NEMSIS 3.4.0 to 3.3.4 Translation

The NEMSIS 3.4.0 to 3.3.4 Translation provides XSL transformations to translate NEMSIS DEMDataSet and EMSDataSet documents from version 3.4.0 to version 3.3.4.

## Elements Removed

The following elements that are new in 3.4.0 are not mapped.

|  |  |
| --- | --- |
| Element No. | Element Name |
| dCustomConfiguration.09 | Custom Data Element Grouping ID |
| eCustomConfiguration.09 | Custom Data Element Grouping ID |
| dFacility.15 | Facility Phone Number |
| eDispatch.06 | Unit Dispatched CAD Record ID |
| ePayment.57 | Payer Type |
| ePayment.58 | Insurance Group Name |
| eSituation.18 | Date/Time Last Known Well |
| eArrest.19 | Date/Time of Initial CPR |

## AssociatedSymptoms

Pattern change. Values not matching the 3.3.4 pattern are mapped to Not Value 7701003 (Not Recorded).

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| eSituation.09 | Primary Symptom | Required |
| eSituation.10 | Other Associated Symptoms | Required |

## CityGnisCodePayment

Includes only if value is a positive integer (GNIS code). Text values are removed.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Reason |
| ePayment.13 | Insurance Company City | Optional |
| ePayment.27 | Closest Relative/ Guardian City | Optional |
| ePayment.35 | Patient's Employer's City | Optional |

## CrewMemberID

Truncates to 15 characters.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| eCrew.01 | Crew Member ID | Recommended |
| eMedications.09 | Medication Crew (Healthcare Professionals) ID | Recommended |
| eProcedures.09 | Procedure Crew Members ID | Recommended |
| eAirway.07 | Crew Member ID | Recommended |
| eOther.04 | EMS Professional (Crew Member) ID | Optional |
| eOther.08 | Crew Member Completing this Report | Recommended |
| eCrew.01 | Crew Member ID | Recommended |

## CurrentMedicationAdministrationRoute

Maps value 9927061 (Portacath) to 9927023 (Intravenous (IV)).

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| eHistory.15 | Current Medication Administration Route | Optional |
| eMedications.04 | Medication Administered Route | Optional |

## icd10Code

Pattern change. Values not matching the 3.3.4 pattern are removed.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| ePayment.51 | EMS Condition Code | Optional |
| eOutcome.10 | Emergency Department Diagnosis | Optional |

## PersonLastName

Truncates to 50 characters.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| dContact.02 | Agency Contact Last Name | Recommended |
| dPersonnel.01 | EMS Personnel's Last Name | Recommended |
| ePatient.02 | Last Name | Recommended |
| ePayment.06 | Last Name of Individual Signing Physician Certification Statement | Optional |
| ePayment.19 | Last Name of the Insured | Optional |
| ePayment.23 | Closest Relative/Guardian Last Name | Optional |
| eHistory.02 | Last Name of Patient's Practitioner | Optional |
| eOther.20 | Signature Last Name | Optional |

## PersonName

Truncates to 50 characters.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| ePayment.54 | Prior Authorization Code Payer | Optional |
| eMedications.12 | Medication Authorizing Physician | Optional |
| eProcedures.12 | Procedure Authorizing Physician | Optional |

## ProtocolsUsed

Affects the following elements.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| dConfiguration.05 | Protocols Permitted by the State | Required |
| dConfiguration.10 | EMS Agency Protocols | Mandatory |
| eProtocols.01 | Protocols Used | Required |

New values are mapped as follows. New values not listed are mapped to 9914165 (Other).

|  |  |  |  |
| --- | --- | --- | --- |
| 3.4.0 Value | 3.4.0 Label | 3.3.4 Value | 3.3.4 Label |
| 9914203 | Injury-Conducted Electrical Weapon (e.g., Taser) | 9914095 | Injury-Electrical Injuries |
| 9914205 | Injury-Facial Trauma | 9914101 | Injury-Head |
| 9914215 | Medical-Beta Blocker Poisoning/Overdose | 9914135 | Medical-Overdose/Poisoning/Toxic Ingestion |
| 9914217 | Medical-Calcium Channel Blocker Poisoning/Overdose |
| 9914219 | Medical-Opioid Poisoning/Overdose |
| 9914225 | Medical-Stimulant Poisoning/Overdose |
| 9914221 | Medical-Respiratory Distress-Bronchiolitis | 9914139 | Medical-Respiratory Distress/‌Asthma/‌COPD/‌Croup/‌Reactive Airway |
| 9914223 | Medical-Respiratory Distress-Croup |

## ProviderImpression

Pattern change. Values not matching the 3.3.4 pattern are mapped to Not Value 7701003 (Not Recorded).

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| eSituation.11 | Provider's Primary Impression | Required |
| eSituation.12 | Provider's Secondary Impressions | Required |

## StreetAddress

Truncates to 55 characters.

|  |  |  |
| --- | --- | --- |
| Element No. | Element Name | Usage |
| dContact.05 | Agency Contact Address | Recommended |
| dLocation.06 | EMS Location Address | Optional |
| dPersonnel.04 | EMS Personnel's Mailing Address | Optional |
| dFacility.07 | Facility Street Address | Optional |
| ePatient.05 | Patient's Home Address | Optional |
| ePayment.12 | Insurance Company Address | Optional |
| ePayment.26 | Closest Relative/ Guardian Street Address | Optional |
| ePayment.34 | Patient's Employer's Address | Optional |
| eScene.15 | Incident Street Address | Recommended |
| eDisposition.03 | Destination Street Address | Optional |
| @StreetAddress2 |  | Optional |

## dAgency.22 - EMS Billable Calls per Year

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## dPersonnel.24 - EMS Personnel's State EMS Certification Licensure Level

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## dPersonnel.29 - EMS Personnel's National Registry Certification Level

Maps value for 2009 Advanced Emergency Medical Technician(AEMT) from 1529901 to 1529001.

## dFacility.01 - Type of Facility

Maps new values to 1701011 (Other).

## dFacility.05 - Facility National Provider Identifier

Removes instances after first instance.

Removes @CorrelationID.

## eRecord.01 - Patient Care Report Number

Important: Truncates to 32 characters. If the original value is longer than 32 characters, a message is generated by the XSLT processor and a comment is added to the output document. It is not recommended to allow values longer than 32 characters in environments where translation will be necessary.

## eResponse.03 - Incident Number

Truncates to 32 characters. If the original value is longer than 32 characters, a comment is added to the output document.

## eScene.14 - Mile Post or Major Roadway

If length is 1, “\_” is prepended to meet minimum length of 2.

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## eScene.15 - Incident Street Address

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## eScene.16 - Incident Apartment, Suite, or Room

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## eInjury.04 - Vehicular, Pedestrian, or Other Injury Risk Factor

Maps new value to Not Value 7701003 (Not Recorded).

## eArrest.10 – Therapeutic Hypothermia Initiated

Element was retired in 3.4.0 but mandatory in 3.3.4. If eProcedures.03 Procedure Performed contains value 430189000 (Hypothermia Induction Therapy), eArrest.10 is included in the output with value 9923003 (Yes). Otherwise, eArrest.10 is included in the output with Not Value 7701003 (Not Recorded).

## eHistory.01 - Barriers to Patient Care

Maps new value to Not Value 7701003 (Not Recorded).

## eHistory.06 - Medication Allergies

Maps Pertinent Negative value 8801021 (Unresponsive) to 8801023 (Unable to Complete).

## eHistory.08 - Medical/Surgical History

Pattern change. Values not matching the 3.3.4 pattern are removed.

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## eHistory.14 - Current Medication Dosage Unit

Maps new values to 3114041 (other (Not Listed)).

## eVitals.16 - Carbon Dioxide (CO2)

Values over 100 are changed to 100.

## eVitals.17 - Carbon Monoxide (CO)

Values are rounded to the nearest integer.

Maps Not Value 7701005 (Not Reporting) to 7701003 (Not Recorded).

## eExam.04 - Skin Assessment eExam.10 - Abdominal Assessment Finding Location eExam.11 - Abdomen Assessment eExam.16 - Extremities Assessment eExam.19 - Mental Status Assessment eExam.20 - Neurological Assessment

New values are removed.

## eExam.21 - Stroke/CVA Symptoms Resolved

Map "Yes" values to a new instance of eExam.AssessmentGroup with eExam.20 as follows. eExam.21 is removed.

|  |  |  |  |
| --- | --- | --- | --- |
| eExam.21 Value | eExam.21 Label | eExam.20 Value | eExam.20 Label |
| 3521003 | Yes-Resolved Prior to EMS Arrival | 3520047 | Reported Stroke Symptoms Resolved Prior to EMS Arrival |
| 3521005 | Yes-Resolved in EMS Presence | 3520049 | Reported Stroke Symptoms Resolved in EMS Presence |

## eMedications.06 - Medication Dosage Units

Maps new values to 3706029 (Other).

## eProcedures.07 - Procedure Complication

Maps new values 3907049 (Itching) and 3907051 (Urticaria) to 3907029 (Itching/Urticaria).

## eAirway.08 - Airway Complications Encountered eAirway.09 - Suspected Reasons for Failed Airway Procedure

Moves to a new instance of eAirway.ConfirmationGroup.

## eDisposition.19 - Condition of Patient at Destination

Maps new values to existing values by comparing to eSituation.13 - Initial Patient Acuity. The mapping is not precise. If eSituation.13 is not recorded, eSituation.19 is mapped to Not Value 7701003 (Not Recorded).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3.4.0 | | | | 3.3.4 | |
| eSituation.13 | | eDisposition.19 | | eDisposition.19 | |
| 2813001 | Critical (Red) | 4219001 | Critical (Red) | 9916003 | Unchanged |
| 4219003 | Emergent (Yellow) | 9916001 | Improved |
| 4219005 | Lower Acuity (Green) | 9916001 | Improved |
| 4219007 | Dead without Resuscitation Efforts (Black) | 9915005 | Worse |
| 2813003 | Emergent (Yellow) | 4219001 | Critical (Red) | 9915005 | Worse |
| 4219003 | Emergent (Yellow) | 9916003 | Unchanged |
| 4219005 | Lower Acuity (Green) | 9916001 | Improved |
| 4219007 | Dead without Resuscitation Efforts (Black) | 9915005 | Worse |
| 2813005 | Lower Acuity (Green) | 4219001 | Critical (Red) | 9915005 | Worse |
| 4219003 | Emergent (Yellow) | 9915005 | Worse |
| 4219005 | Lower Acuity (Green) | 9916003 | Unchanged |
| 4219007 | Dead without Resuscitation Efforts (Black) | 9915005 | Worse |
| 2813007 | Dead without Resuscitation Efforts (Black) | 4219001 | Critical (Red) | 9916001 | Improved |
| 4219003 | Emergent (Yellow) | 9916001 | Improved |
| 4219005 | Lower Acuity (Green) | 9916001 | Improved |
| 4219007 | Dead without Resuscitation Efforts (Black) | 9916003 | Unchanged |

## eDisposition.22 - Hospital In-Patient Destination

Maps new values to 4222035 (Hospital-Other).

## eOutcome.08 - Emergency Department Recorded Cause of Injury

Removes instances after first instance.

Removes @CorrelationID.

## eOutcome.13 - Hospital Diagnosis

Pattern change. Values not matching the 3.3.4 pattern are removed.

## eOther.13 - Signature Reason

Removes instances after first instance.

Removes @CorrelationID.