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

**JIRA ticket:** NEMPUB-180

COLOR KEY

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## 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

### 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, dConfiguration.09, sConfiguration.05
**JIRA ticket:** 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
**JIRA ticket:** 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][1-9][0-9][P|p
New:    
[5][0][0][1-4][0-9][0-9][0-9][1-9][0-9][1-9][0-9][P|p

Impacted elements: evitals.07
JIRA ticket: NEMPUB-29

EMSCaregiverLevel
Add, remove, and change values

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

**JIRA ticket:** NEMPUB-14, 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, dPersonnel.12

**JIRA ticket:** 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, eDisposition.23

**JIRA ticket:** NEMPUB-15, NEMPUB-16, 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.13, ePayment.51

**JIRA ticket:** 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
JIRA ticket: NEMPUB-6

ImmunizationType
Add value

Description: Added value “None” with code 9910053

Impacted Elements: eHistory.10
JIRA ticket: NEMPUB-11

LicensureLevels
SimpleType Removed

Impacted Elements: dConfiguration.02
JIRA ticket: NEMPUB-14, NEMPUB-278

Medication
Change constraints

Old: maxLength=7
New: maxLength=9

Impacted Elements: eMedications.03, dConfiguration.09, sConfiguration.05
JIRA ticket: NEMPUB-180, 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, eProcedures.03, eMedications.03, eSituation.01, eSituation.10
JIRA ticket: NEMPUB-12, NEMPUB-11, NEMPUB-13, NEMPUB-41, NEMPUB-178, NEMPUB-179

StateCertificationLicensureLevels
Add, remove, and change values
### Old:

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 Advanced Emergency Medical Technician (AEMT)</td>
<td>9917001</td>
</tr>
<tr>
<td>2009 Emergency Medical Responder (EMR)</td>
<td>9917003</td>
</tr>
<tr>
<td>2009 Emergency Medical Technician (EMT)</td>
<td>9917005</td>
</tr>
<tr>
<td>2009 Paramedic</td>
<td>9917007</td>
</tr>
<tr>
<td>EMT-Basic</td>
<td>9917009</td>
</tr>
<tr>
<td>EMT-Intermediate</td>
<td>9917011</td>
</tr>
<tr>
<td>EMT-Paramedic</td>
<td>9917013</td>
</tr>
<tr>
<td>First Responder</td>
<td>9917015</td>
</tr>
<tr>
<td>Physician</td>
<td>9917019</td>
</tr>
<tr>
<td>Critical Care Paramedic</td>
<td>9917021</td>
</tr>
<tr>
<td>Community Paramedic</td>
<td>9917023</td>
</tr>
<tr>
<td>Nurse Practitioner</td>
<td>9917025</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>9917027</td>
</tr>
<tr>
<td>Licensed Practical Nurse (LPN)</td>
<td>9917029</td>
</tr>
<tr>
<td>Registered Nurse</td>
<td>9917031</td>
</tr>
</tbody>
</table>

### New:

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Emergency Medical Technician (AEMT)</td>
<td>9917001</td>
</tr>
<tr>
<td>Emergency Medical Technician – Intermediate</td>
<td>9917002</td>
</tr>
<tr>
<td>Emergency Medical Responder (EMR)</td>
<td>9917003</td>
</tr>
<tr>
<td>Emergency Medical Technician (EMT)</td>
<td>9917005</td>
</tr>
<tr>
<td>Paramedic</td>
<td>9917007</td>
</tr>
<tr>
<td>Physician</td>
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<tr>
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<tr>
<td>Physician Assistant</td>
<td>9917027</td>
</tr>
<tr>
<td>Licensed Practical Nurse (LPN)</td>
<td>9917029</td>
</tr>
<tr>
<td>Registered Nurse</td>
<td>9917031</td>
</tr>
</tbody>
</table>

**Impacted Elements**: dAgency.11, dVehicle.05  
**JIRA ticket**: 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]”


JIRA ticket: NEMPUB-150, NEMPUB-292

**MemberLevel**

*Add, remove, and change values*

### Old:

<table>
<thead>
<tr>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>2009 Advanced Emergency Medical Technician (AEMT)</td>
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</tr>
<tr>
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<td>9925007</td>
</tr>
<tr>
<td>First Responder</td>
<td>9925013</td>
</tr>
<tr>
<td>EMT-Basic</td>
<td>9925015</td>
</tr>
<tr>
<td>EMT-Intermediate</td>
<td>9925017</td>
</tr>
<tr>
<td>EMT-Paramedic</td>
<td>9925019</td>
</tr>
<tr>
<td>Other Healthcare Professional</td>
<td>9925023</td>
</tr>
<tr>
<td>Other Non-Healthcare Professional</td>
<td>9925025</td>
</tr>
<tr>
<td>Physician</td>
<td>9925027</td>
</tr>
<tr>
<td>Respiratory Therapist</td>
<td>9925029</td>
</tr>
<tr>
<td>Student</td>
<td>9925031</td>
</tr>
<tr>
<td>Critical Care Paramedic</td>
<td>9925033</td>
</tr>
<tr>
<td>Community Paramedicine</td>
<td>9925035</td>
</tr>
<tr>
<td>Nurse Practitioner</td>
<td>9925037</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>9925039</td>
</tr>
<tr>
<td>Licensed Practical Nurse (LPN)</td>
<td>9925041</td>
</tr>
<tr>
<td>Registered Nurse</td>
<td>9925043</td>
</tr>
</tbody>
</table>

### New:

<table>
<thead>
<tr>
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<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Registered Nurse</td>
<td>9925043</td>
</tr>
</tbody>
</table>

**Impacted Elements:** eCrew.02, dPersonnel.24
JIRA ticket: 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:

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assisted Living Facility</td>
<td>1701001</td>
</tr>
<tr>
<td>Clinic</td>
<td>1701003</td>
</tr>
<tr>
<td>Hospital</td>
<td>1701005</td>
</tr>
<tr>
<td>Nursing Home</td>
<td>1701007</td>
</tr>
<tr>
<td>Other</td>
<td>1701009</td>
</tr>
<tr>
<td>Urgent Care</td>
<td>1701011</td>
</tr>
<tr>
<td>Rehabilitation Facility</td>
<td>1701013</td>
</tr>
<tr>
<td>Mental Health Facility</td>
<td>1701015</td>
</tr>
<tr>
<td>Dialysis Center</td>
<td>1701017</td>
</tr>
</tbody>
</table>

New:

<table>
<thead>
<tr>
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<th>Code</th>
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<tr>
<td>Assisted Living Facility</td>
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</tr>
<tr>
<td>Urgent Care</td>
<td>1701011</td>
</tr>
</tbody>
</table>
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
JIRA ticket: 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

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

Impacted Elements: eCustomConfiguration.02, dCustomConfiguration.02, seCustomConfiguration.02, sdCustomConfiguration.02
JIRA ticket: 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
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

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, 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
JIRA ticket: NEMPUB-72, 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

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

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
**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](#)

---

**dAgency.AgencyYearGroup**

Add attribute

**New:**  
Added required UUID attribute

**Corresponding Enumeration:** [UUID](#)  
JIRA ticket: [NEMPUB-153](#)

---

**dAgency.AgencyServiceGroup**

Add attribute

**New:**  
Added required UUID attribute

**Corresponding Enumeration:** [UUID](#)  
JIRA ticket: [NEMPUB-152](#)

---

**AnnualAgencyStatistics**

Change constraints

**Old:**  
maxInclusive=4000000

**New:**  
maxInclusive=400000000

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

dConfiguration.02
Remove element

JIRA ticket: NEMPUB-113

dConfiguration.03
Remove element

JIRA ticket: NEMPUB-110

dConfiguration.04
Remove element

JIRA ticket: NEMPUB-111

dConfiguration.05
Remove element

JIRA ticket: NEMPUB-112

dConfiguration.ProcedureGroup
Add attribute

**Description:** Added required UUID attribute.

**Corresponding Enumeration:** UUID
JIRA ticket: 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, Medication
JIRA ticket: NEMPUB-186

dConfiguration.MedicationGroup
Add attribute

Description: Added required UUID attribute.

Corresponding Enumeration: UUID
JIRA ticket: 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

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

dConfiguration.ConfigurationGroup
Add attribute

Description: Added required attribute UUID.

Corresponding Enumeration: UUID
JIRA ticket: NEMPUB-155
dContact

dContact.ContactInfoGroup
Add attribute

Description: Added required attribute UUID.

Corresponding Enumeration: UUID
JIRA ticket: 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
JIRA ticket: NEMPUB-166
dState
Remove section

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

**Impacted Elements:** dState.01
**JIRA ticket:** [NEMPUB-183](https://example.com/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://example.com/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/](https://www.jointcommission.org/facts_about_joint_commission_stroke_certification/)

*Corresponding Enumeration:* HospitalDesignation
*JIRA ticket:* [NEMPUB-15, NEMPUB-89](https://example.com)

**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
*JIRA ticket:* [NEMPUB-168](https://example.com)

**dFacilityGroup**
Add attribute

*Description:* Added required attribute UUID

*Corresponding Enumeration:* UUID
*JIRA ticket:* [NEMPUB-167](https://example.com)
dLocation

dLocation.LocationGroup
Add attribute

Description: Added required attribute UUID

Corresponding Enumeration: UUID
JIRA ticket: NEMPUB-158
dPersonnel

dPersonnel.12
Add data element comment


Corresponding Enumeration: Gender
JIRA ticket: NEMPUB-9

dPersonnel.ImmunizationsGroup
Add attribute

Description:  Added required attribute UUID

Corresponding Enumeration: UUID
JIRA ticket: NEMPUB-163

dPersonnel.LicensureGroup
Add attribute

Description:  Added required attribute UUID

Corresponding Enumeration: UUID
JIRA ticket: NEMPUB-164

dPersonnel.CertificationLevelGroup
Add attribute

Description:  Added required attribute UUID

Corresponding Enumeration: UUID
JIRA ticket: NEMPUB-165

dPersonnel.PersonnelGroup
Add attribute

Description:  Added required attribute UUID

Corresponding Enumeration: UUID
JIRA ticket: 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
JIRA ticket: NEMPUB-14

NationalRegistryCertificaitonLevel
Add, remove, and change values

Old:

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<tbody>
<tr>
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<td>1529015</td>
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</tbody>
</table>

New:

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Emergency Medical Technician (AEMT)</td>
<td>1529001</td>
</tr>
<tr>
<td>Emergency Medical Technician – Intermediate</td>
<td>1529002</td>
</tr>
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<td>1529005</td>
</tr>
<tr>
<td>Paramedic</td>
<td>1529007</td>
</tr>
</tbody>
</table>

Impacted Elements: dPersonnel.29
JIRA ticket: 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

**JIRA ticket:** NEMPUB-14

**dVehicle.VehicleGroup**

*Add attribute*

**Description:** Added required attribute UUID

**Corresponding Enumeration:** UUID

**JIRA ticket:** NEMPUB-159

**dVehicle.VehicleCertificationLevelsGroup**

*Add attribute*

**Description:** Added required attribute UUID

**Corresponding Enumeration:** UUID

**JIRA ticket:** NEMPUB-160

**dVehicle.YearGroup**

*Add attribute*

**Description:** Added required attribute UUID

**Corresponding Enumeration:** UUID

**JIRA ticket:** NEMPUB-161
**DeviceConfirmationMethods**

Add value

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

**Impacted Elements:** eAirway.04
**JIRA ticket:** NEMPUB-80

**TubeDepth**

Change constraint

**Old:** minInclusive=8
**New:** minInclusive=4

**Impacted Elements:** eAirway.05
**JIRA ticket:** 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

**JIRA ticket:** 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

**JIRA ticket:** 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

**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

**JIRA ticket:** NEMPUB-119

**eArrest.05**

**Remove element**

**JIRA ticket:** NEMPUB-121

**eArrest.06**

**Remove element**

**JIRA ticket:** 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

**eArrest.08**

Remove element

**Corresponding Enumeration:** WhoUsedAED

JIRA ticket: 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

**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

**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](#)

### 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](#)

### 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](#)

### 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](#)

### 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
JIRA ticket: NEMPUB-123

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
JIRA ticket: NEMPUB-126

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
JIRA ticket: 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
JIRA ticket: 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
JIRA ticket: NEMPUB-117
CardiacArrestEtiology
Remove and change values

Old:

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac (Presumed)</td>
<td>3002001</td>
</tr>
<tr>
<td>Drowning/Submersion</td>
<td>3002003</td>
</tr>
<tr>
<td>Drug Overdose</td>
<td>3002005</td>
</tr>
<tr>
<td>Electrocution</td>
<td>3002007</td>
</tr>
<tr>
<td>Exsanguination</td>
<td>3002009</td>
</tr>
<tr>
<td>Other</td>
<td>3002011</td>
</tr>
<tr>
<td>Respiratory/Asphyxia</td>
<td>3002013</td>
</tr>
<tr>
<td>Trauma</td>
<td>3002015</td>
</tr>
</tbody>
</table>

New:

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac (Presumed)</td>
<td>3002001</td>
</tr>
<tr>
<td>Drowning/Submersion</td>
<td>3002003</td>
</tr>
<tr>
<td>Drug Overdose</td>
<td>3002005</td>
</tr>
<tr>
<td>Electrocution</td>
<td>3002007</td>
</tr>
<tr>
<td>Exsanguination</td>
<td>3002009</td>
</tr>
<tr>
<td>Medical (Non-Traumatic)</td>
<td>3002011</td>
</tr>
<tr>
<td>Other</td>
<td>3002011</td>
</tr>
<tr>
<td>Respiratory/Asphyxia</td>
<td>3002013</td>
</tr>
<tr>
<td>Traumatic Cause</td>
<td>3002015</td>
</tr>
</tbody>
</table>

Impacted Elements: eArrest.02
JIRA ticket: NEMPUB-118, 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

WhoProvided
Remove enumeration

Impacted Elements: eArrest.06
JIRA ticket: 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  
**JIRA ticket:** NEMPUB-123

**WhoUsedAED**  
Remove enumeration

**Impacted Elements:** eArrest.08  
**JIRA ticket:** 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  
**JIRA ticket:** 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  
**JIRA ticket:** 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.”
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
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  
JIRA ticket: NEMPUB-35, 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  
JIRA ticket: 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
JIRA ticket: 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.28, eDisposition.29, eDisposition.30, eDisposition.31
JIRA ticket: 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
JIRA ticket: 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
JIRA ticket: 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
JIRA ticket: NEMPUB-93, NEMPUB-288, 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
JIRA ticket: 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
JIRA ticket: NEMPUB-95, 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](#), [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”

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](#)

### 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
JIRA ticket: NEMPUB-16, NEMPUB-98, 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
JIRA ticket: 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, NEMPUB-290

IncidentPatientDisposition
Remove enumeration

Description: Corresponding element eDisposition.12 removed.

Impacted Elements: eDisposition.12
JIRA ticket: NEMPUB-138

TypeOfDestination
Add, change, and remove values

<table>
<thead>
<tr>
<th>Old:</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td>4221001</td>
</tr>
<tr>
<td>Hospital-Emergency Department</td>
<td>4221003</td>
</tr>
<tr>
<td>Hospital-Non-Emergency Department</td>
<td>4221005</td>
</tr>
<tr>
<td>Medical Office/Clinic</td>
<td>4221007</td>
</tr>
<tr>
<td>Morgue/Mortuary</td>
<td>4221009</td>
</tr>
</tbody>
</table>
### New:

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

**Impacted Elements:** eDisposition.21

**JIRA ticket:** 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

**JIRA ticket:** NEMPUB-32, 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
**JIRA ticket:** 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
**JIRA ticket:** 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
**JIRA ticket:** NEMPUB-93, 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
**JIRA ticket:** 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
**JIRA ticket:** 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
**JIRA ticket:** NEMPUB-146

**DestinationPreArrivalActivation**

**Add value**

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

**Impacted Elements:** eDisposition.24
**JIRA ticket:** NEMPUB-283
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

**eExam.LungGroup**
**New group**

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

**Impacted Elements:** eExam.22, eExam.23

**JIRA ticket:** 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

**JIRA ticket:** 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

**JIRA ticket:** NEMPUB-67

**eExam.ChestGroup**
**New group**

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

**Impacted Elements:** eExam.24, eExam.25
JIRA ticket: [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

JIRA ticket: [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

JIRA ticket: [NEMPUB-69](#)

ChestLungsAssessment
Remove enumeration

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

**Impacted Elements:** eExam.08

JIRA ticket: [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](#)

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

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, 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 3520025

Impacted Elements: eExam.20
JIRA ticket: 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  
JIRA ticket: 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  
JIRA ticket: 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  
JIRA ticket: 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  
JIRA ticket: 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

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
JIRA ticket: NEMPUB-37

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
JIRA ticket: 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

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
JIRA ticket: NEMPUB-37
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](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: [https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/](https://www.facs.org/quality-programs/trauma/systems/field-triage-guidelines/)

Pertinent Negatives: None Reported

**Corresponding enumeration:** TraumaTriageCriteriaSteps1and2  
**JIRA ticket:** 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  
**JIRA ticket:** 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.  

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)  
Pertinent Negatives: None Reported

Corresponding enumeration: TraumaTriageCriteriaSteps3and4  
JIRA ticket: 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  
JIRA ticket: 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

**TraumaTriageCriteriaSteps1and2 Critical Patch 4**  
**Add, modify, deprecate values**

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

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

**Impacted Elements:** [eInjury.03](#)
**JIRA ticket:** [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](#)
**JIRA ticket:** [NEMPUB-30](#)

**TraumaTriageCriteriaSteps3and4 Critical Patch 4**

**Add, modify, deprecate values**

**Old:**

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

**New:**

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

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

**JIRA ticket:** NEMPUB-414

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**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](#)

**JIRA ticket:** NEMPUB-31
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://example.com/NEMPUB-50)
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
Product - UMLS Metathesaurus
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
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
JIRA ticket: NEMPUB-13, NEMPUB-54, 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
JIRA ticket: 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

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

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  
**JIRA ticket:** 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  
**JIRA ticket:** NEMPUB-45, NEMPUB-55
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

**PatientCareReport**

**Add attribute**

**Description:** Added required attribute UUID

**Corresponding Enumeration:** UUID

**JIRA ticket:** 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

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

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  
**JIRA ticket:** 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:** TypeOfWorkRelatedInjuryDeathOrSuspectedExposure  
**JIRA ticket:** 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
**JIRA ticket:** 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
**JIRA ticket:** NEMPUB-56, 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

**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
**JIRA ticket:** 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
JIRA ticket: 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

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
JIRA ticket: 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

eOutcome.07
Remove element

JIRA ticket: NEMPUB-255

eOutcome.08
Remove element

JIRA ticket: 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.19
JIRA ticket: NEMPUB-264, 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, 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`
JIRA ticket: 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

**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
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.20
JIRA ticket: NEMPUB-265, 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, 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
JIRA ticket: NEMPUB-265

eOutcome.13

Promote to national

Old:  
  National: No
  State: No
  Usage: Optional
  Not Values: No
New: National: Yes
    State: Yes
    Usage: Required
    Not Values: Not Applicable, Not Recorded
    Nillable: Yes

JIRA ticket: NEMPUB-260

eOutcome.14
Remove element

JIRA ticket: NEMPUB-253

eOutcome.15
Remove element

JIRA ticket: 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

eOutcome.17
Remove element

JIRA ticket: 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
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
**JIRA ticket:** NEMPUB-176

**ePatient.06**
Add PN

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

**Corresponding Enumeration:** PN
**JIRA ticket:** NEMPUB-177

**ePatient.12**
Add PN

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

**Impacted Elements:** PN
**JIRA ticket:** 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
**JIRA ticket:** NEMPUB-9

**ePatient.18**
Add PN
**Description:** Added new PN “Unable to Complete”, this also necessitated changing the element to nillable.

**Corresponding Enumeration:** PN
**JIRA ticket:** 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
**JIRA ticket:** 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
**JIRA ticket:** 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

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

TransportCareProvider
Add, change and remove values

Old:

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

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

**Impacted Elements**: ePayment.42  
**JIRA ticket**: NEMPUB-14

**HealthcareProviderType**

*Critical Patch*: Add values

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

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Licensed Practical Nurse (LPN)</td>
<td>2605013</td>
</tr>
<tr>
<td>Case Manager</td>
<td>2605015</td>
</tr>
<tr>
<td>Social Worker</td>
<td>2605017</td>
</tr>
</tbody>
</table>

**Impacted Elements**: ePayment.05  
**JIRA ticket**: NEMPUB-325
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  
**JIRA ticket:** 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
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](#)
eRecord

SoftwareCreator
Move to commonTypes

Impacted Elements: eRecord.01, sSoftware.01

SoftwareName
Move to commonTypes

Impacted Elements: eRecord.02, sSoftware.02

SoftwareVersion
Move to commonTypes

Impacted Elements: eRecord.03, sSoftware.03
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
JIRA ticket: 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 defined 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  
**JIRA ticket:** NEMPUB-140

**eResponse.15**  
**Remove element**

**Corresponding Enumeration:** UnitLevelOfCare  
**JIRA ticket:** 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

**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

**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
**EMSServiceCat**

Add and change values

**Old:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>911 Response (Scene)</td>
<td>2205001</td>
</tr>
<tr>
<td>Intercept</td>
<td>2205003</td>
</tr>
<tr>
<td>Interfacility Transport</td>
<td>2205005</td>
</tr>
<tr>
<td>Medical Transport</td>
<td>2205007</td>
</tr>
<tr>
<td>Mutual Aid</td>
<td>2205009</td>
</tr>
<tr>
<td>Public Assistance/Other Not Listed</td>
<td>2205011</td>
</tr>
<tr>
<td>Standby</td>
<td>2205013</td>
</tr>
</tbody>
</table>

**New:**

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

**Impacted Elements:** [eResponse.05](http://example.com)

**JIRA ticket:** [NEMPUB-139](http://example.com)

---

**UnitTransportEquipmentCapability**

Change name, add, remove and change values

**Old:** Name: PrimaryRoleOfUnit

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Transport</td>
<td>2207003</td>
</tr>
<tr>
<td>Non-Transport Administrative (e.g., Supervisor)</td>
<td>2207005</td>
</tr>
<tr>
<td>Non-Transport Assistance</td>
<td>2207007</td>
</tr>
<tr>
<td>Non-Transport Rescue</td>
<td>2207009</td>
</tr>
<tr>
<td>Air Transport-Helicopter</td>
<td>2207011</td>
</tr>
</tbody>
</table>
New: Name: UnitTransportEquipmentCapability

<table>
<thead>
<tr>
<th>Value</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Transport-Helicopter</td>
<td>2207011</td>
</tr>
<tr>
<td>Air Transport-Fixed Wing</td>
<td>2207013</td>
</tr>
<tr>
<td>Ground Transport (ALS Equipped)</td>
<td>2207015</td>
</tr>
<tr>
<td>Ground Transport (BLS Equipped)</td>
<td>2207017</td>
</tr>
<tr>
<td>Ground Transport (Critical Care Equipped)</td>
<td>2207019</td>
</tr>
<tr>
<td>Non-Transport-Medical Treatment (ALS Equipped)</td>
<td>2207021</td>
</tr>
<tr>
<td>Non-Transport-Medical Treatment (BLS Equipped)</td>
<td>2207023</td>
</tr>
<tr>
<td>Wheel Chair Van/Ambulette</td>
<td>2207025</td>
</tr>
<tr>
<td>No Medical Equipment</td>
<td>2207027</td>
</tr>
</tbody>
</table>

Impacted Elements: eResponse.07
JIRA ticket: NEMPUB-140

UnitLevelOfCare
Remove enumeration

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

Impacted Elements: eResponse.15
JIRA ticket: 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

**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](https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf)”

**JIRA ticket:** 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](https://mycares.net/sitepages/uploads/2019/Data%20Dictionary%20(2019).pdf)”

**JIRA ticket:** 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.
SceneCrossStreet
Change constraints

Description:    MaxLength was increased from 50 to 255.

Impacted Elements:  eScene.20
JIRA ticket:  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
JIRA ticket:  NEMPUB-41

eSituation.10
Add PN

Description:    Add new PN “Symptom Not Present”

Corresponding enumeration:  PN
JIRA ticket:  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
    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
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`  
**JIRA ticket**: `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`

**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`  
**JIRA ticket**: `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`  
**JIRA ticket**: `NEMPUB-148`

**InitialPatientAcuity**  
**Add value**

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

Old: “Education, Training, and Library Occupations” with code 2816015
New: “Educational Instruction and Library Occupations” with code 2816015

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.

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.
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

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

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
eVitals

eVitals.CardiacRhythmGroup
Remove attribute

Description: Removed attribute “CorrelationID”

JIRA ticket: 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

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, CO2
JIRA ticket: 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
JIRA ticket: NEMPUB-34
eVitals.19
Change definition

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

eVitals.20
Change definition

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

eVitals.21
Change definition

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

eVitals.26
Change id

Old: eVitals.LevelofResponsivenessAPVU
New: eVitals.LevelofResponsivenessAVPU

JIRA ticket: 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

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]|High|Low". This permits the same integer values, but also allows values of “High” and “Low”.
Impacted Elements: eVitals.18
JIRA ticket: NEMPUB-34

CO2
Change constants

Description: Changed maxInclusive value from 200 to 750.

Impacted Elements: eVitals.16
JIRA ticket: 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

TypeOfStrokeScale
Add and change values

<table>
<thead>
<tr>
<th>Old:</th>
<th>New:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>Code</td>
</tr>
<tr>
<td>Cincinnati</td>
<td>3330001</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>3330003</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>3330005</td>
</tr>
<tr>
<td>Miami Emergency Neurologic Deficit (MEND)</td>
<td>3330007</td>
</tr>
<tr>
<td>NIH</td>
<td>3330009</td>
</tr>
<tr>
<td>Other Stroke Scale</td>
<td>3330011</td>
</tr>
<tr>
<td>F.A.S.T. Exam</td>
<td>3330013</td>
</tr>
<tr>
<td>Cincinnati Prehospital Stroke Scale (CPSS)</td>
<td>3330001</td>
</tr>
<tr>
<td>Los Angeles Prehospital Stroke Screen (LAPSS)</td>
<td>3330004</td>
</tr>
<tr>
<td>Massachusetts Stroke Scale (MSS)</td>
<td>3330005</td>
</tr>
<tr>
<td>Miami Emergency Neurologic Deficit Exam (MEND)</td>
<td>3330007</td>
</tr>
<tr>
<td>NIH Stroke Scale (NIHSS)</td>
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<tr>
<td>Other Stroke Scale</td>
<td>3330011</td>
</tr>
<tr>
<td>FAST-ED</td>
<td>3330013</td>
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<tr>
<td>Boston Stroke Scale (BOSS)</td>
<td>3330015</td>
</tr>
<tr>
<td>Ontario Prehospital Stroke Scale (OPSS)</td>
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<tr>
<td>Melbourne Ambulance Stroke Screen (MASS)</td>
<td>3330019</td>
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<tr>
<td>Rapid Arterial occlusion Evaluation (RACE)</td>
<td>3330021</td>
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<tr>
<td>Los Angeles Motor Score (LAMS)</td>
<td>3330023</td>
</tr>
</tbody>
</table>
Impacted Elements: eVitals.30
JIRA ticket: 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
JIRA ticket: 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
- sAgencyGroup  NEMPUB-228
- sAgency.01  NEMPUB-229
- sAgency.02  NEMPUB-230
- sAgency.03  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
- sConfiguration.01  NEMPUB-219
- sConfiguration.ProcedureGroup  NEMPUB-220
- sConfiguration.02  NEMPUB-221
- sConfiguration.03  NEMPUB-222
- sConfiguration.MedicationGroup  NEMPUB-223
- sConfiguration.04  NEMPUB-224
- sConfiguration.05  NEMPUB-225
- sConfiguration.06  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
- sdCustomConfiguration.CustomGroup: NEMPUB-195
- sdCustomConfiguration.01: NEMPUB-196
- sdCustomConfiguration.02: NEMPUB-197
- sdCustomConfiguration.03: NEMPUB-198
- sdCustomConfiguration.04: NEMPUB-199
- sdCustomConfiguration.05: NEMPUB-200
- sdCustomConfiguration.06: NEMPUB-201
- sdCustomConfiguration.07: NEMPUB-202
- sdCustomConfiguration.08: NEMPUB-203
- sdCustomConfiguration.09: 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
- seCustomConfiguration.CustomGroup: NEMPUB-206
- seCustomConfiguration.01: NEMPUB-207
- seCustomConfiguration.02: NEMPUB-208
- seCustomConfiguration.03: NEMPUB-209
- seCustomConfiguration.04: NEMPUB-210
- seCustomConfiguration.05: NEMPUB-211
- seCustomConfiguration.06: NEMPUB-212
- seCustomConfiguration.07: NEMPUB-213
- seCustomConfiguration.08: NEMPUB-214
- seCustomConfiguration.09: 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
- sElement.01

sFacility

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

- sFacility
- sFacilityGroup
- sFacility.01
- sFacility.FacilityGroup
- sFacility.02
- sFacility.03
- sFacility.04
- sFacility.05
- sFacility.06
- sFacility.07
- sFacility.08
- sFacility.09
- sFacility.10
- sFacility.11
- sFacility.12
- sFacility.13
- sFacility.14
- sFacility.15

sSoftware

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

- sSoftware

NEMSIS v3.5.0 Change Log
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