |
| eExam.20 | Neurological Assessment | 3520025 | Seizure | 3520055 | Other Seizures |
| eMedications.06 | Medication Dosage Units | 3706011 | Liters Per Minute (l/min [fluid]) | 3706035 | Liters Per Minute (LPM [gas]) |
| eMedications.10  eProcedures.10 | Role/Type of Person Administering Medication  Role/Type of Person Performing the Procedure | 9905009 | EMT-Basic | 9905005 | Emergency Medical Technician (EMT) |
| 9905011 | EMT-Intermediate | 9905002 | Emergency Medical Technician - Intermediate |
| 9905013 | EMT-Paramedic | 9905007 | Paramedic |
| 9905015 | First Responder | 9905003 | Emergency Medical Responder (EMR) |
| 9905023 | Patient/Lay Person | 9905045 | Lay Person |
| eDisposition.21 | Type of Destination | 4221011 | Nursing Home/Assisted Living Facility | 4221029 | Assisted Living Facility |
| eDisposition.23  dFacility.04 | Hospital Capability  Hospital Designations | 9908017 | Stroke Center | NV=‌7701003 | Not Recorded |
| eOther.09 | External Electronic Document Type | 4509007 | DNR/Living Will | 4509006 | DNR |
| eOther.15 | Signature Status | 4515029 | Refused | 4515019 | Not Signed – Refused |
| dAgency.11  dConfiguration.06  dConfiguration.08  dVehicle.05 | Level of Service  EMS Certification Levels Permitted to Perform Each Procedure  EMS Certification Levels Permitted to Administer Each Medication  Crew State Certification/Licensure Levels | 9917009 | First Responder | 9917003 | Emergency Medical Responder (EMR) |
| 9917011 | EMT-Basic | 9917005 | Emergency Medical Technician (EMT) |
| 9917013 | EMT-Intermediate | 9917002 | Emergency Medical Technician - Intermediate |
| 9917015 | EMT-Paramedic | 9917007 | Paramedic |
| dPersonnel.29 | EMS Personnel's National Registry Certification Level | 1529009 | EMT-Basic | 1529005 | Emergency Medical Technician (EMT) |
| 1529011 | EMT-Intermediate | 1529002 | Emergency Medical Technician - Intermediate |
| 1529013 | EMT-Paramedic | 1529007 | Paramedic |
| 1529015 | First Responder | 1529003 | Emergency Medical Responder (EMR) |
| StateDataSet dConfiguration.02 | State Certification/Licensure Levels | 9911001 | 2009 Advanced Emergency Medical Technician (AEMT) | 9917001 | Advanced Emergency Medical Technician (AEMT) |
| 9911003 | 2009 Emergency Medical Responder (EMR) | 9917003 | Emergency Medical Responder (EMR) |
| 9911005 | 2009 Emergency Medical Technician (EMT) | 9917005 | Emergency Medical Technician (EMT) |
| 9911007 | 2009 Paramedic | 9917007 | Paramedic |
| 9911009 | EMT-Basic | 9917005 | Emergency Medical Technician (EMT) |
| 9911011 | EMT-Intermediate | 9917002 | Emergency Medical Technician - Intermediate |
| 9911013 | EMT-Paramedic | 9917007 | Paramedic |
| 9911015 | First Responder | 9917003 | Emergency Medical Responder (EMR) |
| 9911019 | Other | NV=‌7701003 | Not Recorded |
| 9911021 | Physician | 9917019 | Physician |
| 9911023 | Critical Care Paramedic | 9917021 | Critical Care Paramedic |
| 9911025 | Community Paramedicine | 9917023 | Community Paramedicine |
| 9911027 | Nurse Practitioner | 9917025 | Nurse Practitioner |
| 9911029 | Physician Assistant | 9917027 | Physician Assistant |
| 9911031 | Licensed Practical Nurse (LPN) | 9917029 | Licensed Practical Nurse (LPN) |
| 9911033 | Registered Nurse | 9917031 | Registered Nurse |

## eResponse.07 - Primary Role of the Unit

Map retired values to new values by comparing to eResponse.15 - Level of Care of This Unit.

| 3.4.0 | | | | 3.5.0 | |
| --- | --- | --- | --- | --- | --- |
| eResponse.07 | | eResponse.15 | | eResponse.07 | |
| 2207003 | Ground Transport | 2215001  2215003  2215005  2215007  2215023 | BLS… | 2207017 | Ground Transport (BLS Equipped) |
| 2215009  2215011  2215013  2215015  2215017  2215019 | ALS… | 4219009 | Ground Transport (ALS Equipped) |
| 2215021 | Specialty Critical Care | 2207019 | Ground Transport (Critical Care Equipped) |
| 2207005  2207007  2207009 | Non- Transport… | 2215001  2215003  2215005  2215007  2215023 | BLS… | 2207017 | Non-Transport-Medical Treatment (BLS Equipped) |
| 2215009  2215011  2215013  2215015  2215017  2215019 | ALS… | 4219009 | Non-Transport-Medical Treatment (ALS Equipped) |
| 2215021 | Specialty Critical Care |
| 2207011 | Air Transport-Helicopter | \* | \* | 2207011 | Air Transport-Helicopter |
| 2207013 | Air Transport-Fixed Wing | \* | \* | 2207013 | Air Transport-Fixed Wing |

## eVitals.CardiacRhythmGroup

Remove @CorrelationID.

## eVitals.16 - End Tidal Carbon Dioxide (ETCO2)

If element has a value, add @ETCOType and set to 3440001 (mmHg).

## eVitals.18 - Blood Glucose Level

v3.4.0 requires an integer. v3.5.0 additionally allows the values “High” and “Low”. The v3.4.0 data dictionary states, “For glucometers with ‘High’ and ‘Low’ readings, report ‘600’ for ‘High’ and ‘20’ for ‘Low’.” Map “600” to “High” and “20” to “Low”. Copy all other values as-is.

## eExam.08 - Chest/Lungs Assessment

Map values to new elements in eExam.LungGroup and eExam.ChestGroup. Attach @CorrelationID from eExam.08 to the first instance of eExam.LungGroup or eExam.ChestGroup.

Values are mapped to eExam.LungGroup as follows.

| 3.4.0 | | 3.5.0 | | | |
| --- | --- | --- | --- | --- | --- |
| eExam.08 | | eExam.22 | | eExam.23 | |
| 3508011 | Breath Sounds-Absent-Left | 3522001 | Left | 3523001 | Breath Sounds-Absent |
| 3508013 | Breath Sounds-Absent-Right | 3522003 | Right |
| 3508015 | Breath Sounds-Decreased Left | 3522001 | Left | 3523003 | Breath Sounds-Decreased |
| 3508017 | Breath Sounds-Decreased Right | 3522003 | Right |
| 3508019 | Breath Sounds-Equal | 3522005 | Bilateral | 3523005 | Breath Sounds-Equal |
| 3508021 | Breath Sounds-Normal-Left | 3522001 | Left | 3523007 | Breath Sounds-Normal |
| 3508023 | Breath Sounds-Normal-Right | 3522003 | Right |
| 3508041 | Foreign Body |  |  | 3523011 | Foreign Body |
| 3508047 | Increased Respiratory Effort |  |  | 3523011 | Increased Respiratory Effort |
| 3508053 | Normal |  |  | 3523013 | Normal |
| 3508055 | Not Done |  |  | 3523015 | Not Done |
| 3508057 | Pain |  |  | 3523017 | Pain |
| 3508059 | Pain with Inspiration/expiration - Left | 3522001 | Left | 3523019 | Pain with Inspiration/Expiration |
| 3508061 | Pain with Inspiration/expiration - Right | 3522003 | Right |
| 3508065 | Rales - Left | 3522001 | Left | 3523021 | Rales |
| 3508067 | Rales - Right | 3522003 | Right |
| 3508071 | Rhonchi - Left | 3522001 | Left | 3523023 | Rhonchi |
| 3507073 | Rhonchi - Right | 3522003 | Right |
| 3508075 | Rhonchi/Wheezing |  |  | 3523025 | Rhonchi/Wheezing |
| 3508077 | Stridor-Left | 3522001 | Left | 3523027 | Stridor |
| 3508079 | Stridor-Right | 3522003 | Right |
| 3508089 | Wheezing-Expiratory-Left | 3522001 | Left | 3523029 | Wheezing-Expiratory |
| 3508091 | Wheezing-Expiratory-Right | 3522003 | Right |
| 3508093 | Wheezing-Inspiratory-Left | 3522001 | Left | 3523031 | Wheezing-Inspiratory |
| 3508095 | Wheezing-Inspiratory-Right | 3522003 | Right |

Values are mapped to eExam.ChestGroup as follows.

| 3.4.0 | | 3.5.0 | | | |
| --- | --- | --- | --- | --- | --- |
| eExam.08 | | eExam.24 | | eExam.25 | |
| 3508001 | Abrasion |  |  | 3525001 | Abrasion |
| 3508003 | Avulsion |  |  | 3525003 | Avulsion |
| 3508005 | Accessory Muscles Used with Breathing |  |  | 3525005 | Accessory Muscles Used with Breathing |
| 3508007 | Bleeding Controlled |  |  | 3525007 | Bleeding Controlled |
| 3508009 | Bleeding Uncontrolled |  |  | 3525009 | Bleeding Uncontrolled |
| 3508025 | Burn-Blistering |  |  | 3525011 | Burn-Blistering |
| 3508027 | Burn-Charring |  |  | 3525013 | Burn-Charring |
| 3508029 | Burn-Redness |  |  | 3525015 | Burn-Redness |
| 3508031 | Burn-White/Waxy |  |  | 3525017 | Burn-White/Waxy |
| 3508033 | Crush Injury |  |  | 3525019 | Crush Injury |
| 3508035 | Deformity |  |  | 3525021 | Deformity |
| 3508037 | Flail Segment-Left | 3524013 | Left - Anterior | 3525023 | Flail Segment |
| 3508039 | Flail Segment-Right | 3524015 | Right - Anterior |
| 3508049 | Implanted Device |  |  | 3525025 | Implanted Device |
| 3508051 | Laceration |  |  | 3525027 | Laceration |
| 3508053 | Normal |  |  | 3525029 | Normal |
| 3508055 | Not Done |  |  | 3525031 | Not Done |
| 3508057 | Pain |  |  | 3525033 | Pain |
| 3508059 | Pain with Inspiration/expiration - Left | 3524013 | Side - Left | 3525035 | Pain with Inspiration/Expiration |
| 3508061 | Pain with Inspiration/expiration - Right | 3524015 | Side - Right |
| 3508069 | Retraction |  |  | 3525039 | Retraction |
| 3508085 | Tenderness-Left | 3524013 | Side - Left | 3525041 | Tenderness |
| 3508087 | Tenderness-Right | 3524015 | Side - Right |
| 3508097 | Gunshot Wound |  |  | 3525043 | Gunshot Wound |
| 3508099 | Swelling |  |  | 3525045 | Swelling |
| 3508101 | Contusion |  |  | 3525047 | Contusion |
| 3508103 | Tenderness |  |  | 3525049 | Tenderness |

## eMedications.03 - Medication Given dConfiguration.09 - EMS Agency Medications StateDataSet dConfiguration.04 - Medications Permitted by the State

If element has a value, add @CodeType and set to 9924003 (RxNorm).

## eDisposition.IncidentDispositionGroup

Map new v3.5.0 elements from retired v3.4.0 element eDisposition.12 - Incident/Patient Disposition. The v3.4.0 [Extended NEMSIS V3 Data Definitions](https://nemsis.org/wp-content/uploads/2018/09/Extended-Data-Definitions_v3_Final.pdf) document informed the development of these mappings.

eDisposition.27 - Unit Disposition:

| 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- |
| eDisposition.12 | | eDisposition.27 | |
| 4212001 | Assist, Agency | 4227007 | No Patient Contact |
| 4212003 | Assist, Public |
| 4212005 | Assist, Unit |
| 4212007 | Canceled (Prior to Arrival At Scene) | 4227005 | Cancelled Prior to Arrival at Scene |
| 4212009 | Canceled on Scene (No Patient Contact) | 4227007 | No Patient Contact |
| 4212011 | Canceled on Scene (No Patient Found) | 4227009 | No Patient Found |
| 4212013 | Patient Dead at Scene-No Resuscitation Attempted (With Transport) | 4227001 | Patient Contact Made |
| 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 | 4227011 | Non-Patient Incident (Not Otherwise Listed) |
| 4212041 | Standby-Public Safety, Fire, or EMS Operational Support Provided |
| 4212043 | Transport Non-Patient, Organs, etc. |

eDisposition.28 - Patient Evaluation/Care:

| 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- |
| eDisposition.12 | | eDisposition.28 | |
| 4212001 | Assist, Agency | NV=‌7701001 | Not Applicable |
| 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) | 4228005 | Patient Evaluated, No Care Required |
| 4212015 | Patient Dead at Scene-No Resuscitation Attempted (Without Transport) | 4228005 | Patient Evaluated, No Care Required |
| 4212017 | Patient Dead at Scene-Resuscitation Attempted (With Transport) | 4228001 | Patient Evaluated and Care Provided |
| 4212019 | Patient Dead at Scene-Resuscitation Attempted (Without Transport) | 4228001 | Patient Evaluated and Care Provided |
| 4212021 | Patient Evaluated, No Treatment/Transport Required |
| 4212023 | Patient Refused Evaluation/Care (With Transport) | 4228007 | Patient Refused Evaluation/Care |
| 4212025 | Patient Refused Evaluation/Care (Without Transport) |
| 4212027 | Patient Treated, Released (AMA) | 4228001 | Patient Evaluated and Care Provided |
| 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 | NV=‌7701001 | Not Applicable |
| 4212041 | Standby-Public Safety, Fire, or EMS Operational Support Provided |
| 4212043 | Transport Non-Patient, Organs, etc. |

eDisposition.29 -Crew Disposition:

| 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- |
| eDisposition.12 | | eDisposition.29 | |
| 4212001 | Assist, Agency | 4229009 | Incident Support Services Provided (Including Standby) |
| 4212003 | Assist, Public |
| 4212005 | Assist, Unit |
| 4212007 | Canceled (Prior to Arrival At Scene) | 4229011 | Back in Service, No Care/Support Services Required |
| 4212009 | Canceled on Scene (No Patient Contact) |
| 4212011 | Canceled on Scene (No Patient Found) |
| 4212013 | Patient Dead at Scene-No Resuscitation Attempted (With Transport) | 4229009 | Incident Support Services Provided (Including Standby) |
| 4212015 | Patient Dead at Scene-No Resuscitation Attempted (Without Transport) | 4229011 | Back in Service, No Care/Support Services Required |
| 4212017 | Patient Dead at Scene-Resuscitation Attempted (With Transport) | 4229001 | Initiated and Continued Primary Care |
| 4212019 | Patient Dead at Scene-Resuscitation Attempted (Without Transport) |
| 4212021 | Patient Evaluated, No Treatment/Transport Required | 4229011 | Back in Service, No Care/Support Services Required |
| 4212023 | Patient Refused Evaluation/Care (With Transport) | 4229013 | Incident Support Services Provided (Including Standby) |
| 4212025 | Patient Refused Evaluation/Care (Without Transport) | 4229013 | Back in Service, Care/Support Services Refused |
| 4212027 | Patient Treated, Released (AMA) | 4229001 | Initiated and Continued Primary Care |
| 4212029 | Patient Treated, Released (per protocol) |
| 4212031 | Patient Treated, Transferred Care to Another EMS Unit | 4229003 | Initiated Primary Care and Transferred to Another EMS Crew |
| 4212033 | Patient Treated, Transported by this EMS Unit | 4229001 | Initiated and Continued Primary Care |
| 4212035 | Patient Treated, Transported by Law Enforcement |
| 4212037 | Patient Treated, Transported by Private Vehicle |
| 4212039 | Standby-No Services or Support Provided | 4229011 | Back in Service, No Care/Support Services Required |
| 4212041 | Standby-Public Safety, Fire, or EMS Operational Support Provided | 4229009 | Incident Support Services Provided (Including Standby) |
| 4212043 | Transport Non-Patient, Organs, etc. |

eDisposition.30 - Transport Disposition:

| 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- |
| eDisposition.12 | | eDisposition.30 | |
| 4212001 | Assist, Agency | 4230013 | No Transport |
| 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) | 4230001 | Transport by This EMS Unit (This Crew Only) |
| 4212015 | Patient Dead at Scene-No Resuscitation Attempted (Without Transport) | 4230013 | No Transport |
| 4212017 | Patient Dead at Scene-Resuscitation Attempted (With Transport) | 4230001 | Transport by This EMS Unit (This Crew Only) |
| 4212019 | Patient Dead at Scene-Resuscitation Attempted (Without Transport) | 4230013 | No Transport |
| 4212021 | Patient Evaluated, No Treatment/Transport Required |
| 4212023 | Patient Refused Evaluation/Care (With Transport) | 4230001 | Transport by This EMS Unit (This Crew Only) |
| 4212025 | Patient Refused Evaluation/Care (Without Transport) | 4230013 | No Transport |
| 4212027 | Patient Treated, Released (AMA) | 4230009 | Patient Refused Transport |
| 4212029 | Patient Treated, Released (per protocol) | 4230013 | No Transport |
| 4212031 | Patient Treated, Transferred Care to Another EMS Unit | 4230005 | Transport by Another EMS Unit |
| 4212033 | Patient Treated, Transported by this EMS Unit | 4230001 | Transport by This EMS Unit (This Crew Only) |
| 4212035 | Patient Treated, Transported by Law Enforcement | 4230013 | No Transport |
| 4212037 | Patient Treated, Transported by Private Vehicle |
| 4212039 | Standby-No Services or Support Provided | NV=‌7701001 | Not Applicable |
| 4212041 | Standby-Public Safety, Fire, or EMS Operational Support Provided |
| 4212043 | Transport Non-Patient, Organs, etc. | 4230011 | Non-Patient Transport (Not Otherwise Listed) |

eDisposition.31 - Reason for Refusal/Release is only mapped in the following cases:

| 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- |
| eDisposition.12 | | eDisposition.31 | |
| 4212021 | Patient Evaluated, No Treatment/Transport Required | 4231005 | Released Following Protocol Guidelines |
| 4212027 | Patient Treated, Released (AMA) | 4231001 | Against Medical Advice |
| 4212029 | Patient Treated, Released (per protocol) | 4231005 | Released Following Protocol Guidelines |
| 4212035 | Patient Treated, Transported by Law Enforcement | 4231007 | Released to Law Enforcement |

## eDisposition.32 - Level of Care Provided per Protocol

Map to v3.5.0 mandatory element from eDisposition.12 - Incident/Patient Disposition, eProcedures.ProcedureGroup, and eResponse.15 - Level of Care of This Unit. The mapping is not precise. In v3.4.0, eResponse.15 is “the level of care (BLS or ALS) the unit is able to provide based on the units' treatment capabilities for this EMS response.” In v3.5.0, eDisposition.32 is “the general level of care provided to this patient as defined per provider level in local EMS protocols or clinical guidelines.” The first condition met in the following table is used.

| 3.4.0 | | 3.5.0 | |
| --- | --- | --- | --- |
| eDisposition.12 | | eDisposition.32 | |
| 4212001 | Assist, Agency | 4232013 | No Care Provided |
| 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) |
| 4212039 | Standby-No Services or Support Provided |
| 4212041 | Standby-Public Safety, Fire, or EMS Operational Support Provided |
| 4212043 | Transport Non-Patient, Organs, etc. |
| eDisposition.12, with no procedures recorded in eProcedures.ProcedureGroup | |  | |
| 4212013 | Patient Dead at Scene-No Resuscitation Attempted (With Transport) | 4232013 | No Care Provided |
| 4212015 | Patient Dead at Scene-No 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) |
| eResponse.15 | |  | |
| 2215001 | BLS-First Responder/EMR | 4232001 | BLS - All Levels |
| 2215003 | BLS-Basic /EMT |
| 2215005 | BLS-AEMT |
| 2215007 | BLS-Intermediate |
| 2215009 | ALS-AEMT | 4232003 | AEMT/Intermediate |
| 2215011 | ALS-Intermediate |
| 2215013 | ALS-Paramedic | 4232005 | ALS - Paramedic |
| 2215017 | ALS-Nurse | 4232007 | EMS and Other Health-Care Staff |
| 2215019 | ALS-Physician |
| 2215021 | Specialty Critical Care | 4232009 | Critical Care |
| 2215023 | BLS-Community Paramedicine | 4232011 | Integrated Healthcare |
| 2215015 | ALS-Community Paramedicine |

## eOutcome.09 - Emergency Department Procedures

Enclose in new element eOutcome.EmergencyDepartmentProceduresGroup. Move @CorrelationID to eOutcome.EmergencyDepartmentProceduresGroup.

## eOutcome.12 - Hospital Procedures

Enclose in new element eOutcome.HospitalProceduresGroup. Move @CorrelationID to eOutcome.HospitalProceduresGroup.

## StateDataSet Element Numbers

StateDataSet element numbers were changed in v3.5.0. Renumber elements as follows.

| v3.4.0 | v3.5.0 | |
| --- | --- | --- |
| Element No. | Element No. | Element Name |
| dConfiguration.01 | sState.01 | State |
| dCustomConfiguration | sdCustomConfiguration |  |
| dCustomConfiguration.‌CustomGroup | sdCustomConfiguration. ‌CustomGroup |  |
| dCustomConfiguration.01 | sdCustomConfiguration.01 | Agency Demographic Custom Data Element Title |
| dCustomConfiguration.02 | sdCustomConfiguration.02 | Agency Demographic Custom Definition |
| dCustomConfiguration.03 | sdCustomConfiguration.03 | Agency Demographic Custom Data Type |
| dCustomConfiguration.04 | sdCustomConfiguration.04 | Agency Demographic Custom Data Element Recurrence |
| dCustomConfiguration.05 | sdCustomConfiguration.05 | Agency Demographic Custom Data Element Usage |
| dCustomConfiguration.06 | sdCustomConfiguration.06 | Agency Demographic Custom Data Element Potential Values |
| dCustomConfiguration.07 | sdCustomConfiguration.07 | Agency Demographic Custom Data Element Potential NOT Values (NV) |
| dCustomConfiguration.08 | sdCustomConfiguration.08 | Agency Demographic Custom Data Element Potential Pertinent Negative Values (PN) |
| dCustomConfiguration.09 | sdCustomConfiguration.09 | Agency Demographic Custom Data Element Grouping ID |
| eCustomConfiguration | seCustomConfiguration |  |
| eCustomConfiguration. ‌CustomGroup | seCustomConfiguration. ‌CustomGroup |  |
| eCustomConfiguration.01 | seCustomConfiguration.01 | Patient Care Report Custom Data Element Title |
| eCustomConfiguration.02 | seCustomConfiguration.02 | Patient Care Report Custom Definition |
| eCustomConfiguration.03 | seCustomConfiguration.03 | Patient Care Report Custom Data Type |
| eCustomConfiguration.04 | seCustomConfiguration.04 | Patient Care Report Custom Data Element Recurrence |
| eCustomConfiguration.05 | seCustomConfiguration.05 | Patient Care Report Custom Data Element Usage |
| eCustomConfiguration.06 | seCustomConfiguration.06 | Patient Care Report Custom Data Element Potential Values |
| eCustomConfiguration.07 | seCustomConfiguration.07 | Patient Care Report Custom Data Element Potential NOT Values (NV) |
| eCustomConfiguration.08 | seCustomConfiguration.08 | Patient Care Report Custom Data Element Potential Pertinent Negative Values (PN) |
| eCustomConfiguration.09 | seCustomConfiguration.09 | Patient Care Report Custom Data Element Grouping ID |
| dState | sElement |  |
| dState.01 | sElement.01 | State Collected Element |
| eState | sElement |  |
| eState.01 | sElement.01 | State Collected Element |
| dConfiguration | sConfiguration |  |
| dConfiguration.02 | sConfiguration.01 | State Certification/Licensure Levels |
| dConfiguration. ‌ProcedureGroup | sConfiguration. ‌ProcedureGroup |  |
| dConfiguration.06 | sConfiguration.02 | EMS Certification Levels Permitted to Perform Each Procedure |
| dConfiguration.03 | sConfiguration.03 | Procedures Permitted by the State |
| dConfiguration. ‌MedicationGroup | sConfiguration. ‌MedicationGroup |  |
| dConfiguration.08 | sConfiguration.04 | EMS Certification Levels Permitted to Administer Each Medication |
| dConfiguration.04 | sConfiguration.05 | Medications Permitted by the State |
| dConfiguration.05 | sConfiguration.06 | Protocols Permitted by the State |
| dAgency | sAgency |  |
| dAgencyGroup | sAgencyGroup |  |
| dAgency.01 | sAgency.01 | EMS Agency Unique State ID |
| dAgency.02 | sAgency.02 | EMS Agency Number |
| dAgency.03 | sAgency.03 | EMS Agency Name |
| dFacility | sFacility |  |
| dFacilityGroup | sFacilityGroup |  |
| dFacility.01 | sFacility.01 | Type of Facility |
| dFacility.FacilityGroup | sFacility.FacilityGroup |  |
| dFacility.02 | sFacility.02 | Facility Name |
| dFacility.03 | sFacility.03 | Facility Location Code |
| dFacility.04 | sFacility.04 | Hospital Designations |
| dFacility.05 | sFacility.05 | Facility National Provider Identifier |
| dFacility.06 | sFacility.06 | Facility Room, Suite, or Apartment |
| dFacility.07 | sFacility.07 | Facility Street Address |
| dFacility.08 | sFacility.08 | Facility City |
| dFacility.09 | sFacility.09 | Facility State |
| dFacility.10 | sFacility.10 | Facility ZIP Code |
| dFacility.11 | sFacility.11 | Facility County |
| dFacility.12 | sFacility.12 | Facility Country |
| dFacility.13 | sFacility.13 | Facility GPS Location |
| dFacility.14 | sFacility.14 | Facility US National Grid Coordinates |
| dFacility.15 | sFacility.15 | Facility Phone Number |

## StateDataSet dConfiguration.01 - State Associated with the Certification/Licensure Levels

Enclose in new element sState.

## StateDataSet dCustomConfiguration StateDataSet eCustomConfiguration

Switch order.

## StateDataSet dState StateDataSet eState

Merge into one sElement group.

## StateDataSet dState.01 - State Required Element StateDataSet eState.01 - State Required Element

Remove @TIMESTAMP.

## StateDataSet dFacility.15 - Facility Phone Number

Remove @CorrelationID.