NEMSIS v3.5.0 Change Log

**NEMSIS Technical Assistance Center (TAC)**

**September 30, 2019**

**Updated March 2023 for Critical Patch 4**

# Overview

This change log represents the updates made to the NEMSIS data standard released as version 3.5.0. Revisions made to the standard were provided by various stakeholders, carefully reviewed, and implemented where feasible.

The composition and changes charts are updated to reflect the differences between revisions of the NEMSIS V3 standard, rather than changes from version 2.

Descriptions of the sample element page are in the same section as that page. The descriptions were updated to clarify phrasing and include links to the referenced white papers.

## Naming Convention

The naming convention for a NEMSIS release is as follows:

3.Major.Minor.BuildDateCP#

3 = NEMSIS version 3

Major: Significant improvements or changes in functionality

Minor: Minor feature changes or significant fixes

BuildDate: informational changes to comments/dictionary

CP# = Critical Patch where # is incremental and references the critical patch version

## Format

This is an example of the format in which changes are described, where changes are part of the critical patch it will be indicated in the change description:

|  |  |
| --- | --- |
| **Add value, change value, change description (as it applies).** | |
| **Old:** | “Identifier if the code used for patient medication allergies is based on an RxNorm code or an ICD-10 code.” |
|  | Value “ICD10” with code 9924001 |
| **New:** | “Identifier if the code used is based on an RxNorm code, an ICD-10 code, or a SNOMED-CT code.” |
|  | Added value “SNOMED-CT” with code 9924005 |
|  | Value “ICD-10” with code 9924001 |
| **Impacted elements:** | [eMedications.03](#_eMedications.03) |
| **JIRA ticket:** | [NEMPUB-180](https://jira.utahdcc.org/jira/browse/NEMPUB-180) |

|  |  |
| --- | --- |
| **RED** | **Removed** |
| **GREEN** | **New** |
| **BLUE** | **Modified** |

COLOR KEY

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# XSD Files Impacted

|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Change** | **File** | **Change** |
| CADDataSet | **Removed** | eAirway | **Modified** |
| MedDeviceDataSet | **Removed** | eArrest | **Modified** |
| commonTypes | **Modified** | eCrew | **Modified** |
| dAgency | **Modified** | eCustom | **Modified** |
| dConfiguration | **Modified** | eDevice | **Modified** |
| dContact | **Modified** | eDispatch | **Modified** |
| dCustom | **Modified** | eDisposition | **Modified** |
| dDevice | **Modified** | eExam | **Modified** |
| DEMDataSet | **Modified** | eHistory | **Modified** |
| dFacility | **Modified** | eInjury | **Modified** |
| dLocation | **Modified** | eLabs | **Modified** |
| dPersonnel | **Modified** | eMedications | **Modified** |
| dVehicle | **Modified** | EMSDataSet | **Modified** |
| sAgency | **New** | eNarrative | **No Changes** |
| sConfiguration | **New** | eOther | **Modified** |
| sdCustom | **New** | eOutcome | **Modified** |
| seCustom | **New** | ePatient | **Modified** |
| sElement | **New** | ePayment | **Modified** |
| sFacility | **New** | eProcedures | **Modified** |
| sSoftware | **New** | eProtocols | **Modified** |
| sState | **New** | eRecord | **Modified** |
| StateDataSet | **Modified** | eResponse | **Modified** |
|  |  | eScene | **Modified** |
|  |  | eSituation | **Modified** |
|  |  | eTimes | **Modified** |
|  |  | eVitals | **Modified** |

|  |  |
| --- | --- |
| **RED** | **Removed** |
| **GREEN** | **New** |
| **BLUE** | **Modified** |

**Color Key**

# commonTypes

## CardiacRhythm

**Add value**

**Description:** Added value of “Non-STEMI Septal Ischemia” with code 9901030

Added value of “STEMI Septal Ischemia” with code 9901058

**Impacted elements:** eVitals.03

**JIRA ticket:** [NEMPUB-36](https://jira.utahdcc.org/jira/browse/NEMPUB-36)

## CodeType

**Add value, change value, change description.**

**Old: “**Identifier if the code used for patient medication allergies is based on an RxNorm code or an ICD-10 code.”

Value “ICD10” with code 9924001

**New:** “Identifier if the code used is based on an RxNorm code, an ICD-10 code, or a SNOMED-CT code.”

Added value “SNOMED-CT” with code 9924005

Value “ICD-10” with code 9924001

**Impacted elements:** [eMedications.03](#_eMedications.03), [dConfiguration.09](#_dConfiguration.09), [sConfiguration.05](#_sConfiguration)

**JIRA ticket:** [NEMPUB-180](https://jira.utahdcc.org/jira/browse/NEMPUB-180)

## CurrentMedicationAdministrationRoute

**Add values**

**Description:** Added value of “Auto Injector” with code 9927063

Added value of “BVM” with code 9927065

Added value of “CPAP” with code 9927067

Added value of “IV Pump” with code 9927069

Added value of “Nebulizer” with code 9927071

Added value of “Umbilical Artery Catheter” with code 9927073

Added value of “Umbilical Venous Catheter” with code 9927075

**Impacted elements:** [eMedications.04](#_eMedications.04)

**JIRA ticket:** [NEMPUB-40](https://jira.utahdcc.org/jira/browse/NEMPUB-40)

## DateOfBirth

**Move to commonTypes**

**Description:** Used in multiple elements which necessitates the definition being in commonTypes.

## DBP

**Change pattern**

**Old:** [5][0][0]|1-4][0-9][0-9]|[0]|[1-9][0-9]|P|p

**New:** [5][0][0]|1-4][0-9][0-9]|[0-9]|[1-9][0-9]|P|p

**Impacted elements:** eVitals.07

**JIRA ticket:** [NEMPUB-29](https://jira.utahdcc.org/jira/browse/NEMPUB-29)

## EMSCaregiverLevel

**Add, remove, and change values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| 2009 Advanced Emergency Medical Technician (AEMT) | 9905001 |
| 2009 Emergency Medical Responder (EMR) | 9905003 |
| 2009 Emergency Medical Technician (EMT) | 9905005 |
| 2009 Paramedic | 9905007 |
| EMT-Basic | 9905009 |
| EMT-Intermediate | 9905011 |
| EMT-Paramedic | 9905013 |
| First Responder | 9905015 |
| Other Healthcare Professional | 9905019 |
| Other Non-Healthcare Professional | 9905021 |
| Patient/Lay Person | 9905023 |
| Physician | 9905025 |
| Respiratory Therapist | 9905027 |
| Student | 9905029 |
| Critical Care Paramedic | 9905031 |
| Community Paramedicine | 9905033 |
| Nurse Practitioner | 9905035 |
| Physician Assistant | 9905037 |
| Licensed Practical Nurse (LPN) | 9905039 |
| Registered Nurse | 9905041 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Advanced Emergency Medical Technician (AEMT) | 9905001 |
| Emergency Medical Technician – Intermediate | 9905002 |
| Emergency Medical Responder (EMR) | 9905003 |
| Emergency Medical Technician (EMT) | 9905005 |
| Paramedic | 9905007 |
| Other Healthcare Professional | 9905019 |
| Other Non-Healthcare Professional | 9905021 |
| Physician | 9905025 |
| Respiratory Therapist | 9905027 |
| Student | 9905029 |
| Critical Care Paramedic | 9905031 |
| Community Paramedicine | 9905033 |
| Nurse Practitioner | 9905035 |
| Physician Assistant | 9905037 |
| Licensed Practical Nurse (LPN) | 9905039 |
| Registered Nurse | 9905041 |
| Patient | 9905043 |
| Lay Person | 9905045 |
| Law Enforcement | 9905047 |
| Family Member | 9905049 |
| Fire Personnel (non EMS) | 9905051 |

**Impacted Elements:** eMedications.10, eProcedures.10

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14), [NEMPUB-60](https://jira.utahdcc.org/jira/browse/NEMPUB-60)

## Gender

**Add values**

**Description:** Added value “Female-to-Male, Transgender Male” with code 9906007

Added value “Male-to-Female, Transgender Female” with code 9906009

Added value “Other, neither exclusively male or female” with code 9906011

**Impacted Elements:** [ePatient.13](#_ePatient.13), [dPersonnel.12](#_dPersonnel.12)

**JIRA ticket:** [NEMPUB-9](https://jira.utahdcc.org/jira/browse/NEMPUB-9)

## HospitalDesignation

**Add and remove values**

**Description:** Removed value “Stroke Center” with code 9908017

Added value “Stroke-Acute Stroke Ready Hospital (ASRH)” with code 9908037

Added value “Stroke-Primary Stroke Center (PSC)” with code 9908039

Added value “Stroke-Thrombectomy-Capable Stroke Center (TSC)” with code 9908041

Added value “Stroke-Comprehensive Stroke Center (CSC)” with code 9908043

Added value “Cancer Center” with code 9908045

Added value “Labor and Delivery” with code 9908047

**Impacted Elements:** [dFacility.04](#_dFacility.04), eDisposition.23

**JIRA ticket:** [NEMPUB-15](https://jira.utahdcc.org/jira/browse/NEMPUB-15), [NEMPUB-16](https://jira.utahdcc.org/jira/browse/NEMPUB-16), [NEMPUB-89](https://jira.utahdcc.org/jira/browse/NEMPUB-89)

## icd10Code

**Change pattern**

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

**New:** [A-Z][0-9][0-9A-Z]((\.[0-9A-Z]{1,4})?)

**Impacted Elements:** [eOutcome.10](#_eOutcome.10), [eOutcome.13](#_eOutcome.13), ePayment.51

**JIRA ticket:** [NEMPUB-6](https://jira.utahdcc.org/jira/browse/NEMPUB-6)

## icd10CodeOutcomeDiagnosis

**Remove enumeration**

**Description:** Type is made redundant by the change made to icd10Code above. References were changed to icd10Code.

**Impacted Elements:** [eOutcome.13](#_eOutcome.13)

**JIRA ticket:** [NEMPUB-6](https://jira.utahdcc.org/jira/browse/NEMPUB-6)

## ImmunizationType

**Add value**

**Description:** Added value “None” with code 9910053

**Impacted Elements:** [eHistory.10](#_eHistory.10)

**JIRA ticket:** [NEMPUB-11](https://jira.utahdcc.org/jira/browse/NEMPUB-11)

## LicensureLevels

**SimpleType Removed**

**Impacted Elements:** [dConfiguration.02](#_dConfiguration.02)

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14), [NEMPUB-278](https://jira.utahdcc.org/jira/browse/NEMPUB-278)

## Medication

**Change constraints**

**Old:** maxLength=7

**New:** maxLength=9

**Impacted Elements:** [eMedications.03](#_eMedications.03), [dConfiguration.09](#_dConfiguration.09), [sConfiguration.05](#_sConfiguration)

**JIRA ticket:** [NEMPUB-180](https://jira.utahdcc.org/jira/browse/NEMPUB-180), [NEMPUB-186](https://jira.utahdcc.org/jira/browse/NEMPUB-186)

## PN

**Add values**

**Description:** Added value “Not Immunized” with code 8801025

Added value “Order Criteria Not Met” with code 8801027

Added value “Approximate” with code 8801029

Added value “Symptom Not Present” with code 8801031

**Impacted Elements:** [eHistory.10](#_eHistory.10), [eProcedures.03](#_eProcedures.03), [eMedications.03](#_eMedications.03), [eSituation.01](#_eSituation.01), [eSituation.10](#_eSituation.10)

**JIRA ticket:** [NEMPUB-12](https://jira.utahdcc.org/jira/browse/NEMPUB-12), [NEMPUB-11](https://jira.utahdcc.org/jira/browse/NEMPUB-11), [NEMPUB-13](https://jira.utahdcc.org/jira/browse/NEMPUB-13), [NEMPUB-41](https://jira.utahdcc.org/jira/browse/NEMPUB-41), [NEMPUB-178](https://jira.utahdcc.org/jira/browse/NEMPUB-178), [NEMPUB-179](https://jira.utahdcc.org/jira/browse/NEMPUB-179)

## StateCertificationLicensureLevels

**Add, remove, and change values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| 2009 Advanced Emergency Medical Technician (AEMT) | 9917001 |
| 2009 Emergency Medical Responder (EMR) | 9917003 |
| 2009 Emergency Medical Technician (EMT) | 9917005 |
| 2009 Paramedic | 9917007 |
| EMT-Basic | 9917009 |
| EMT-Intermediate | 9917011 |
| EMT-Paramedic | 9917013 |
| First Responder | 9917015 |
| Physician | 9917019 |
| Critical Care Paramedic | 9917021 |
| Community Paramedicine | 9917023 |
| Nurse Practitioner | 9917025 |
| Physician Assistant | 9917027 |
| Licensed Practical Nurse (LPN) | 9917029 |
| Registered Nurse | 9917031 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Advanced Emergency Medical Technician (AEMT) | 9917001 |
| Emergency Medical Technician – Intermediate | 9917002 |
| Emergency Medical Responder (EMR) | 9917003 |
| Emergency Medical Technician (EMT) | 9917005 |
| Paramedic | 9917007 |
| Physician | 9917019 |
| Critical Care Paramedic | 9917021 |
| Community Paramedicine | 9917023 |
| Nurse Practitioner | 9917025 |
| Physician Assistant | 9917027 |
| Licensed Practical Nurse (LPN) | 9917029 |
| Registered Nurse | 9917031 |

**Impacted Elements:** dAgency.11, dVehicle.05

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14)

## UUID

**New enumeration**

**Description:** Used as an attribute for several groups and elements.

Definition: “A universally unique identifier used to track persistent objects over time.”

Pattern: “[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[1-5][a-fA-F0-9]{3}-[89abAB][a-fA-F0-9]{3}-[a-fA-F0-9]{12}”

**Impacted Elements:** [dAgency.AgencyServiceGroup](#_dAgency.AgencyServiceGroup), [dAgency.AgencyYearGroup](#_dAgency.AgencyYearGroup), [dContact.ContactInfoGroup](#_dContact.ContactInfoGroup), [dConfiguration.ConfigurationGroup](#_dConfiguration.ConfigurationGroup), [dConfiguration.ProcedureGroup](#_dConfiguration.ProcedureGrouo), [dConfiguration.MedicationGroup](#_dConfiguration.MedicationGroup), [dLocation.LocationGroup](#_dLocation.LocationGroup), [dVehicle.VehicleGroup](#_dVehicle.VehicleGroup), [dVehicle.VehicleCertificationLevelsGroup](#_dVehicle.VehicleCertificationLevels), [dVehicle.YearGroup](#_dVehicle.YearGroup), [dPersonnel.PersonnelGroup](#_dPersonnel.PersonnelGroup), [dPersonnel.ImmunizationsGroup](#_dPersonnel.ImmunizationsGroup), [dPersonnel.LicensureGroup](#_dPersonnel.LicensureGroup), [dPersonnel.CertificationLevelGroup](#_dPersonnel.CertificationLevelGroup), [dDevice.DeviceGroup](#_dDevice.DeviceGroup), [dFacilityGroup](#_dFacilityGroup), [dFacility.FacilityGroup](#_dFacility.FacilityGroup)

**JIRA ticket:** [NEMPUB-150](https://jira.utahdcc.org/jira/browse/NEMPUB-150), [NEMPUB-292](https://jira.utahdcc.org/jira/browse/NEMPUB-292)

## MemberLevel

**Add, remove, and change values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| 2009 Advanced Emergency Medical Technician (AEMT) | 9925001 |
| 2009 Emergency Medical Responder (EMR) | 9925003 |
| 2009 Emergency Medical Technician (EMT) | 9925005 |
| 2009 Paramedic | 9925007 |
| First Responder | 9925013 |
| EMT-Basic | 9925015 |
| EMT-Intermediate | 9925017 |
| EMT-Paramedic | 9925019 |
| Other Healthcare Professional | 9925023 |
| Other Non-Healthcare Professional | 9925025 |
| Physician | 9925027 |
| Respiratory Therapist | 9925029 |
| Student | 9925031 |
| Critical Care Paramedic | 9925033 |
| Community Paramedicine | 9925035 |
| Nurse Practitioner | 9925037 |
| Physician Assistant | 9925039 |
| Licensed Practical Nurse (LPN) | 9925041 |
| Registered Nurse | 9925043 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Advanced Emergency Medical Technician (AEMT) | 9925001 |
| Emergency Medical Technician – Intermediate | 9925002 |
| Emergency Medical Responder (EMR) | 9925003 |
| Emergency Medical Technician (EMT) | 9925005 |
| Paramedic | 9925007 |
| Other Healthcare Professional | 9925023 |
| Other Non-Healthcare Professional | 9925025 |
| Physician | 9925027 |
| Respiratory Therapist | 9925029 |
| Student | 9925031 |
| Critical Care Paramedic | 9925033 |
| Community Paramedicine | 9925035 |
| Nurse Practitioner | 9925037 |
| Physician Assistant | 9925039 |
| Licensed Practical Nurse (LPN) | 9925041 |
| Registered Nurse | 9925043 |

**Impacted Elements:** eCrew.02, [dPersonnel.24](#_dPersonnel.24)

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14)

## FacilityCode

**Moved to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## FacilityDepartment

**Moved to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## FacilityName

**Move to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## FacilityRoom

**Move to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## TypeOfFacility

**Move to commonTypes, add values**

**Description:** Moved to commonTypes to support changes to StateDataSet

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Assisted Living Facility | 1701001 |
| Clinic | 1701003 |
| Hospital | 1701005 |
| Nursing Home | 1701007 |
| Other | 1701009 |
| Urgent Care | 1701011 |
| Rehabilitation Facility | 1701013 |
| Mental Health Facility | 1701015 |
| Dialysis Center | 1701017 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Assisted Living Facility | 1701001 |
| Clinic | 1701003 |
| Hospital | 1701005 |
| Nursing Home | 1701007 |
| Other | 1701009 |
| Urgent Care | 1701011 |
| Physical Rehabilitation Facility | 1701013 |
| Mental Health Facility | 1701015 |
| Dialysis Center | 1701017 |
| Diagnostic Services | 1701019 |
| Freestanding Emergency Department | 1701021 |
| Morgue/Mortuary | 1701023 |
| Police/Jail | 1701025 |
| Other EMS Responder (air) | 1701027 |
| Other EMS Responder (ground) | 1701029 |
| Other Recurring Care Center | 1701031 |
| Drug and/or Alcohol Rehabilitation Facility | 1701033 |
| Skilled Nursing Facility | 1701035 |

**Impacted Elements:** dFacility.01, [sFacility.01](#_sFacility)

**JIRA ticket:** [NEMPUB-144](https://jira.utahdcc.org/jira/browse/NEMPUB-144)

## SoftwareCreator

**Move to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## SoftwareName

**Move to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## SoftwareVersion

**Move to commonTypes**

**Description:** Moved to commonTypes to support changes to StateDataSet

## CustomDefinition

***Critical Patch:* Change constraints**

**Descirption:** The minLength constraint was changed from 0 to 2.

**Impacted Elements:** eCustomConfiguration.02, dCustomConfiguration.02, seCustomConfiguration.02, sdCustomConfiguration.02

**JIRA ticket:** [NEMPUB-320](https://jira.utahdcc.org/jira/browse/NEMPUB-320)

## CorrelationId

***Critical Patch:* Change constraints**

**Description:** The minLength constraint was changed from 0 to 2.

**Impacted Elements**: All elements marked in the data dictionary with “C”

**JIRA ticket:** [NEMPUB-322](https://jira.utahdcc.org/jira/browse/NEMPUB-322)

Bug fixes in CP#2 to apply changes to National-Only XSDs so they will match with full XSDs.

# dAgency

## dAgency.15

**Demote national element**

**Old:** National: Yes

Usage: Mandatory

NV: No

Recurrence: 1:1

Nillable: No

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

Nillable: Yes

**JIRA ticket:** [NEMPUB-70](https://jira.utahdcc.org/jira/browse/NEMPUB-70)

## dAgency.16

**Demote national element**

**Old:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

Removed extra definition tags in XSD.

**JIRA ticket:** [NEMPUB-71](https://jira.utahdcc.org/jira/browse/NEMPUB-71), [NEMPUB-85](https://jira.utahdcc.org/jira/browse/NEMPUB-85)

## dAgency.17

**Demote national element**

**Old:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

Removed extra definition tags in XSD.

**Corresponding Enumeration:** [AnnualAgencyStatistics](#_AnnualAgencyStatistics)

**JIRA ticket:** [NEMPUB-72](https://jira.utahdcc.org/jira/browse/NEMPUB-72), [NEMPUB-85](https://jira.utahdcc.org/jira/browse/NEMPUB-85)

## dAgency.18

**Demote national element**

**Old:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

**JIRA ticket:** [NEMPUB-73](https://jira.utahdcc.org/jira/browse/NEMPUB-73)

## dAgency.19

**Demote national element**

**Old:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

**JIRA ticket:** [NEMPUB-74](https://jira.utahdcc.org/jira/browse/NEMPUB-74)

## dAgency.20

**Demote national element**

**Old:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

**JIRA ticket:** [NEMPUB-75](https://jira.utahdcc.org/jira/browse/NEMPUB-75)

## dAgency.21

**Demote national element**

**Old:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

**JIRA ticket:** [NEMPUB-76](https://jira.utahdcc.org/jira/browse/NEMPUB-76)

## dAgency.AgencyYearGroup

**Add attribute**

**New:** Added required UUID attribute

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-153](https://jira.utahdcc.org/jira/browse/NEMPUB-153)

## dAgency.AgencyServiceGroup

**Add attribute**

**New:** Added required UUID attribute

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-152](https://jira.utahdcc.org/jira/browse/NEMPUB-152)

## AnnualAgencyStatistics

**Change constraints**

**Old:** maxInclusive=4000000

**New:** maxInclusive=400000000

**Impacted Elements:** [dAgency.17](#_dAgency.17)

**JIRA ticket:** [NEMPUB-48](https://jira.utahdcc.org/jira/browse/NEMPUB-48)

# dConfiguration

## dConfiguration.01

**Change name, definition, id, data element comment**

**Old:** Name: State Associated with the Certification/Licensure Levels

Definition: “The state associated with the state certification/licensure levels.”

Comment: “Associated with the state (dAgency.01 – EMS Agency State)….”

**New:** Name: State Associated with this Configuration

Definition: “The state associated with this configuration.”

Comment: “Associated with the state (dAgency.04 – EMS Agency State)…”

**JIRA ticket:** [NEMPUB-250](https://jira.utahdcc.org/jira/browse/NEMPUB-250)

## dConfiguration.02

**Remove element**

**JIRA ticket:** [NEMPUB-113](https://jira.utahdcc.org/jira/browse/NEMPUB-113)

## dConfiguration.03

**Remove element**

**JIRA ticket:** [NEMPUB-110](https://jira.utahdcc.org/jira/browse/NEMPUB-110)

## dConfiguration.04

**Remove element**

**JIRA ticket:** [NEMPUB-111](https://jira.utahdcc.org/jira/browse/NEMPUB-111)

## dConfiguration.05

**Remove element**

**JIRA ticket:** [NEMPUB-112](https://jira.utahdcc.org/jira/browse/NEMPUB-112)

## dConfiguration.ProcedureGroup

**Add attribute**

**Description:** Added required UUID attribute.

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-156](https://jira.utahdcc.org/jira/browse/NEMPUB-156)

## dConfiguration.09

**Change data element comment, add attribute**

**Description:** Added attribute for CodeType to specific the medication code type.

Added a list of allowable SNOMED-CT codes for blood products to comment.

**Corresponding Enumeration:** [CodeType](#_CodeType), [Medication](#_Medication)

**JIRA ticket:** [NEMPUB-186](https://jira.utahdcc.org/jira/browse/NEMPUB-186)

## dConfiguration.MedicationGroup

**Add attribute**

**Description:** Added required UUID attribute.

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-157](https://jira.utahdcc.org/jira/browse/NEMPUB-157)

## dConfiguration.11

**Demote national element**

**Old:** National: Yes

Usage: Mandatory

NV: No

Recurrence: 1:M

Nillable: No

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:M

Nillable: Yes

**JIRA ticket:** [NEMPUB-77](https://jira.utahdcc.org/jira/browse/NEMPUB-77)

## dConfiguration.15

**Demote national element**

**Old:** National: Yes

Usage: Mandatory

NV: No

Recurrence: 1:M

Nillable: No

**New:** National: No

Usage: Recommended

NV: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:M

Nillable: Yes

**JIRA ticket:** [NEMPUB-78](https://jira.utahdcc.org/jira/browse/NEMPUB-78)

## dConfiguration.ConfigurationGroup

**Add attribute**

**Description:** Added required attribute UUID.

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-155](https://jira.utahdcc.org/jira/browse/NEMPUB-155)

# dContact

## dContact.ContactInfoGroup

**Add attribute**

**Description:** Added required attribute UUID.

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-154](https://jira.utahdcc.org/jira/browse/NEMPUB-154)

# dCustom

Trivial change made to element definitions to add periods at the end of sentences.

# dDevice

## dDevice.DeviceGroup

**Add attribute**

**Description:** Added required UUID attribute.

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-166](https://jira.utahdcc.org/jira/browse/NEMPUB-166)

# DEMDataSet

## dState

**Remove section**

**Description:** dState section removed, information now included in StateDataSet

**Impacted Elements:** dState.01

**JIRA ticket:** [NEMPUB-183](https://jira.utahdcc.org/jira/browse/NEMPUB-183)

## dFacility

**Change XSD documentation**

**Old:**  <xs:documentation>Device Information</xs:documentation>

**New:** <xs:documentation>Facility Information</xs:documentation>

**JIRA ticket:** [NEMPUB-185](https://jira.utahdcc.org/jira/browse/NEMPUB-185)

# dFacility

## dFacility.04

**Add data element comment**

**Description:** “Stroke Center classifications based on Joint Commission stroke certification: <https://www.jointcommission.org/facts_about_joint_commission_stroke_certification/>”

**Corresponding Enumeration:** [HospitalDesignation](#_HospitalDesignation)

**JIRA ticket:** [NEMPUB-15](https://jira.utahdcc.org/jira/browse/NEMPUB-15), [NEMPUB-89](https://jira.utahdcc.org/jira/browse/NEMPUB-89)

## dFacility.14

**Change definition**

**Old:** “Facility US National Grid Coordinates”

**New:** “The facility’s US National Grid coordinates.”

## dFacility.15

**Change definition**

**Old:** “Facility phone number”

**New:** “The facility’s phone number”

## dFacility.FacilityGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-168](https://jira.utahdcc.org/jira/browse/NEMPUB-168)

## dFacilityGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-167](https://jira.utahdcc.org/jira/browse/NEMPUB-167)

# dLocation

## dLocation.LocationGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-158](https://jira.utahdcc.org/jira/browse/NEMPUB-158)

# dPersonnel

## dPersonnel.12

**Add data element comment**

**Description:** Added comment to describe new values available, “Code list referenced from: <https://www.healthit.gov/isa/sex-birth-sexual-orientation-and-gender-identity>”

**Corresponding Enumeration:** [Gender](#_Gender)

**JIRA ticket:** [NEMPUB-9](https://jira.utahdcc.org/jira/browse/NEMPUB-9)

## dPersonnel.ImmunizationsGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-163](https://jira.utahdcc.org/jira/browse/NEMPUB-163)

## dPersonnel.LicensureGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-164](https://jira.utahdcc.org/jira/browse/NEMPUB-164)

## dPersonnel.CertificationLevelGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-165](https://jira.utahdcc.org/jira/browse/NEMPUB-165)

## dPersonnel.PersonnelGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-162](https://jira.utahdcc.org/jira/browse/NEMPUB-162)

## dPersonnel.24

**Change data element comment**

**Old:** “Added 2009 EMS Education Levels.

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

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.”

**New:** “The category Emergency Medical Technician - Intermediate includes EMS professionals with an "85" or "99" certification level.

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.”

**Corresponding Enumeration:** [MemberLevel](#_MemberLevel)

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14)

## NationalRegistryCertificaitonLevel

**Add, remove, and change values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| 2009 Advanced Emergency Medical Technician (AEMT) | 1529001 |
| 2009 Emergency Medical Responder (EMR) | 1529003 |
| 2009 Emergency Medical Technician | 1529005 |
| 2009 Paramedic | 1529007 |
| EMT-Basic | 1529009 |
| EMT-Intermediate | 1529011 |
| EMT-Paramedic | 1529013 |
| First Responder | 1529015 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Advanced Emergency Medical Technician (AEMT) | 1529001 |
| Emergency Medical Technician – Intermediate | 1529002 |
| Emergency Medical Responder (EMR) | 1529003 |
| Emergency Medical Technician (EMT) | 1529005 |
| Paramedic | 1529007 |

**Impacted Elements:** dPersonnel.29

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14)

# dVehicle

## dVehicle.05

**Change data element comment**

**Old:** “The new 2009 EMS Educational Levels have been added. The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.”

**New:** “The category Emergency Medical Technician - Intermediate includes EMS professionals with an "85" or "99" certification level.”

**Corresponding Enumeration:** [StateCertificationLicensureLevels](#_StateCertificationLicensureLevels)

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14)

## dVehicle.VehicleGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-159](https://jira.utahdcc.org/jira/browse/NEMPUB-159)

## dVehicle.VehicleCertificationLevelsGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-160](https://jira.utahdcc.org/jira/browse/NEMPUB-160)

## dVehicle.YearGroup

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-161](https://jira.utahdcc.org/jira/browse/NEMPUB-161)

# eAirway

## DeviceConfirmationMethods

**Add value**

**Description:** Added value “Chest Rise” with code 4004021

**Impacted Elements:** eAirway.04

**JIRA ticket:** [NEMPUB-80](https://jira.utahdcc.org/jira/browse/NEMPUB-80)

## TubeDepth

**Change constraint**

**Old:** minInclusive=8

**New:** minInclusive=4

**Impacted Elements:** eAirway.05

**JIRA ticket:** [NEMPUB-175](https://jira.utahdcc.org/jira/browse/NEMPUB-175)

# eArrest

## eArrest.01

**Change data element comment**

**Old:** “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".”

**New:** “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 Any EMS Arrival (includes Transport EMS & Medical First Responders)".

EMS is defined as Emergency Medical Services personnel and Medical First Responder personnel who respond to a medical emergency in an official capacity as part of an organized medical response team. By this definition, physicians, nurses, or paramedics who witness a cardiac arrest and initiate CPR, but are not part of the organized medical response team are characterized as bystanders and are not part of the EMS system.

Medical First Responders are defined as personnel who are dispatched through the 911 system, respond in an official capacity, have the capability and/or training to provide emergency medical care, but are not the designated transporter of the patient. Thus, law enforcement officers who respond in an official capacity to a cardiac arrest, have the capability and/or training to provide emergency medical care (e.g., carry AEDs in their patrol vehicles, hold EMR licensure, are CPR certified, etc.) are considered Medical First Responders for the purposes of this data element.

Responders dispatched through the 911 system with no capability of providing emergency medical care are not considered Medical First Responders. For example, towing and wrecking responding to a vehicle crash, or law enforcement officers who do not provide any emergency medical care would not be considered Medical First Responders.

For States and Local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), “Any EMS Arrival” includes 911 Responders (First Responder or EMS) as defined by CARES in the CARES Data Dictionary.

This NEMSIS data element is used to answer CARES data element #20 Arrest After Arrival of 911 Responder.”

**Corresponding Enumeration:** [CardiacArrest](#_CardiacArrest)

**JIRA ticket:** [NEMPUB-117](https://jira.utahdcc.org/jira/browse/NEMPUB-117)

## eArrest.02

**Change comment**

**Old:** “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>”

**New:** “This element is a component of the Utstein Cardiac Arrest Criteria.”

**Corresponding Enumeration:** [CardiacArrestEtiology](#_CardiacArrestEtiology)

**JIRA ticket:** [NEMPUB-118](https://jira.utahdcc.org/jira/browse/NEMPUB-118)

## eArrest.03

**Change data element comment**

**Old:** “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>”

**New:** “This element is a component of the Utstein Cardiac Arrest Criteria.”

**JIRA ticket:** [NEMPUB-120](https://jira.utahdcc.org/jira/browse/NEMPUB-120)

## eArrest.04

**Remove data element comment**

**Old:** “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>”

**Corresponding Enumeration:** [ArrestWitnessedBy](#_ArrestWitnessedBy)

**JIRA ticket:** [NEMPUB-119](#_eArrest.04)

## eArrest.05

**Remove element**

**JIRA ticket:** [NEMPUB-121](https://jira.utahdcc.org/jira/browse/NEMPUB-121)

## eArrest.06

**Remove element**

**JIRA ticket:** [NEMPUB-122](https://jira.utahdcc.org/jira/browse/NEMPUB-122)

## eArrest.07

**Change data element comment**

**Old:** “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>.”

**New:** “This element is a component of the Utstein Cardiac Arrest Criteria”

**JIRA ticket:** [NEMPUB-124](https://jira.utahdcc.org/jira/browse/NEMPUB-124)

## eArrest.08

**Remove element**

**Corresponding Enumeration:** [WhoUsedAED](#_WhoUsedAED)

**JIRA ticket:** [NEMPUB-125](https://jira.utahdcc.org/jira/browse/NEMPUB-125)

## eArrest.10

**Add element**

**Description:** Previously deprecated element added for Therapeutic Hypothermia by EMS. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**JIRA ticket:** [NEMPUB-129](https://jira.utahdcc.org/jira/browse/NEMPUB-129)

## eArrest.11

**Change data element comment**

**Old:** “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>”

**New:** “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".”

**JIRA ticket:** [NEMPUB-130](https://jira.utahdcc.org/jira/browse/NEMPUB-130)

## eArrest.12

**Change data element comment**

**Old:** “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.”

**New:** “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.”

**JIRA ticket:** [NEMPUB-131](https://jira.utahdcc.org/jira/browse/NEMPUB-131)

## eArrest.13

**Change data element comment**

**Description:** Removed line “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>”

**JIRA ticket:** [NEMPUB-132](https://jira.utahdcc.org/jira/browse/NEMPUB-132)

## eArrest.14

**Change data element comment**

**Description:** Removed line “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>”

**JIRA ticket:** [NEMPUB-133](https://jira.utahdcc.org/jira/browse/NEMPUB-133)

## eArrest.18

**Change data element comment**

**Old:** “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>”

**New:** “Added to better identify the outcome of EMS cardiac arrest patients.”

**JIRA ticket:** [NEMPUB-134](https://jira.utahdcc.org/jira/browse/NEMPUB-134)

## eArrest.20

**New element**

**Description:** Previously deprecated element added for Who First Initiated CPR. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [WhoFirstInitiatedCPR](#_WhoFirstInitiatedCPR)

**JIRA ticket:** [NEMPUB-123](https://jira.utahdcc.org/jira/browse/NEMPUB-123)

## eArrest.21

**New element**

**Description:** Previously deprecated element added for Who First Applied the AED. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Impacted Elements:** [WhoFirstAppliedAED](#_WhoFirstAppliedAED)

**JIRA ticket:** [NEMPUB-126](https://jira.utahdcc.org/jira/browse/NEMPUB-126)

## eArrest.22

**New element**

**Description:** Previously deprecated element added for Who First Defibrillated the Patient. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Impacted Elements:** [WhoFirstDefibrillated](#_WhoFirstDefibrillated)

**JIRA ticket:** [NEMPUB-127](https://jira.utahdcc.org/jira/browse/NEMPUB-127)

## ArrestWitnessedBy

**Change values**

**Old:** Value “Witnessed by Lay Person” with code 3004007

**New:** Value “Witnessed by Bystander” with code 3004007

**Impacted Elements:** [eArrest.04](#_eArrest.04)

**JIRA ticket:** [NEMPUB-119](https://jira.utahdcc.org/jira/browse/NEMPUB-119)

## CardiacArrest

**Change values**

**Old:** Value “Yes, Prior to EMS Arrival” with code 3001003

Value “Yes, After EMS Arrival” with code 3001005

**New:** Value “Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders)” with code 3001003

Value “Yes, After Any EMS Arrival (includes Transport EMS & Medical First Responders)” with code 3001005

**Impacted Elements:** [eArrest.01](#_eArrest.01)

**JIRA ticket:** [NEMPUB-117](https://jira.utahdcc.org/jira/browse/NEMPUB-117)

## CardiacArrestEtiology

**Remove and change values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Cardiac (Presumed) | 3002001 |
| Drowning/Submersion | 3002003 |
| Drug Overdose | 3002005 |
| Electrocution | 3002007 |
| Exsanguination | 3002009 |
| Other | 3002011 |
| Respiratory/Asphyxia | 3002013 |
| Trauma | 3002015 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Cardiac (Presumed) | 3002001 |
| Drowning/Submersion | 3002003 |
| Drug Overdose | 3002005 |
| Electrocution | 3002007 |
| Exsanguination-Medical (Non-Traumatic) | 3002009 |
| Other | 3002011 |
| Respiratory/Asphyxia | 3002013 |
| Traumatic Cause | 3002015 |

**Impacted Elements:** [eArrest.02](#_eArrest.02)

**JIRA ticket:** [NEMPUB-118](https://jira.utahdcc.org/jira/browse/NEMPUB-118), [NEMPUB-274](https://jira.utahdcc.org/jira/browse/NEMPUB-274)

## CPRType

**Add and change values**

**Description:** Changed value “Compressions-Continuous” with code 3009001 to “Compressions-Manual” with same value.

Added value “Compressions-Hands Only CPR” with code 3009021

Added value “Ventilation-with OPA/NPA” with code 3009023

Added value “Ventilation-Advanced Airway Device with code 3009025

Added value “Ventilation-Passive Ventilation with Oxygen” with code 3009027

**Impacted Elements:** eArrest.09

**JIRA ticket:** [NEMPUB-128](https://jira.utahdcc.org/jira/browse/NEMPUB-128)

## WhoProvided

**Remove enumeration**

**Impacted Elements:** eArrest.06

**JIRA ticket:** [NEMPUB-122](https://jira.utahdcc.org/jira/browse/NEMPUB-122)

## WhoFirstInitiatedCPR

**New enumeration**

**Description:** New enumeration that goes with eArrest.20 – Who First Initiated CPR. Please see eArrest.20 in the NEMSIS v3.5.0 Data Dictionary for a full description of values and codes.

**Impacted Elements:** [eArrest.20](#_eArrest.20)

**JIRA ticket:** [NEMPUB-123](https://jira.utahdcc.org/jira/browse/NEMPUB-123)

## WhoUsedAED

**Remove enumeration**

**Impacted Elements:** [eArrest.08](#_eArrest.08)

**JIRA ticket:** [NEMPUB-125](https://jira.utahdcc.org/jira/browse/NEMPUB-125)

## WhoFirstAppliedAED

**New enumeration**

**Description:** New enumeration that goes with eArrest.21 – Who First Applied the AED. Please see eArrest.21 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eArrest.21](#_eArrest.21)

**JIRA ticket:** [NEMPUB-126](https://jira.utahdcc.org/jira/browse/NEMPUB-126)

## WhoFirstDefibrillated

**New enumeration**

**Description:** New enumeration that goes with eArrest.22 – Who First Defibrillated the Patient. Please see eArrest.22 in the NEMSIS v3.5.0 Data Dictionary for a full description of values and codes.

**Impacted Elements:** [eArrest.22](#_eArrest.22)

**JIRA ticket:** [NEMPUB-127](https://jira.utahdcc.org/jira/browse/NEMPUB-127)

# eCrew

## eCrew.03

**Change description**

**Old:** “The role(s) of the role member during response, at scene treatment, and/or transport.”

**New:** “The role(s) of the crew member during response, at scene treatment, and/or transport.”

# eCustom

Trivial change made to some element definitions to add periods at the end of sentences.

# eDevice

Trivial change made to some element definitions to add periods at the end of sentences.

## MedicalDeviceEventType

**Change value**

**Old:** Value “Date Transmitted” with code 4103007

**New:** Value “Data Transmitted” with code 4103007

**Impacted Elements:** eDevice.03

**JIRA ticket:** [NEMPUB-43](https://jira.utahdcc.org/jira/browse/NEMPUB-43)

# eDispatch

Trivial change made to some element definitions to add periods at the end of sentences.

## eDispatch.01

**Change name, definition, id**

**Old:** Name: Complaint Reported by Dispatch

Definition: The complaint dispatch reported to the responding unit.

Id: eDispatch.ComplaintReportedbyDispatch

**New:** Name: Dispatch Reason

Definition: The dispatch reason reported to the responding unit.

Id: eDispatch.DispatchReason

**Corresponding enumeration:** [DispatchReason](#_DispatchReason_(previously_Complain)

**JIRA ticket:** [NEMPUB-35](https://jira.utahdcc.org/jira/browse/NEMPUB-35), [NEMPUB-62](https://jira.utahdcc.org/jira/browse/NEMPUB-62)

## DispatchReason

**Rename enumeration, add values**

**Description:** Enumeration renamed to DispatchReason to align with the renamed eDispatch.01 – Dispatch Reason.

Added value “Altered Mental Status” with code 2301085

Added value “Intercept” with code 2301087

Added value “Nausea” with code 2301089

Added value “Vomiting” with code 2301091

**Impacted Elements:** [eDispatch.01](#_eDispatch.01)

**JIRA ticket:** [NEMPUB-35](https://jira.utahdcc.org/jira/browse/NEMPUB-35)

# eDisposition

Trivial change made to some data element comments to improve link functionality. Trivial change made to some element definitions to add periods at the end of sentences.

## eDisposition.12

**Remove element**

**Description:** This element was removed and replaced with five new elements.

**Corresponding Enumeration:** [IncidentPatientDisposition](#_IncidentPatientDisposition)

**JIRA ticket:** [NEMPUB-138](https://jira.utahdcc.org/jira/browse/NEMPUB-138)

## eDisposition.IncidentDispositionGroup

**New group**

**Description:** Group added to hold the five new eDisposition elements. Please see the NEMSIS v3.5.0 Data Dictionary complete details.

**Impacted Elements:** [eDisposition.27](#_eDisposition.27), [eDisposition.28](#_eDisposition.28), [eDisposition.29](#_eDisposition.29), [eDisposition.30](#_eDisposition.30), [eDisposition.31](#_eDisposition.31)

**JIRA ticket:** [NEMPUB-90](https://jira.utahdcc.org/jira/browse/NEMPUB-90)

## eDisposition.27

**New element**

**Description:** Element “Unit Disposition” added to replace some of the information previously contained in eDisposition.12. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [UnitDisposition](#_UnitDisposition)

**JIRA ticket:** [NEMPUB-91](https://jira.utahdcc.org/jira/browse/NEMPUB-91)

## eDisposition.28

**New element**

**Description:** Element “Patient Evaluation/Care” added to replace some of the information previously contained in eDisposition.12. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [PatientEvaluationCare](#_PatientEvaluationCare)

**JIRA ticket:** [NEMPUB-92](https://jira.utahdcc.org/jira/browse/NEMPUB-92)

## eDisposition.29

**New element**

**Description:** Element “Crew Disposition” added to replace some of the information previously contained in eDisposition.12. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

***Critical Patch:*** Revised data element comments to remove reference to a “Referral Agency”

**Corresponding Enumeration:** [CrewDisposition](#_CrewIncidentDisposition)

**JIRA ticket:** [NEMPUB-93](https://jira.utahdcc.org/jira/browse/NEMPUB-93), [NEMPUB-288](https://jira.utahdcc.org/jira/browse/NEMPUB-288), [NEMPUB-318](https://jira.utahdcc.org/jira/browse/NEMPUB-318)

## eDisposition.30

**New element**

**Description:** Element “Transport Disposition” added to replace some of the information previously contained in eDisposition.12. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [TransportDisposition](#_TransportDisposition)

**JIRA ticket:** [NEMPUB-94](https://jira.utahdcc.org/jira/browse/NEMPUB-94)

## eDisposition.31

**New element**

**Description:** Element “Reason for Refusal/Release” added to replace some of the information previously contained in eDisposition.12. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

***Critical Patch:*** Added CorrelationId attribute.

**Corresponding Enumeration:** [ReasonForRefusalRelease](#_ReasonForRefusalRelease)

**JIRA ticket:** [NEMPUB-95](https://jira.utahdcc.org/jira/browse/NEMPUB-95), [NEMPUB-317](https://jira.utahdcc.org/jira/browse/NEMPUB-317)

## eDisposition.13

**Change description**

**Old:** “The method the patient was moved to the ambulance from the scene”

**New:** “The method by which the patient was moved to the ambulance from the scene.”

## eDisposition.15

**Change name, definition, id, recurrence**

**Old:** Name: How Patient Was Transported From Ambulance

Definition: The method the patient was moved from the ambulance to the destination

Id: eDisposition.HowPatientWasTransportedFromAmbulance

Recurrence: 0:1

**New:** Name: How Patient Was Moved From Ambulance

Definition: The method by which the patient was moved from the ambulance to the destination.

Id: eDisposition.HowPatientWasMovedFromAmbulance

Recurrence: 0:M

***Critical Patch:*** Added CorrelationId attribute.

**JIRA ticket:** [NEMPUB-47](https://jira.utahdcc.org/jira/browse/NEMPUB-47), [NEMPUB-317](https://jira.utahdcc.org/jira/browse/NEMPUB-317)

## eDisposition.16

**Change definition**

**Old:** “Transport method by this EMS Unit”

**New:** “The method of transport by this EMS Unit”

## eDisposition.19

**Change data element comment**

**Old:** “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>”

**New:** “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.

"Non-Acute/Routine" added for use with patients with no clinical issues-such as a refusal for a life assist-or for routine transfers. "Dead with Resuscitation Efforts (Black)" added for EMS units that arrived and provided resuscitation to a critical patient, but who was deceased at the end of the event (such as in a cardiac arrest).”

**JIRA ticket:** [NEMPUB-142](https://jira.utahdcc.org/jira/browse/NEMPUB-142)

## eDisposition.20

**Change data element comment**

**Old:** “Required if Patient Transported”

**New:** “Required if the patient was transported.”

## eDisposition.23

**Change recurrence, data element comment**

**Old:** Recurrence: 1:1

Comment: “To be documented when eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.”

**New:** Recurrence: 1:M

Comment: “To be documented when eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.

Stroke Center classifications based on Join Commission stroke certification: <https://www.jointcommission.org/facts_about_joint_commission_stroke_certification/>”

***Critical Patch:*** Added CorrelationId attribute.

**Corresponding Enumeration:** [HospitalDesignation](#_HospitalDesignation)

**JIRA ticket:** [NEMPUB-16](https://jira.utahdcc.org/jira/browse/NEMPUB-16), [NEMPUB-98](https://jira.utahdcc.org/jira/browse/NEMPUB-98), [NEMPUB-317](https://jira.utahdcc.org/jira/browse/NEMPUB-317)

## eDisposition.32

**New element**

**Description:** New element “Level of Care Provided per Protocol” added. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [LevelOfCareProvidedPerProtocol](#_LevelOfCareProvidedPerProtocol)

**JIRA ticket:** [NEMPUB-146](https://jira.utahdcc.org/jira/browse/NEMPUB-146)

## HospitalInPatientDestination

**Change value**

**Description:** Value changed for “Labor and Delivery” (code 4222015) to remove the & symbol.

**Impacted Elements:** eDisposition.22

**JIRA ticket:** [NEMPUB-57](https://jira.utahdcc.org/jira/browse/NEMPUB-57), [NEMPUB-290](https://jira.utahdcc.org/jira/browse/NEMPUB-290)

## IncidentPatientDisposition

**Remove enumeration**

**Description:** Corresponding element eDisposition.12 removed.

**Impacted Elements:** [eDisposition.12](#_eDisposition.12)

**JIRA ticket:** [NEMPUB-138](https://jira.utahdcc.org/jira/browse/NEMPUB-138)

## TypeOfDestination

**Add, change, and remove values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Home | 4221001 |
| Hospital-Emergency Department | 4221003 |
| Hospital-Non-Emergency Department | 4221005 |
| Medical Office/Clinic | 4221007 |
| Morgue/Mortuary | 4221009 |
| Nursing Home/Assisted Living Facility | 4221011 |
| Other | 4221013 |
| Other EMS Responder (air) | 4221015 |
| Other EMS Responder (ground) | 4221017 |
| Police/Jail | 4221019 |
| Urgent Care | 4221021 |
| Freestanding Emergency Department | 4221023 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Home | 4221001 |
| Hospital-Emergency Department | 4221003 |
| Hospital-Non-Emergency Department | 4221005 |
| Clinic | 4221007 |
| Morgue/Mortuary | 4221009 |
| Other | 4221013 |
| Other EMS Responder (air) | 4221015 |
| Other EMS Responder (ground) | 4221017 |
| Police/Jail | 4221019 |
| Urgent Care | 4221021 |
| Freestanding Emergency Department | 4221023 |
| Dialysis Center | 4221025 |
| Diagnostic Services | 4221027 |
| Assisted Living Facility | 4221029 |
| Mental Health Facility | 4221031 |
| Nursing Home | 4221033 |
| Other Recurring Care Center | 4221035 |
| Physical Rehabilitation Facility | 4221037 |
| Drug and/or Alcohol Rehabilitation Facility | 4221039 |
| Skilled Nursing Facility | 4221041 |

**Impacted Elements:** eDisposition.21

**JIRA ticket:** [NEMPUB-143](https://jira.utahdcc.org/jira/browse/NEMPUB-143)

## FinalPatientAcuity

**Add values**

**Description:** Added value “Dead with Resuscitation Efforts (Black)” with code 4219009

Added value “Non-Acute/Routine” with code 4219011

**Impacted Elements:** [eDisposition.19](#_eDisposition.19)

**JIRA ticket:** [NEMPUB-32](https://jira.utahdcc.org/jira/browse/NEMPUB-32), [NEMPUB-142](https://jira.utahdcc.org/jira/browse/NEMPUB-142)

## UnitDisposition

**New enumeration**

**Description:** New enumeration that goes with eDisposition.27 – Unit Disposition. Please see eDisposition.27 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eDisposition.27](#_eDisposition.27)

**JIRA ticket:** [NEMPUB-91](https://jira.utahdcc.org/jira/browse/NEMPUB-91)

## PatientEvaluationCare

**New enumeration**

**Description:** New enumeration that goes with eDisposition.28 – Patient Evaluation/Care. Please see eDisposition.28 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eDisposition.28](#_eDisposition.28)

**JIRA ticket:** [NEMPUB-92](https://jira.utahdcc.org/jira/browse/NEMPUB-92)

## CrewDisposition

**New enumeration**

**Description:** New enumeration that goes with eDisposition.29 – Crew Disposition. Please see eDisposition.29 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eDisposition.29](#_eDisposition.29)

**JIRA ticket:** [NEMPUB-93](https://jira.utahdcc.org/jira/browse/NEMPUB-93), [NEMPUB-288](https://jira.utahdcc.org/jira/browse/NEMPUB-288)

## TransportDisposition

**New enumeration**

**Description:** New enumeration that goes with eDisposition.30 – Transport Disposition. Please see eDisposition.30 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eDisposition.30](#_eDisposition.30)

**JIRA ticket:** [NEMPUB-94](https://jira.utahdcc.org/jira/browse/NEMPUB-94)

## ReasonForRefusalRelease

**New enumeration**

**Description:** New enumeration that goes with eDisposition.31 – Reason for Refusal/Release. Please see eDisposition.31 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eDisposition.31](#_eDisposition.31)

**JIRA ticket:** [NEMPUB-95](https://jira.utahdcc.org/jira/browse/NEMPUB-95)

## LevelOfCareProvidedPerProtocol

**New enumeration**

**Description:** New enumeration that goes with eDisposition.32 – Level of Care Provided per Protocol. Please see eDisposition.32 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eDisposition.32](#_eDisposition.32)

**JIRA ticket:** [NEMPUB-146](https://jira.utahdcc.org/jira/browse/NEMPUB-146)

## DestinationPreArrivalActivation

**Add value**

**Description:** Added value “Yes-Sepsis” with code 4224019

**Impacted Elements:** eDisposition.24

**JIRA ticket:** [NEMPUB-283](https://jira.utahdcc.org/jira/browse/NEMPUB-283)

# eExam

Trivial change made to some element definitions to add periods at the end of sentences.

## eExam.08

**Remove element**

**Description:** Element was removed and split into multiple elements.

**JIRA ticket:** [NEMPUB-52](https://jira.utahdcc.org/jira/browse/NEMPUB-52)

## eExam.LungGroup

**New group**

**Description:** New group added to hold the new lung elements.

**Impacted Elements:** [eExam.22](#_eExam.22), [eExam.23](#_eExam.23)

**JIRA ticket:** [NEMPUB-52](https://jira.utahdcc.org/jira/browse/NEMPUB-52)

## eExam.22

**New element**

**Description:** New element added for Lung Assessment Finding Location. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [LungAssessmentLocation](#_LungAssessmentLocation)

**JIRA ticket:** [NEMPUB-66](https://jira.utahdcc.org/jira/browse/NEMPUB-66)

## eExam.23

**New element**

**Description:** New element added for Lung Assessment. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [LungAssessment](#_LungAssessment)

**JIRA ticket:** [NEMPUB-67](https://jira.utahdcc.org/jira/browse/NEMPUB-67)

## eExam.ChestGroup

**New group**

**Description:** New group added to hold the new chest elements.

**Impacted Elements:** [eExam.24](#_eExam.24), [eExam.25](#_eExam.25)

**JIRA ticket:** [NEMPUB-52](https://jira.utahdcc.org/jira/browse/NEMPUB-52)

## eExam.24

**New element**

**Description:** New element added for Chest Assessment Finding Location. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [ChestAssessmentLocation](#_ChestAssessmentLocation)

**JIRA ticket:** [NEMPUB-68](https://jira.utahdcc.org/jira/browse/NEMPUB-68)

## eExam.25

**New element**

**Description:** New element added for Chest Assessment. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [ChestAssessment](#_ChestAssessment)

**JIRA ticket:** [NEMPUB-69](https://jira.utahdcc.org/jira/browse/NEMPUB-69)

## ChestLungsAssessment

**Remove enumeration**

**Description:** Corresponding element eExam.08 was removed.

**Impacted Elements:** [eExam.08](#_eExam.08)

**JIRA ticket:** [NEMPUB-52](https://jira.utahdcc.org/jira/browse/NEMPUB-52)

## EyesAssessment

**Add values**

**Description:** Added value “Dilated” with code 3518061

Added value “Pin Point” with code 3518063

**Impacted Elements:** eExam.18

**JIRA ticket:** [NEMPUB-49](https://jira.utahdcc.org/jira/browse/NEMPUB-49)

## ExtremityAssessmentLocation

**Add and change values**

**Old:** Value “Forearm-Left” with code 3515037

Value “Forearm-Right” with code 3515039

**New:** Value “Arm-Lower-Left” with code 3515037

Value “Arm-Lower-Right” with code 3515039

Added value “Arm-Whole Arm and Hand-Left” with code 3515097

Added value “Arm-Whole Arm and Hand-Right” with code 3515099

Added value “Hand-Whole Hand-Left” with code 3515101

Added value “Hand-Whole Hand-Right” with code 3515103

Added value “Leg-Whole Leg-Left” with code 3515105

Added value “Leg-Whole Leg-Right” with code 3515107

Added value “Foot-Whole Foot-Left” with code 3515109

Added value “Foot-Whole Foot-Right” with code 3515111

**Impacted Elements:** eExam.15

**JIRA ticket:** [NEMPUB-21](https://jira.utahdcc.org/jira/browse/NEMPUB-21)

## MentalStatusAssessment

**Add and remove values**

**Description:** Removed value “Pharmacologically Sedated/Paralyzed” with code 3519019

Added value “Altered mental status, unspecified” with code 3519029

Added value “Developmentally Impaired” with code 3519031

Added value “Disorientation, unspecified” with code 3519033

Added value “Pharmacologically Paralyzed” with code 3519035

Added value “Pharmacologically Sedated” with code 3519037

Added value “Psychologically Impaired” with code 3519039

Added value “Slowness and poor responsiveness” with code 3519041

Added value “State of emotional shock and stress, unspecified” with code 3519043

Added value “Strange and inexplicable behavior” with code 3519045

Added value “Uncooperative” with code 3519047

Added value “Unspecified coma” with code 3519049

**Impacted Elements:** eExam.19

**JIRA ticket:** [NEMPUB-25](https://jira.utahdcc.org/jira/browse/NEMPUB-25), [NEMPUB-53](https://jira.utahdcc.org/jira/browse/NEMPUB-53)

## NeurologicalAssessment

**Add and remove values**

**Description:** Remove value “Seizure” with code 3520025

Added value “Status Seizure” with code 3520026

Added value “Other Seizures” with code 3520055

**Impacted Elements:** eExam.20

**JIRA ticket:** [NEMPUB-3](https://jira.utahdcc.org/jira/browse/NEMPUB-3)

## LungAssessmentLocation

**New enumeration**

**Description:** New enumeration that goes with eExam.22 – Lung Assessment Finding Location. Please see eExam.22 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eExam.22](#_eExam.22)

**JIRA ticket:** [NEMPUB-66](https://jira.utahdcc.org/jira/browse/NEMPUB-66)

## LungAssessment

**New enumeration**

**Description:** New enumeration that goes with eExam.23 – Lung Assessment. Please see eExam.23 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eExam.23](#_eExam.23)

**JIRA ticket:** [NEMPUB-67](https://jira.utahdcc.org/jira/browse/NEMPUB-67)

## ChestAssessmentLocation

**New enumeration**

**Description:** New enumeration that goes with eExam.24 – ChestAssessment Finding Location. Please see eExam.24 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eExam.24](#_eExam.24)

**JIRA ticket:** [NEMPUB-68](https://jira.utahdcc.org/jira/browse/NEMPUB-68)

## ChestAssessment

**New enumeration**

**Description:** New enumeration that goes with eExam.24 – Chest Assessment. Please see eExam.24 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eExam.25](#_eExam.25)

**JIRA ticket:** [NEMPUB-69](https://jira.utahdcc.org/jira/browse/NEMPUB-69)

# eHistory

Trivial change made to some data element comments to improve link functionality. Trivial change made to some element definitions to add periods at the end of sentences.

## eHistory.10

**Add PN**

**Description:** Added new PN “Not Immunized” to this element.

**Impacted Elements:**

**JIRA ticket:** [NEMPUB-11](https://jira.utahdcc.org/jira/browse/NEMPUB-11)

## eHistory.20

**New element**

**Description:** New element added for Current Medication Frequency. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding enumeration:** [CurrentMedicationFrequency](#_CurrentMedicationFrequency)

**JIRA ticket:** [NEMPUB-37](https://jira.utahdcc.org/jira/browse/NEMPUB-37)

## eHistory.17

**Remove PN**

**Description:** Removed PN “Refused” to this element.

**Impacted Elements:** [PN](#_PN), [AlcoholDrugUseIndicators](#_AlcoholDrugUseIndicators)

**JIRA ticket:** [NEMPUB-58](https://jira.utahdcc.org/jira/browse/NEMPUB-58)

## AlcoholDrugUseIndicators

**Add and remove value**

**Description:** Removed value “Smell of Alcohol on Breath” with code 3117011

Added value “Physical Exam Indicates Suspected Alcohol or Drug Use” with code 3117013

**Impacted Elements:** [eHistory.17](#_eHistory.17)

**JIRA ticket:** [NEMPUB-58](https://jira.utahdcc.org/jira/browse/NEMPUB-58)

## BarriersToPatientCare

**Add values**

**Description:** Added value “Alcohol Use, Suspected” with code 3101033

Added value “Drug Use, Suspected” with code 3101035

**Impacted Elements:** eHistory.01

**JIRA ticket:** [NEMPUB-8](https://jira.utahdcc.org/jira/browse/NEMPUB-8)

## CurrentMedicationFrequency

**New enumeration**

**Description:** New enumeration that goes with eHistory.20 – Current Medication Frequency. Please see eHistory.20 in the NEMSIS v3.5.0 Data Dictionary for a full description of the values and codes.

**Impacted Elements:** [eHistory.20](#_eHistory.20)

**JIRA ticket:** [NEMPUB-37](https://jira.utahdcc.org/jira/browse/NEMPUB-37)

# eInjury

Trivial change made to some element definitions to add periods at the end of sentences.

## eInjury.03 Critical Patch 4

**Changed name, definition, comment, v3changes, and added a pertinent negative.**

**Old:** Name: Trauma Triage Criteria (Steps 1 and 2)

Definition: Physiologic and Anatomic Field Trauma Triage Criteria (steps 1 and 2) as defined by the Centers for Disease Control.

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.

V3changes: Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients. Website: <http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf>

**New:** Name: Trauma Triage Criteria (High Risk for Serious Injury)

Definition: Trauma triage criteria for the red boxes (Injury Patterns and Mental Status and Vital Signs) in the 2021 ACS National Guideline for the Field Triage of Injured Patients.

Comment: 2021 National Guidelines for the Field Triage of Injured Patients - Red Criteria (i.e., Injury Patterns, Mental Status & Vital Signs)

V3changes: Revised to represent the 2021 National Guidelines for the Field Triage of Injured Patients - Red Criteria.  Website: <a href="https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/" target="\_blank">[https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/</a](https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/%3c/a)>

Pertinent Negatives: None Reported

**Corresponding enumeration:** [TraumaTriageCriteriaSteps1and2](#_TraumaTriageCriteriaSteps1and2)

**JIRA ticket:** [NEMPUB-414](https://jira.utahdcc.org/jira/browse/NEMPUB-414)

## eInjury.03 Original v3.5.0 Changes

**Change name and id**

**Old:** Name: Trauma Center Criteria

Id: eInjury.TraumaCenterCriteria

**New:** Name: Trauma Triage Criteria (Steps 1 and 2)

Id: eInjury.TraumaTriageCriteriaSteps1and2

**Corresponding enumeration:** [TraumaTriageCriteriaSteps1and2](#_TraumaTriageCriteriaSteps1and2)

**JIRA ticket:** [NEMPUB-30](https://jira.utahdcc.org/jira/browse/NEMPUB-30)

## eInjury.04 Critical Patch 4

**Changed name, definition, comment, v3changes, and added a pertinent negative.**

**Old:** Name: Trauma Triage Criteria (Steps 3 and 4)

Definition: Mechanism and Special Considerations Field Trauma Triage Criteria (steps 3 and 4) as defined by the Centers for Disease Control.

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: <a href="http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf" target="\_blank">http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf</a>

V3changes: >Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients. <br/>Website: <a href="http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf" target="\_blank">http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf</a>

**New:** Name: Trauma Triage Criteria (Moderate Risk for Serious Injury)

Definition: Trauma triage criteria for the yellow boxes (Mechanism of Injury and EMS Judgment) in the 2021 ACS National Guideline for the Field Triage of Injured Patients.

Comment: 2021 National Guidelines for the Field Triage of Injured Patients - Yellow Criteria (i.e., Mechanism of Injury and EMS Judgment)

V3changes: Revised to represent the 2021 National Guidelines for the Field Triage of Injured Patients - Yellow Criteria.  Website: <a href="https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/" target="\_blank">https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines</a>

Pertinent Negatives: None Reported

**Corresponding enumeration:** [TraumaTriageCriteriaSteps3and4](#_TraumaTriageCriteriaSteps3and4)

**JIRA ticket:** [NEMPUB-414](https://jira.utahdcc.org/jira/browse/NEMPUB-414)

## eInjury.04 Original v3.5.0 Changes

**Change name and id**

**Old:** Name: Vehicular, Pedestrian or Other Injury Risk Factor

Id: eInjury.VehicularPedestrianorOtherInjuryRiskFactor

**New:** Name: Trauma Triage Criteria (Steps 3 and 4)

Id: eInjury.TraumaTriageCriteriaSteps3and4

**Corresponding enumeration:** [TraumaTriageCriteriaSteps3and4](#_TraumaTriageCriteriaSteps3and4)

**JIRA ticket:** [NEMPUB-31](https://jira.utahdcc.org/jira/browse/NEMPUB-31)

## UseOfOccupantSafetyEquipment

***Critical Patch:* Add value**

**Description:** A new value, “Unable to Determine” was added with code 2907033.

**Impacted Elements:** eInjury.07

**JIRA ticket:** [NEMPUB-324](https://jira.utahdcc.org/jira/browse/NEMPUB-324)

## TraumaTriageCriteriaSteps1and2 Critical Patch 4

**Add, modify, deprecate values**

**Old:**

|  |  |
| --- | --- |
| 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 fractures |
| 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 year) or need for ventilatory support |
| 2903019 | Systolic Blood Pressure <90 mmHg |
| 2903021 | Two or more proximal long-bone fractures |

**New:**

|  |  |
| --- | --- |
| Code | Description |
| 2903001 | Amputation proximal to wrist or ankle |
| 2903003 | Crushed, degloved, mangled, or pulseless extremity |
| 2903005 | Chest wall instability, deformity, or suspected flail chest |
| 2903007 | Glasgow Coma Score <= 13 (DEPRECATED) |
| 2903009 | Skull deformity, suspected skull fracture |
| 2903011 | Paralysis (DEPRECATED) |
| 2903013 | Suspected pelvic fracture |
| 2903015 | Penetrating injuries to head, neck, torso, and proximal extremities |
| 2903017 | Respiratory Rate <10 or >29 breaths per minute (<20 in infants aged <1 year) or need for ventilatory support (DEPRECATED) |
| 2903019 | Systolic Blood Pressure <90 mmHg (DEPRECATED) |
| 2903021 | Suspected fracture of two or more proximal long bones |
| 2903023 | Active bleeding requiring a tourniquet or wound packing with continuous pressure |
| 2903025 | Age >= 10 years: HR > SBP |
| 2903027 | Age >= 65 years: SBP < 110 mmHg |
| 2903029 | Age 0-9 years: SBP < 70mm Hg + (2 x age in years) |
| 2903031 | Age 10-64 years: SBP < 90 mmHg |
| 2903033 | Respiratory distress or need for respiratory support |
| 2903035 | Room-air pulse oximetry < 90% |
| 2903037 | RR < 10 or > 29 breaths/min |
| 2903039 | Suspected spinal injury with new motor or sensory loss |
| 2903041 | Unable to follow commands (motor GCS < 6) |

**Impacted Elements:** [eInjury.03](#_eInjury.03)

**JIRA ticket:** [NEMPUB-414](https://jira.utahdcc.org/jira/browse/NEMPUB-414)

## TraumaTriageCriteriaSteps1and2 Original v3.5.0 Changes

**Rename enumeration**

**Old:** TraumaCenterCriteria

**New:** TraumaTriageCriteriaSteps1and2

**Description:** Renamed to match changes to eInjury.03 – Trauma Triage Criteria (Steps 1 and 2).

**Impacted Elements:** [eInjury.03](#_eInjury.03)

**JIRA ticket:** [NEMPUB-30](https://jira.utahdcc.org/jira/browse/NEMPUB-30)

## TraumaTriageCriteriaSteps3and4 Critical Patch 4

**Add, modify, deprecate values**

**Old:**

|  |  |
| --- | --- |
| Code | Description |
| 2904001 | Auto v. Pedestrian/Bicyclist Thrown, Run Over, or > 20 MPH Impact |
| 2904003 | Fall Adults: > 20 ft. (one story is equal to 10 ft.) |
| 2904005 | Fall Children: > 10 ft. or 2-3 times the height of the child |
| 2904007 | Crash Death in Same Passenger Compartment |
| 2904009 | Crash Ejection (partial or complete) from automobile |
| 2904011 | Crash Intrusion, including roof: > 12 in. occupant site; > 18 in. any site |
| 2904013 | Crash Vehicle Telemetry Data (AACN) Consistent with High Risk of Injury |
| 2904015 | Motorcycle Crash > 20 MPH |
| 2904017 | SBP < 110 for age > 65 |
| 2904019 | Anticoagulants and Bleeding Disorders |
| 2904021 | Pregnancy > 20 weeks |
| 2904023 | EMS Provider Judgment |
| 2904025 | Burn, without other trauma |
| 2904027 | Burn, with trauma mechanism |

**New:**

|  |  |
| --- | --- |
| Code | Description |
| 2904001 | Pedestrian/bicycle rider thrown, run over, or with significant impact |
| 2904003 | Fall Adults: > 20 ft. (one story is equal to 10 ft.) (DEPRECATED) |
| 2904005 | Fall Children: > 10 ft. or 2-3 times the height of the child (DEPRECATED) |
| 2904007 | Auto Crash: Death in passenger compartment |
| 2904009 | Auto Crash: Partial or complete ejection |
| 2904011 | Auto Crash: Significant intrusion (including roof): >12 inches occupant site; >18 inches any site; need for extrication |
| 2904013 | Auto Crash: Vehicle telemetry data consistent with severe injury |
| 2904015 | Motorcycle Crash > 20 MPH (DEPRECATED) |
| 2904017 | SBP < 110 for age > 65 (DEPRECATED) |
| 2904019 | Anticoagulant use |
| 2904021 | Pregnancy < 20 weeks |
| 2904023 | Other EMS judgment |
| 2904025 | Burn, without other trauma (DEPRECATED) |
| 2904027 | Burns in conjunction with trauma |
| 2904029 | Auto Crash: Child (age 0-9 years) unrestrained or in unsecured child safety seat |
| 2904031 | Fall from height > 10 feet (all ages) |
| 2904033 | Low-level falls in young children (age ≤ 5 years) or older adults (age ≥ 65 years) with significant head impact |
| 2904035 | Rider separated from transport vehicle with significant impact (eg, motorcycle, ATV, horse, etc.) |
| 2904037 | Special, high-resource healthcare needs |
| 2904039 | Suspicion of child abuse |

**Impacted Elements:** [eInjury.04](#_eInjury.04)

**JIRA ticket:** [NEMPUB-414](https://jira.utahdcc.org/jira/browse/NEMPUB-414)

## TraumaTriageCriteriaSteps3and4 Original v3.5.0 Changes

**Rename enumeration**

**Old:** VehicularInjuryIndicators

**New:** TraumaTriageCriteriaSteps3and4

**Description:** Renamed to match changes to eInjury.04 – Trauma Triage Criteria (Steps 3 and 4).

**Impacted Elements:** [eInjury.04](#_eInjury.04)

**JIRA ticket:** [NEMPUB-31](https://jira.utahdcc.org/jira/browse/NEMPUB-31)

# eLabs

Trivial change made to some element definitions to add periods at the end of sentences.

## LaboratoryResultType

**Add values**

**Description:** Added value “ACT Celite (ACTc)” with code 3403115

Added value “ACT Kaolin (ACTk)” with code 3403117

Added value “Bands” with code 3403119

Added value “Basophils” with code 3403121

Added value “Creatine Phosphokinase (CK)” with code 3403123

Added value “Eosinophils” with code 3403125

Added value “Erythrocyte Count” with code 3403127

Added value “Erythrocyte Morphology” with code 3403129

Added value “Erythrocyte Sedimentation Rate” with code 3403131

Added value “High-Sensitivity C-reactive Protein (hs-CRP)” with code 3403133

Added value “Lymphocytes” with code 3403135

Added value “Mean Corpuscular Hemoglobin (MCH)” with code 3403137

Added value “Mean Corpuscular Hemoglobin Concentration (MCHC)” with code 3403139

Added value “Mean Corpuscular Volume (MCV)” with code 3403141

Added value “Monocytes” with code 3403143

Added value “Myoglobin” with code 3403145

Added value “Neutrophils” with code 3403147

Added value “Oxygen Saturation (SaO2)” with code 3403149

Added value “Oxygen Volume/Content (SVO2)” with code 3403151

Added value “Phosphorus (PO4)” with code 3403153

Added value “Rpothromblin test time (PT/INR)” with code 3403155

Added value “Red Cell Distribution Width (RDW)” with code 3403157

Added value “Reticulocyte Count” with code 3403159

Added value “Troporin T (cTnT)” with code 3403161

**Impacted Elements:** eLabs.03

**JIRA ticket:** [NEMPUB-50](https://jira.utahdcc.org/jira/browse/NEMPUB-50)

# eMedications

Trivial change made to some element definitions to add periods at the end of sentences.

## eMedications.03

**Change name, id, definition, data element comment.**

**Add attribute, PN**

**Old:** id: eMedications.MedicationGiven

Name: Medication Given

Definition: The medication given to the patient

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”

**New:** id: eMedications.MedicationAdministered

Name: Medication Administered

Definition: The medication administered to the patient.

Comment:

“List of medications based on RxNorm (RXCUI) code and SNOMED-CT codes for blood products.   
  
Reference the NEMSIS Suggested Lists at: <https://nemsis.org/technical-resources/version-3/version-3-resources/>   
  
RxNorm   
Website - <http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html>   
Product - RxNorm Full Monthly Release   
  
SNOMED-CT   
Website: <http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html>   
Product: Product - UMLS Metathesaurus.   
  
Allowable SNOMED-CT codes are:   
116762002 Administration of blood product   
116795008 Transfusion of cryoprecipitate   
116861002 Transfusion of fresh frozen plasma   
116865006 Administration of albumin   
180208003 Intravenous blood transfusion of platelets   
33389009 Transfusion of whole blood   
71493000 Transfusion of packed red blood cells”

**Description:**  Added the new attribute CodeType to describe whether the code entered for the medication is an RxNorm code, or a SNOMED-CT code for blood products. Added PN “Order Criteria Not Met”

**Corresponding enumeration:** [Medication](#_Medication)

**JIRA ticket:** [NEMPUB-13](https://jira.utahdcc.org/jira/browse/NEMPUB-13), [NEMPUB-54](https://jira.utahdcc.org/jira/browse/NEMPUB-54), [NEMPUB-180](https://jira.utahdcc.org/jira/browse/NEMPUB-180)

## eMedications.04

**Promote national element**

**Old:** National: No

Usage: Optional

NV: No

Nillable: No

Recurrence: 0:1

**New:** National: Yes

Usage: Required

NV: Not Applicable, Not Recorded

Nillable: Yes

Recurrence: 1:1

Pertinent Negatives: Unable To Complete

**Corresponding enumeration:** [CurrentMedicationAdministrationRoute](#_CurrentMedicationAdministrationRout)

**JIRA ticket:** [NEMPUB-116](https://jira.utahdcc.org/jira/browse/NEMPUB-116)

## eMedications.DosageGroup

**Change documentation**

**Description:** Changed usage of the word “given” to “administered” to match the change in eMedications.03

**JIRA ticket:** [NEMPUB-54](https://jira.utahdcc.org/jira/browse/NEMPUB-54)

## eMedications.05

**Change definition**

**Old:** The dose or amount of the medication given to the patient

**New:** The dose or amount of the medication administered to the patient.

**JIRA ticket:** [NEMPUB-54](https://jira.utahdcc.org/jira/browse/NEMPUB-54)

## eMedications.06

**Change definition**

**Old:** The unit of medication dosage given to the patient

**New:** The unit of medication dosage administered to the patient.

**Corresponding Enumeration:** [MedicationDosageUnits](#_MedicationDosageUnits)

**JIRA ticket:** [NEMPUB-45](https://jira.utahdcc.org/jira/browse/NEMPUB-45)

## MedicationDosageUnits

**Remove and add value**

**Description:** Removed value “Liters Per Minute (l/min [fluid])” with code 3706011

Added value “Milligrams per Hour (mg/hr)” with code 3706055

**Impacted Elements:** [eMedications.06](#_eMedications.06)

**JIRA ticket:** [NEMPUB-45](https://jira.utahdcc.org/jira/browse/NEMPUB-45), [NEMPUB-55](https://jira.utahdcc.org/jira/browse/NEMPUB-55)

# EMSDataSet

Trivial change made to some data element comments to improve link functionality. Trivial change made to some element definitions to add periods at the end of sentences.

## eState

**Remove section**

**Description:** eState section removed in v3.5.0

**Impacted Elements:** eState.01

**JIRA ticket:** [NEMPUB-183](https://jira.utahdcc.org/jira/browse/NEMPUB-183)

## PatientCareReport

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** [UUID](#_UUID)

**JIRA ticket:** [NEMPUB-272](https://jira.utahdcc.org/jira/browse/NEMPUB-272)

# eOther

Trivial change made to some element definitions to add periods at the end of sentences.

***Critical Patch:*** Changed top level group for eOther to set minOccurs to 0 in accordance with other changes to this section.

**JIRA ticket:** [NEMPUB-321](https://jira.utahdcc.org/jira/browse/NEMPUB-321)

## eOther.EMSCrewMemberGroup

**Change recurrence**

**Old:** 1:M

**New:** 0:M

**Description:** This change is required by the demotion of eOther.05. No elements in this group have a minimum occurrence of 1, so this group should not have a minimum occurrence of 1.

**JIRA ticket:** [NEMPUB-115](https://jira.utahdcc.org/jira/browse/NEMPUB-115)

## eOther.05

**Demote national element**

**Old:** National: Yes  
 Usage: Required

Recurrence: 1:1

Not Values: Not Applicable, Not Recorded

**New:** National: No

Usage: Recommended

Recurrence: 0:1

Not Values: Not Applicable, Not Recorded, Not Reporting

**Impacted Elements:** [eOther.EMSCrewMemberGroup](#_eOther.EMSCrewMemberGroup)

**JIRA ticket:** [NEMPUB-115](https://jira.utahdcc.org/jira/browse/NEMPUB-115)

## eOther.06

**Change id**

**Old:** eOther.TypeofSuspectedEMSBloodBodyFluidExposureInjuryorDeath

**New:** eOther.TypeOfWorkRelatedInjuryDeathOrSuspectedExposure

**Description:** Changed the id to match the name of the element.

**Corresponding enumeration:** [TypeOfInjuryDeathOrSuspectedExposure](#_TypeOfInjuryDeathOrSuspectedExposur)

**JIRA ticket:** [NEMPUB-27](https://jira.utahdcc.org/jira/browse/NEMPUB-27)

## eOther.22

**New element**

**Description:** New element added for File Attachment Name. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding type:** [FileName](#_FileName)

**JIRA ticket:** [NEMPUB-63](https://jira.utahdcc.org/jira/browse/NEMPUB-63)

## eOther.15

**Change definition**

**Old: “**Indication that a patient or patient representative signature has been collected or attempted to be collected.”

**New: “**Indication that the signature for the Type of Person Signing and Signature Reason has been collected or attempted to be collected.”

**Corresponding Enumeration:** [SignatureStatus](#_SignatureStatus)

**JIRA ticket:** [NEMPUB-56](https://jira.utahdcc.org/jira/browse/NEMPUB-56), [NEMPUB-86](https://jira.utahdcc.org/jira/browse/NEMPUB-86)

## ExternalElectronicDocuments

**Add and remove values**

**Description:** Removed value “DNR/Living Will” with code 4509007

Added value “DNR” with code 4509006

Added value “Living Will” with code 4509008

Added value “ePCR” with code 4509027

**Impacted Elements:** eOther.09

**JIRA ticket:** [NEMPUB-20](https://jira.utahdcc.org/jira/browse/NEMPUB-20)

## FileName

**Change documentation**

**Old:** The name of the graphic file for the signature.

**New:** The name of the attached file.

**Description:** Changed to support the addition of eOther.22 which uses this type.

**Impacted Elements:** eOther.16, [eOther.22](#_eOther.22)

**JIRA ticket:** [NEMPUB-63](https://jira.utahdcc.org/jira/browse/NEMPUB-63)

## SignatureStatus

**Add and remove values**

**Description:** Removed value “Refused” with code 4515029

Added value “Not Signed-Illiterate (Unable to Read)” with code 4515035

Added value “Not Signed-Restrained” with code 4515037

Added value “Not Signed-Combative or Uncooperative” with code 4515039

**Impacted Elements:** [eOther.15](#_eOther.15)

**JIRA ticket:** [NEMPUB-86](https://jira.utahdcc.org/jira/browse/NEMPUB-86)

## SuspectedIntentionalOrUnintentionalDisaster

**Add and change values**

**Description:** Changed value “Weather” to “Weather (Other)” with code 4507027

Added value “Earthquake” with code 4507029

Added value “Flood” with code 4507031

Added value “Land Slide” with code 4507033

Added value “Winter Storm” with code 4507035

Added value “Tornado” with code 4507037

Added value “Hurricane” with code 4507039

**Impacted Elements:** eOther.07

**JIRA ticket:** [NEMPUB-44](https://jira.utahdcc.org/jira/browse/NEMPUB-44)

## TypeOfInjuryDeathOrSuspectedExposure

**Change name, documentation**

**Old:** Name: TypeOfSuspectedExposureToBodilyFluids

Documentation: The type of exposure or unprotected contact with blood or body fluids.

**New:** Name: TypeOfInjuryDeathOrSuspectedExposure

Documentation: The type of injury, death, or exposure to blood or body fluids.

**Description:** Name and documentation for this enumeration were updated to better describe the available value choices.

**Impacted Elements:** [eOther.06](#_eOther.06)

**JIRA ticket:** [NEMPUB-27](https://jira.utahdcc.org/jira/browse/NEMPUB-27)

# eOutcome

Trivial change made to some element definitions to add periods at the end of sentences.

## eOutcome.06

**Remove element**

**JIRA ticket:** [NEMPUB-251](https://jira.utahdcc.org/jira/browse/NEMPUB-251)

## eOutcome.07

**Remove element**

**JIRA ticket:** [NEMPUB-255](https://jira.utahdcc.org/jira/browse/NEMPUB-255)

## eOutcome.08

**Remove element**

**JIRA ticket:** [NEMPUB-252](https://jira.utahdcc.org/jira/browse/NEMPUB-252)

## eOutcome.EmergencyDepartmentProceduresGroup

**New group**

**Description:** New group was created to hold eOutcome.09 – Emergency Department Procedures, and new element eOutcome.19 – Date/Time Emergency Department Procedure Performed.

***Critical Patch:*** Added CorrelationId attribute to this group.

**Impacted Elements:** [eOutcome.09](#_eOutcome.09), [eOutcome.19](#_eOutcome.19)

**JIRA ticket:** [NEMPUB-264](https://jira.utahdcc.org/jira/browse/NEMPUB-264), [NEMPUB-314](https://jira.utahdcc.org/jira/browse/NEMPUB-314)

## eOutcome.09

**Promote to national**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Nillable: No

Recurrence: 0:M

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Nillable: Yes

Recurrence: 0:1

***Critical Patch:*** Removed CorrelationId attribute.

**JIRA ticket:** [NEMPUB-256](https://jira.utahdcc.org/jira/browse/NEMPUB-256), [NEMPUB-314](https://jira.utahdcc.org/jira/browse/NEMPUB-314)

## eOutcome.19

**New element**

**Description:** New element added for Date/Time Emergency Department Procedure Performed. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Impacted Elements:** [eOutcome.EmergencyDepartmentProceduresGroup](#_eOutcome.EmergencyDepartmentProcedu)

**JIRA ticket:** [NEMPUB-264](https://jira.utahdcc.org/jira/browse/NEMPUB-264.)

## eOutcome.10

**Promote to national**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Nillable: No

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Nillable: Yes

**JIRA ticket:** [NEMPUB-257](https://jira.utahdcc.org/jira/browse/NEMPUB-257)

## eOutcome.11

**Promote to national**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Nillable: No

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Nillable: Yes

Recurrence: 0:1

**JIRA ticket:** [NEMPUB-258](https://jira.utahdcc.org/jira/browse/NEMPUB-258)

## eOutcome.HospitalProceduresGroup

**New group**

**Description:** New group was created to hold eOutcome.12 – Hospital Procedures, and new element eOutcome.20 – Date/Time Hospital Procedure Performed.

***Critical Patch:*** Added CorrelationId attribute to this group.

**Impacted Elements:** [eOutcome.12](#_eOutcome.12), [eOutcome.20](#_eOutcome.20)

**JIRA ticket:** [NEMPUB-265](https://jira.utahdcc.org/jira/browse/NEMPUB-265), [NEMPUB-314](https://jira.utahdcc.org/jira/browse/NEMPUB-314)

## eOutcome.12

**Promote to national**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Nillable: No

Recurrence: 0:M

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Nillable: Yes

Recurrence: 0:1

***Critical Patch:*** Removed CorrelationId attribute.

**JIRA ticket:** [NEMPUB-259](https://jira.utahdcc.org/jira/browse/NEMPUB-259), [NEMPUB-314](https://jira.utahdcc.org/jira/browse/NEMPUB-314)

## eOutcome.20

**New element**

**Description:** New element added for Date/Time Hospital Procedure Performed. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Impacted Elements:** [eOutcome.HospitalProceduresGroup](#_eOutcome.HospitalProceduresGroup)

**JIRA ticket:** [NEMPUB-265](https://jira.utahdcc.org/jira/browse/NEMPUB-265)

## eOutcome.13

**Promote to national**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Nillable: No

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Nillable: Yes

**JIRA ticket:** [NEMPUB-260](https://jira.utahdcc.org/jira/browse/NEMPUB-260)

## eOutcome.14

**Remove element**

**JIRA ticket:** [NEMPUB-253](https://jira.utahdcc.org/jira/browse/NEMPUB-253)

## eOutcome.15

**Remove element**

**JIRA ticket:** [NEMPUB-254](https://jira.utahdcc.org/jira/browse/NEMPUB-254)

## eOutcome.16

**Promote to national**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Nillable: No

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Nillable: Yes

**JIRA ticket:** [NEMPUB-261](https://jira.utahdcc.org/jira/browse/NEMPUB-261)

## eOutcome.17

**Remove element**

**JIRA ticket:** [NEMPUB-271](https://jira.utahdcc.org/jira/browse/NEMPUB-271)

## eOutcome.18

**New element**

**Description:** New element added for Date/Time of Emergency Department Admission. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**JIRA ticket:** [NEMPUB-262](https://jira.utahdcc.org/jira/browse/NEMPUB-262)

# ePatient

Trivial change made to some element definitions to add periods at the end of sentences.

## ePatient.05

**Add PN**

**Description:** Added new PN “Unable to Complete”, this also necessitated changing the element to nillable.

**Corresponding Enumeration:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-176](https://jira.utahdcc.org/jira/browse/NEMPUB-176)

## ePatient.06

**Add PN**

**Description:** Added new PN “Unable to Complete”, this also necessitated changing the element to nillable.

**Corresponding Enumeration:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-177](https://jira.utahdcc.org/jira/browse/NEMPUB-177)

## ePatient.12

**Add PN**

**Description:** Added new PN “Unable to Complete”, this also necessitated changing the element to nillable.

**Impacted Elements:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-88](https://jira.utahdcc.org/jira/browse/NEMPUB-88)

## ePatient.13

**Add data element comment**

**Description:** Added comment to describe new values available, “Code list referenced from: <https://www.healthit.gov/isa/sex-birth-sexual-orientation-and-gender-identity>”

**Corresponding Enumeration:** [Gender](#_Gender)

**JIRA ticket:** [NEMPUB-9](https://jira.utahdcc.org/jira/browse/NEMPUB-9)

## ePatient.18

**Add PN**

**Description:** Added new PN “Unable to Complete”, this also necessitated changing the element to nillable.

**Corresponding Enumeration:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-87](https://jira.utahdcc.org/jira/browse/NEMPUB-87)

## ePatient.22

**New element**

**Description:** New element added for Alternate Home Residence. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding enumeration:** [AlternateHomeResidence](#_AlternateHomeResidence)

**JIRA ticket:** [NEMPUB-24](https://jira.utahdcc.org/jira/browse/NEMPUB-24)

## AlternateHomeResidence

**New enumeration**

**Description:** New enumeration that goes with ePatient.22 – Alternate Home Residence. Please see ePatient.22 in the NEMSIS v3.5.0 Data Dictionary for a full description of values and codes.

**Impacted Elements:** [ePatient.22](#_ePatient.22)

**JIRA ticket:** [NEMPUB-24](https://jira.utahdcc.org/jira/browse/NEMPUB-24)

# ePayment

Trivial change made to some element definitions to add periods at the end of sentences.

## ePayment.59

**New element**

**Description:** New element added for Insurance Company Phone Number. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**JIRA ticket:** [NEMPUB-23](https://jira.utahdcc.org/jira/browse/NEMPUB-23)

## ePayment.60

**New element**

**Description:** New element added for Date of Birth of the Insured. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**JIRA ticket:** [NEMPUB-23](https://jira.utahdcc.org/jira/browse/NEMPUB-23)

## TransportCareProvider

**Add, change and remove values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Advanced EMT-Paramedic | 2642001 |
| Nurse | 2642003 |
| Nurse Practitioner | 2642005 |
| Physician (MD, DO) | 2642007 |
| Physician Assistant | 2642009 |
| 2009 Emergency Medical Responder (EMR) | 2642011 |
| 2009 Emergency Medical Technician (EMT) | 2642013 |
| 2009 Advanced Emergency Medical Technician (AEMT) | 2642015 |
| 2009 Paramedic | 2642017 |
| First Responder | 2642019 |
| EMT-Basic | 2642021 |
| EMT-Intermediate | 2642023 |
| EMT-Paramedic | 2642025 |
| Other Healthcare Professional | 2642027 |
| Other Non-Healthcare Professional | 2642029 |
| Respiratory Therapist | 2642031 |
| Student | 3642033 |
| Critical Care Paramedic | 2642035 |
| Community Paramedicine | 2642037 |
| Registered Nurse | 2642039 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Advanced EMT-Paramedic | 2642001 |
| Nurse | 2642003 |
| Nurse Practitioner | 2642005 |
| Physician (MD, DO) | 2642007 |
| Physician Assistant | 2642009 |
| Emergency Medical Responder (EMR) | 2642011 |
| Emergency Medical Technician (EMT) | 2642013 |
| Emergency Medical Technician – Intermediate | 2642014 |
| Advanced Emergency Medical Technician (AEMT) | 2642015 |
| Paramedic | 2642017 |
| Other Healthcare Professional | 2642027 |
| Other Non-Healthcare Professional | 2642029 |
| Respiratory Therapist | 2642031 |
| Student | 3642033 |
| Critical Care Paramedic | 2642035 |
| Community Paramedicine | 2642037 |
| Registered Nurse | 2642039 |

**Impacted Elements:** ePayment.42

**JIRA ticket:** [NEMPUB-14](https://jira.utahdcc.org/jira/browse/NEMPUB-14)

## HealthcareProviderType

***Critical Patch:* Add values**

**Description:** Three new values were added in response to CMS 2020 proposed changes, as follows:

|  |  |
| --- | --- |
| **Value** | **Code** |
| Licensed Practical Nurse (LPN) | 2605013 |
| Case Manager | 2605015 |
| Social Worker | 2605017 |

**Impacted Elements:** ePayment.05

**JIRA ticket:** [NEMPUB-325](https://jira.utahdcc.org/jira/browse/NEMPUB-325)

# eProcedures

Trivial change made to some element definitions to add periods at the end of sentences. Trivial change made to some data element comments to improve link functionality.

## eProcedures.03

**Add PN**

**Description:** Added PN “Order Criteria Not Met”

**Corresponding Enumeration:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-12](https://jira.utahdcc.org/jira/browse/NEMPUB-12)

## VascularAccessLocation

**Add values**

**Description:** Added value “Wrist-Left” with code 3913079

Added value “Wrist-Right” with code 3913081

**Impacted Elements:** eProcedures.13

**JIRA ticket:** [NEMPUB-5](https://jira.utahdcc.org/jira/browse/NEMPUB-5)

# eProtocols

Trivial change made to some element definitions to add periods at the end of sentences.

## eProtocols.02

**Demote national element**

**Old:** National: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Recurrence: 1:1

**New:** National: No

Usage: Recommended

Not Values: Not Applicable, Not Recorded, Not Reporting

Recurrence: 0:1

**JIRA ticket:** [NEMPUB-114](https://jira.utahdcc.org/jira/browse/NEMPUB-114)

# eRecord

## SoftwareCreator

**Move to commonTypes**

**Impacted Elements:** eRecord.01, [sSoftware.01](#_sSoftware)

## SoftwareName

**Move to commonTypes**

**Impacted Elements:** eRecord.02, [sSoftware.02](#_sSoftware)

## SoftwareVersion

**Move to commonTypes**

**Impacted Elements:** eRecord.03, [sSoftware.03](#_sSoftware)

# eResponse

Trivial change made to some element definitions to add periods at the end of sentences.

## eResponse.02

**Change definition**

**Old:** EMS Agency Name

**New:** The EMS agency’s name.

## eResponse.05

**Change data element comment**

**Old:** "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.

**New:** Values for "911 Response (Scene)", "Intercept", and "Mutual Aid" have been relabeled to start with "Emergency Response" to more easily identify these options. "Interfacility Transport" was relabeled to "Hospital-to-Hospital Transfer" to be more accurate; options for "Sending Hospital Staff" and "Critical or Specialty Care" were added to better track resource utilization at local and state levels and support reimbursement levels. "Medical Transport" was relabeled to "Other Medical Needs Transport" to cover any other medical transports such as transports to and from dialysis, doctor appointments, return home, or nursing homes. Values added to consolidate types of service previously captured in "Primary Role of Unit" and eDisposition.12 as found in V3.4.0. Additional values added to reflect emerging service types.

**Corresponding Enumeration:** [EMSServiceCat](#_EMSServiceCat)

**JIRA ticket:** [NEMPUB-139](https://jira.utahdcc.org/jira/browse/NEMPUB-139)

## eResponse.07

**Change name, definition, data element comment**

**Old:** Name: Primary Role of the Unit

Definition: “The primary role of the EMS Unit which responded to this specific EMS event”

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”

**New:** Name: Unit Transport and Equipment Capability

Definition: “The transport and equipment capabilities of the EMS Unit which responded to this specific EMS event.”

Comment: “Element relabeled from "Primary Role of Unit" to "Unit Transport and Equipment Capability" to better reflect its new definted purpose and allow the deprecation of eResponse.15 "Level of Care of This Unit". V3.4.0 Non-Transport values deprecated as these are types of service and were moved to eResponse.05 "Type of Service Requested". Values have been added to better capture transport capability and available equipment. These values should be tied to the capabilities and role of the unit and not reflect the level of providers responding to an event.

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. “

**Corresponding Enumeration:** [UnitTransportEquipmentCapability](#_UnitTransportEquipmentCapability)

**JIRA ticket:** [NEMPUB-140](https://jira.utahdcc.org/jira/browse/NEMPUB-140)

## eResponse.15

**Remove element**

**Corresponding Enumeration:** [UnitLevelOfCare](#_UnitLevelOfCare)

**JIRA ticket:** [NEMPUB-145](https://jira.utahdcc.org/jira/browse/NEMPUB-145)

## eResponse.16

***Critical Patch:* Change to definition of element**

**Old:** “The EMS location or healthcare facility representing the geographic location of the unit or crew at the time of dispatch.”

**New:** “The geographic location of the EMS unit or crew at the time of dispatch.”

**JIRA ticket:** [NEMPUB-323](https://jira.utahdcc.org/jira/browse/NEMPUB-323)

## eResponse.23

**Change definition**

**Old:** “The indication whether the response was emergent or non-emergent. An emergent response is an immediate response (typically using lights and sirens).”

**New:** “The indication whether the response was emergent or non-emergent. An emergent response is an immediate response.”

**JIRA ticket:** [NEMPUB-39](https://jira.utahdcc.org/jira/browse/NEMPUB-39)

## EMSDispatchDelayReason

**Add and change values**

**Description:** Changed value “Location (Inability to Obtain)” to “Incomplete Address Information Provided” with code 2208009

Added value “Communication Specialist-Assignment Error” with code 2208019

Added value “No Receiving MD, Bed, Hospital” with code 2208021

Added value “Specialty Team Delay” with code 2208023

**Impacted Elements:** eResponse.08

**JIRA ticket:** [NEMPUB-22](https://jira.utahdcc.org/jira/browse/NEMPUB-22)

## EMSServiceCat

**Add and change values**

**Old:**

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

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Emergency Response (Primary Response Area) | 2205001 |
| Emergency Response (Intercept) | 2205003 |
| Emergency Response (Mutual Aid) | 2205009 |
| Hospital-to-Hospital Transfer | 2205005 |
| Hospital to Non-Hospital Facility Transfer | 2205015 |
| Non-Hospital Facility to Non-Hospital Facility Transfer | 2205017 |
| Non-Hospital Facility to Hospital Transfer | 2205019 |
| Other Routine Medical Transport | 2205007 |
| Public Assistance | 2205011 |
| Standby | 2205013 |
| Support Services | 2205021 |
| Non-Patient Care Rescue/Extrication | 2205023 |
| Crew Transport Only | 2205025 |
| Transport of Organs or Body Parts | 2205027 |
| Mortuary Services | 2205029 |
| Mobile Integrated Health Care | 2205031 |
| Evaluation for Special Referral/Intake Programs | 2205033 |
| Administrative Operations | 2205035 |

**Impacted Elements:** [eResponse.05](#_eResponse.05)

**JIRA ticket:** [NEMPUB-139](https://jira.utahdcc.org/jira/browse/NEMPUB-139)

## UnitTransportEquipmentCapability

**Change name, add, remove and change values**

**Old:** Name: PrimaryRoleOfUnit

|  |  |
| --- | --- |
| **Value** | **Code** |
| Ground Transport | 2207003 |
| Non-Transport Administrative (e.g., Supervisor) | 2207005 |
| Non-Transport Assistance | 2207007 |
| Non-Transport Rescue | 2207009 |
| Air Transport-Helicopter | 2207011 |
| Air Transport-Fixed Wing | 2207013 |

**New:** Name: UnitTransportEquipmentCapability

|  |  |
| --- | --- |
| **Value** | **Code** |
| Air Transport-Helicopter | 2207011 |
| Air Transport-Fixed Wing | 2207013 |
| Ground Transport (ALS Equipped) | 2207015 |
| Ground Transport (BLS Equipped) | 2207017 |
| Ground Transport (Critical Care Equipped) | 2207019 |
| Non-Transport-Medical Treatment (ALS Equipped) | 2207021 |
| Non-Transport-Medical Treatement (BLS Equipped) | 2207023 |
| Wheel Chair Van/Ambulette | 2207025 |
| No Medical Equipment | 2207027 |

**Impacted Elements:** [eResponse.07](#_eResponse.07)

**JIRA ticket:** [NEMPUB-140](https://jira.utahdcc.org/jira/browse/NEMPUB-140)

## UnitLevelOfCare

**Remove enumeration**

**Description:** No longer used with the removal of eResponse.15.

**Impacted Elements:** [eResponse.15](#_eResponse.15)

**JIRA ticket:** [NEMPUB-145](https://jira.utahdcc.org/jira/browse/NEMPUB-145)

# eScene

Trivial change made to some element definitions to add periods at the end of sentences.

## eScene.01

**Change definition**

**Old:** “Documentation that this EMS Unit was the first EMS Unit for the EMS Agency on the Scene.”

**New:** “Documentation that this EMS Unit was the first EMS Unit among all EMS Agencies on the Scene.”

**JIRA ticket:** [NEMPUB-298](https://jira.utahdcc.org/jira/browse/NEMPUB-298)

## eScene.02

**Add data element comment**

**Description: “**For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eScene.02 and eScene.03 are used to populate CARES data element #16 Fire/First Responder as defined by CARES in the CARES 2019 Data Dictionary: <https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf>”

**JIRA ticket:** [NEMPUB-170](https://jira.utahdcc.org/jira/browse/NEMPUB-170)

## eScene.03

**Change data element comment**

**Old:** “The ID should be the state ID (license number) for the EMS agency or ID number for the law enforcement. This may be an ID assigned by the state or created by the EMS agency.”

**New: “**The ID should be the state ID (license number) for the EMS agency or ID number for the law enforcement. This may be an ID assigned by the state or created by the EMS agency.

For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eScene.02 and eScene.03 are used to populate CARES data element #16 Fire/First Responder as defined by CARES in the CARES 2019 Data Dictionary: <https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf>”

**JIRA ticket:** [NEMPUB-171](https://jira.utahdcc.org/jira/browse/NEMPUB-171)

## eScene.24

**New element**

**Description:** New element added for First Other EMS or Public Safety Agency at Scene to Provide Patient Care. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**JIRA ticket:** [NEMPUB-172](https://jira.utahdcc.org/jira/browse/NEMPUB-172)

## SceneCrossStreet

**Change constraints**

**Description:** MaxLength was increased from 50 to 255.

**Impacted Elements:** eScene.20

**JIRA ticket:** [NEMPUB-46](https://jira.utahdcc.org/jira/browse/NEMPUB-46)

# eSituation

Trivial change made to some element definitions to add periods at the end of sentences. Trivial change made to some data element comments to improve link functionality.

## eSituation.01

**Add PN**

**Description:** Add new PN “Unable to Complete” and “Approximate”

**Corresponding enumeration:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-41](https://jira.utahdcc.org/jira/browse/NEMPUB-41)

## eSituation.10

**Add PN**

**Description:** Add new PN “Symptom Not Present”

**Corresponding enumeration:** [PN](#_PN)

**JIRA ticket:** [NEMPUB-179](https://jira.utahdcc.org/jira/browse/NEMPUB-179)

## eSituation.13

**Change data element comment**

**Old:** “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.”

**New:** “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.

"Non-Acute/Routine" added for use with patients with no clinical issues-such as refusal for a life assist-or for routine transfers”

**Corresponding Enumeration:** [InitialPatientAcuity](#_InitialPatientAcuity)

**JIRA ticket:** [NEMPUB-141](https://jira.utahdcc.org/jira/browse/NEMPUB-141)

## eSituation.18

**Promote national element**

**Old:** National: No

State: No

Usage: Optional

Not Values: No

Pertinent Negatives: No

**New:** National: Yes

State: Yes

Usage: Required

Not Values: Not Applicable, Not Recorded

Pertinent Negatives: Unable to Complete

**JIRA ticket:** [NEMPUB-7](https://jira.utahdcc.org/jira/browse/NEMPUB-7)

## eSituation.19

**New element**

**Description:** New element added for Justification for Transfer or Encounter. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [JustificationforTransferorEncounter](#_JustificationforTransferorEncounter)

**JIRA ticket:** [NEMPUB-147](https://jira.utahdcc.org/jira/browse/NEMPUB-147)

## eSituation.20

**New element**

**Description:** New element added for Reason for Interfacility Transfer/Medical Transport. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**Corresponding Enumeration:** [ReasonforInterfacilityTransfer](#_ReasonforInterfacilityTransfer)

**JIRA ticket:** [NEMPUB-148](https://jira.utahdcc.org/jira/browse/NEMPUB-148)

## InitialPatientAcuity

**Add value**

**Description:** Added value “Non-Acute/Routine” with code 2813009

**Impacted Elements:** [eSituation.13](#_eSituation.13)

**JIRA ticket:** [NEMPUB-141](https://jira.utahdcc.org/jira/browse/NEMPUB-141)

## PatientsOccupation

**Change value**

**Old:** “Education, Training, and Library Occupations” with code 2816015

**New:** “Educational Instruction and Library Occupations” with code 2816015

**Impacted Elements:** eSituation.16

**JIRA ticket:** [NEMPUB-82](https://jira.utahdcc.org/jira/browse/NEMPUB-82)

## JustificationforTransferorEncounter

**New enumeration**

**Description:** New enumeration that goes with eSituation.19 – Justification for Transfer or Encounter. Please see eSituation.19 in the NEMSIS v3.5.0 Data Dictionary for a full description of constraints.

**Impacted Elements:** [eSituation.19](#_eSituation.19)

**JIRA ticket:** [NEMPUB-147](https://jira.utahdcc.org/jira/browse/NEMPUB-147)

## ReasonforInterfacilityTransfer

**New enumeration**

**Description:** New enumeration that goes with eSituation.20 – Reason for Interfacility Transfer/Medical Transport. Please see eSituation.20 in the NEMSIS v3.5.0 Data Dictionary for a full description of values and codes.

**Impacted Elements:** [eSituation.20](#_eSituation.20)

**JIRA ticket:** [NEMPUB-148](https://jira.utahdcc.org/jira/browse/NEMPUB-148)

# eTimes

## eTimes.09

**Change definition**

**Old:** “The date/time the responding unit left the scene with a patient (started moving).”

**New:** “The date/time the responding unit left the scene (started moving)”

**JIRA ticket:** [NEMPUB-79](https://jira.utahdcc.org/jira/browse/NEMPUB-79)

## eTimes.12

**Change definition**

**Old: “**The date/time that patient care was transferred to the destination healthcare facilities staff.”

**New: “**The date/time that patient care was transferred to the destination healthcare staff.”

**JIRA ticket:** [NEMPUB-291](https://jira.utahdcc.org/jira/browse/NEMPUB-291)

## eTimes.17

**New element**

**Description:** New element added for Unit Arrived at Staging Area Date/Time. Please see the NEMSIS v3.5.0 Data Dictionary for complete element details.

**JIRA ticket:** [NEMPUB-4](https://jira.utahdcc.org/jira/browse/NEMPUB-4)

# eVitals

## eVitals.CardiacRhythmGroup

**Remove attribute**

**Description:** Removed attribute “CorrelationID”

**JIRA ticket:** [NEMPUB-10](https://jira.utahdcc.org/jira/browse/NEMPUB-10)

## eVitals.08

**Demote national element**

**Old:** National: Yes

Usage: Required

Recurrence: 1:1

Not Values: Not Applicable, Not Recorded

**New:** National: No

Usage: Recommended

Recurrence: 0:1

Not Values: Not Applicable, Not Recorded, Not Reporting

**JIRA ticket:** [NEMPUB-109](https://jira.utahdcc.org/jira/browse/NEMPUB-109)

## eVitals.16

**Change definition, add attribute**

**Old:** “The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg).”

**New:** “The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg), percentage or, kilopascal (kPa).”

Added optional attribute ETCO2Type to specify how ETCO2 was measured.

**Corresponding Enumeration:** [ETCO2Type](#_ETCO2Type), [CO2](#_CO2)

**JIRA ticket:** [NEMPUB-26](https://jira.utahdcc.org/jira/browse/NEMPUB-26)

## eVitals.18

**Remove data element comment**

**Old:** “For glucometers with “High” and “Low” readings, report “600” for “High” and “20” for “Low”.

**Corresponding Enumeration:** [BloodGlucoseLevel](#_BloodGlucoseLevel)

**JIRA ticket:** [NEMPUB-34](https://jira.utahdcc.org/jira/browse/NEMPUB-34)

## eVitals.19

**Change definition**

**Old:** “The patient's Glasgow Coma Score Eye opening”

**New:** “The patient's Glasgow Coma Score Eye opening response.”

## eVitals.20

**Change definition**

**Old:** “The patient's Glasgow Coma Score Verbal”

**New:** “The patient's Glasgow Coma Score Verbal response.”

## eVitals.21

**Change definition**

**Old:** “The patient's Glasgow Coma Score Motor”

**New:** “The patient's Glasgow Coma Score Motor response.”

## eVitals.26

**Change id**

**Old:** eVitals.LevelofResponsivenessAPVU

**New:** eVitals.LevelofResponsivenessAVPU

**JIRA ticket:** [NEMPUB-17](https://jira.utahdcc.org/jira/browse/NEMPUB-17)

## eVitals.33

**Change data element comment**

**Old:** “The Revised Trauma Score is a physiological scoring system that is based on the first set of vital signs obtained from the patient, and consists of Glasgow Coma Scale, Systolic Blood Pressure and Respiratory Rate.”

**New:** “The Unweighted Revised Trauma Score is a physiological scoring system that is based on the first set of vital signs obtained from the patient, and consists of Glasgow Coma Scale, Systolic Blood Pressure and Respiratory Rate.”

**JIRA ticket:** [NEMPUB-84](https://jira.utahdcc.org/jira/browse/NEMPUB-84)

## BloodGlucoseLevel

**Change constraints**

**Description:** Changed from an integer value from 0 to 2000 (inclusive), to a string value that follows a pattern of "[2][0][0][0]|[1][0-9][0-9][0-9]|[1-9][0-9][0-9]|[1-9][0-9]|[0-9]|High|Low". This permits the same integer values, but also allows values of “High” and “Low”.

**Impacted Elements:** [eVitals.18](#_eVitals.18)

**JIRA ticket:** [NEMPUB-34](https://jira.utahdcc.org/jira/browse/NEMPUB-34)

## CO2

**Change constaints**

**Description:** Changed maxInclusive value from 200 to 750.

**Impacted Elements:** [eVitals.16](#_eVitals.16)

**JIRA ticket:** [NEMPUB-26](https://jira.utahdcc.org/jira/browse/NEMPUB-26)

## ECGType

**Add and change value**

**Description:** Added new value “2 Lead ECG (pads or paddles)” with code 3304000

Changed value “Other (AED, Not Listed)” to “Other” with code 3304015

**Impacted Elements:** eVitals.04

**JIRA ticket:** [NEMPUB-38](https://jira.utahdcc.org/jira/browse/NEMPUB-38)

## TypeOfStrokeScale

**Add and change values**

**Old:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Cincinnati | 3330001 |
| Los Angeles | 3330003 |
| Massachusetts | 3330005 |
| Miami Emergency Neurologic Deficit (MEND) | 3330007 |
| NIH | 3330009 |
| Other Stroke Scale | 3330011 |
| F.A.S.T. Exam | 3330013 |

**New:**

|  |  |
| --- | --- |
| **Value** | **Code** |
| Cincinnati Prehospital Stroke Scale (CPSS) | 3330001 |
| Los Angeles Prehospital Stroke Screen (LAPSS) | 3330004 |
| Massachusetts Stroke Scale (MSS) | 3330005 |
| Miami Emergency Neurologic Deficit Exam (MEND) | 3330007 |
| NIH Stroke Scale (NIHSS) | 3330009 |
| Other Stroke Scale | 3330011 |
| FAST-ED | 3330013 |
| Boston Stroke Scale (BOSS) | 3330015 |
| Ontario Prehospital Stroke Scale (OPSS) | 3330017 |
| Melbourne Ambulance Stroke Screen (MASS) | 3330019 |
| Rapid Arterial oCclusion Evaluation (RACE) | 3330021 |
| Los Angeles Motor Score (LAMS) | 3330023 |

**Impacted Elements:** eVitals.30

**JIRA ticket:** [NEMPUB-28](https://jira.utahdcc.org/jira/browse/NEMPUB-28)

## ETCO2Type

**New enumeration**

**Description:** New enumeration that goes with new attribute ETCO2Type used in eVitals.16 – End Tidal Carbon Dioxide (ETCO2). Please see eVitals.16 in the NEMSIS v3.5.0 Data Dictionary for a full description of values and codes.

**Impacted Elements:** [eVitals.16](#_eVitals.16)

**JIRA ticket:** [NEMPUB-26](https://jira.utahdcc.org/jira/browse/NEMPUB-26)

# StateDataSet

Previously, all state data set elements were contained in a single XSD file, with the inclusion of the state data set in the formal NEMSIS standard, this file has been restructured to have each section (sAgency, sConfiguration, etc.) contained in its own individual XSD file. This restructuring brings the state data set’s XSD structure in line with the structure of the EMS data set and the Demographic data set structures.

Additionally, all StateDataSet elements were reviewed and revised for v3.5.0.

Bug fix in CP#2 to remove duplicate reference to seCustom group.

# sAgency

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sAgency [NEMPUB-227](https://jira.utahdcc.org/jira/browse/NEMPUB-227)

sAgencyGroup [NEMPUB-228](https://jira.utahdcc.org/jira/browse/NEMPUB-228)

sAgency.01 [NEMPUB-229](https://jira.utahdcc.org/jira/browse/NEMPUB-229)

sAgency.02 [NEMPUB-230](https://jira.utahdcc.org/jira/browse/NEMPUB-230)

sAgency.03 [NEMPUB-231](https://jira.utahdcc.org/jira/browse/NEMPUB-231)

# sConfiguration

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sConfiguration [NEMPUB-218](https://jira.utahdcc.org/jira/browse/NEMPUB-218)

sConfiguration.01 [NEMPUB-219](https://jira.utahdcc.org/jira/browse/NEMPUB-219)

sConfiguration.ProcedureGroup [NEMPUB-220](https://jira.utahdcc.org/jira/browse/NEMPUB-220)

sConfiguration.02 [NEMPUB-221](https://jira.utahdcc.org/jira/browse/NEMPUB-221)

sConfiguration.03 [NEMPUB-222](https://jira.utahdcc.org/jira/browse/NEMPUB-222)

sConfiguration.MedicationGroup [NEMPUB-223](https://jira.utahdcc.org/jira/browse/NEMPUB-223)

sConfiguration.04 [NEMPUB-224](https://jira.utahdcc.org/jira/browse/NEMPUB-224)

sConfiguration.05 [NEMPUB-225](https://jira.utahdcc.org/jira/browse/NEMPUB-225)

sConfiguration.06 [NEMPUB-226](https://jira.utahdcc.org/jira/browse/NEMPUB-226)

Bug fix in CP#3 to add the CodeType attribute which was missing from the National-Only package of XSDs.

# sdCustom

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sdCustomConfiguration [NEMPUB-194](https://jira.utahdcc.org/jira/browse/NEMPUB-194)

sdCustomConfiguration.CustomGroup [NEMPUB-195](https://jira.utahdcc.org/jira/browse/NEMPUB-195)

sdCustomConfiguration.01 [NEMPUB-196](https://jira.utahdcc.org/jira/browse/NEMPUB-196)

sdCustomConfiguration.02 [NEMPUB-197](https://jira.utahdcc.org/jira/browse/NEMPUB-197)

sdCustomConfiguration.03 [NEMPUB-198](https://jira.utahdcc.org/jira/browse/NEMPUB-198)

sdCustomConfiguration.04 [NEMPUB-199](https://jira.utahdcc.org/jira/browse/NEMPUB-199)

sdCustomConfiguration.05 [NEMPUB-200](https://jira.utahdcc.org/jira/browse/NEMPUB-200)

sdCustomConfiguration.06 [NEMPUB-201](https://jira.utahdcc.org/jira/browse/NEMPUB-201)

sdCustomConfiguration.07 [NEMPUB-202](https://jira.utahdcc.org/jira/browse/NEMPUB-202)

sdCustomConfiguration.08 [NEMPUB-203](https://jira.utahdcc.org/jira/browse/NEMPUB-203)

sdCustomConfiguration.09 [NEMPUB-204](https://jira.utahdcc.org/jira/browse/NEMPUB-204)

# seCustom

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

seCustomConfiguration [NEMPUB-205](https://jira.utahdcc.org/jira/browse/NEMPUB-205)

seCustomConfiguration.CustomGroup [NEMPUB-206](https://jira.utahdcc.org/jira/browse/NEMPUB-206)

seCustomConfiguration.01 [NEMPUB-207](https://jira.utahdcc.org/jira/browse/NEMPUB-207)

seCustomConfiguration.02 [NEMPUB-208](https://jira.utahdcc.org/jira/browse/NEMPUB-208)

seCustomConfiguration.03 [NEMPUB-209](https://jira.utahdcc.org/jira/browse/NEMPUB-209)

seCustomConfiguration.04 [NEMPUB-210](https://jira.utahdcc.org/jira/browse/NEMPUB-210)

seCustomConfiguration.05 [NEMPUB-211](https://jira.utahdcc.org/jira/browse/NEMPUB-211)

seCustomConfiguration.06 [NEMPUB-212](https://jira.utahdcc.org/jira/browse/NEMPUB-212)

seCustomConfiguration.07 [NEMPUB-213](https://jira.utahdcc.org/jira/browse/NEMPUB-213)

seCustomConfiguration.08 [NEMPUB-214](https://jira.utahdcc.org/jira/browse/NEMPUB-214)

seCustomConfiguration.09 [NEMPUB-215](https://jira.utahdcc.org/jira/browse/NEMPUB-215)

# sElement

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sElement [NEMPUB-216](https://jira.utahdcc.org/jira/browse/NEMPUB-216)

sElement.01 [NEMPUB-217](https://jira.utahdcc.org/jira/browse/NEMPUB-217)

# sFacility

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sFacility [NEMPUB-232](https://jira.utahdcc.org/jira/browse/NEMPUB-232)

sFacilityGroup [NEMPUB-233](https://jira.utahdcc.org/jira/browse/NEMPUB-233)

sFacility.01 [NEMPUB-234](https://jira.utahdcc.org/jira/browse/NEMPUB-234)

sFacility.FacilityGroup [NEMPUB-235](https://jira.utahdcc.org/jira/browse/NEMPUB-235)

sFacility.02 [NEMPUB-236](https://jira.utahdcc.org/jira/browse/NEMPUB-236)

sFacility.03 [NEMPUB-237](https://jira.utahdcc.org/jira/browse/NEMPUB-237)

sFacility.04 [NEMPUB-238](https://jira.utahdcc.org/jira/browse/NEMPUB-238)

sFacility.05 [NEMPUB-239](https://jira.utahdcc.org/jira/browse/NEMPUB-239)

sFacility.06 [NEMPUB-240](https://jira.utahdcc.org/jira/browse/NEMPUB-240)

sFacility.07 [NEMPUB-241](https://jira.utahdcc.org/jira/browse/NEMPUB-241)

sFacility.08 [NEMPUB-242](https://jira.utahdcc.org/jira/browse/NEMPUB-242)

sFacility.09 [NEMPUB-243](https://jira.utahdcc.org/jira/browse/NEMPUB-243)

sFacility.10 [NEMPUB-244](https://jira.utahdcc.org/jira/browse/NEMPUB-244)

sFacility.11 [NEMPUB-245](https://jira.utahdcc.org/jira/browse/NEMPUB-245)

sFacility.12 [NEMPUB-246](https://jira.utahdcc.org/jira/browse/NEMPUB-246)

sFacility.13 [NEMPUB-247](https://jira.utahdcc.org/jira/browse/NEMPUB-247)

sFacility.14 [NEMPUB-248](https://jira.utahdcc.org/jira/browse/NEMPUB-248)

sFacility.15 [NEMPUB-249](https://jira.utahdcc.org/jira/browse/NEMPUB-249)

# sSoftware

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sSoftware [NEMPUB-190](https://jira.utahdcc.org/jira/browse/NEMPUB-190)

sSoftware.01 [NEMPUB-191](https://jira.utahdcc.org/jira/browse/NEMPUB-191)

sSoftware.02 [NEMPUB-192](https://jira.utahdcc.org/jira/browse/NEMPUB-192)

sSoftware.03 [NEMPUB-193](https://jira.utahdcc.org/jira/browse/NEMPUB-193)

# sState

New section and elements, please see the NEMSIS v3.5.0 Data Dictionary for a full description. JIRA tickets are listed below:

sState.01 [NEMPUB-189](https://jira.utahdcc.org/jira/browse/NEMPUB-189)