

NEMSIS v3.5.1 Change Log

NEMSIS Technical Assistance Center (TAC)

July 05, 2024

Overview

This change log represents the updates made to the NEMESIS data standard released as version 3.5.1. 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 NEMESIS 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 NEMESIS release is as follows:

3.Major.Minor.BuildDateCP#

3 = NEMESIS 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: code." "Identifier if the code used is based on an RxNorm code, an ICD-10 code, or a SNOMED-CT

Added value "SNOMED-CT" with code 9924005

Value "ICD-10" with code 9924001

Impacted elements: [eMedications.03](#)

JIRA ticket: [NEMPUB-180](#)

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XSD Files Impacted

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

COLOR KEY

BLACK	Unchanged
GREEN	New
BLUE	Modified

commonTypes

PersonNameSuffix

Add values

Description: new simpleType based on built-in string type with minimum length of 1 and maximum length of 50.

Impacted elements: ePatient.23

JIRA ticket: [NEMPUB-643](#)

icd10MedSurge

Update regex pattern

Description: add U codes to ICD-10 pattern

Old: "pattern value= "([A-QRSTZ][0-9][0-9A-Z])(\\. [0-9A-Z]{1,3})?"

New: "pattern value= "([A-QRSTUZ][0-9][0-9A-Z])(\\. [0-9A-Z]{1,3})?"

Impacted elements: eHistory.08

JIRA ticket: [NEMPUB-610](#)

CurrentMedicationAdministrationRoute

Change description (documentation tag)

Old: "<xs:documentation> The functioning level of the crew member during this EMS patient encounter</xs:documentation>"

New: "<xs:documentation> The administration route of the medication</xs:documentation>"

Impacted elements: eHistory.15, eMedication.04

JIRA ticket: [NEMPUB-581](#)

PhoneNumber

Update Regex Pattern

Old: <xs:pattern value="([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])"/>

New: <xs:pattern value="([2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9])|(\+[0-9] ?){6,14}[0-9]"/>

Description: the new pattern value allows for international phone numbers in addition to domestic phone numbers.

Impacted elements: dContact.10, dFacility.15, dLocation.12, dPersonnel.09, eInjury.13, ePatient.18, ePayment.59, ePayment.31, ePayment.39 (ePayment.EmployerGroup), sFacility.15.

JIRA ticket: [NEMPUB-696](#)

USNG

Update regex pattern

Description: new snippet expects 10 digits instead of 8 digits, which allows for a higher pinpoint accuracy within 1 meter.

Old: "([1-9] | [1-5][0-9] | 60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{8}"

New: "([1-9] | [1-5][0-9] | 60)[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{10}"

Impacted elements: dFacility.14, dLocation.05, eDisposition.10, eResponse.18, eScene.12, sFacility.14

JIRA ticket: [NEMPUB-726](#)

snomed

Value Restriction Change

Old: maxInclusive value= "9999999999999999"

New: maxInclusive value= "99999999999999999999"

Impacted elements: dConfiguration.07, eHistory.07, eProcedures.03, sConfiguration.03

JIRA ticket: [NEMPUB-708](#)

dAgency

dAgency.04

Change comment

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

New: This has been clarified to reflect that it is the state associated with the EMS Agency number listed in dAgency.02 – EMS Agency Number.

Impacted elements: dAgency.04

JIRA ticket: [NEMPUB-664](#)

dAgency.07

Update Link in Comment

Old: http://www.census.gov/geo/maps-data/data/tract_rel_download.html

New: <https://www.census.gov/geographies/reference-files/2010/geo/relationship-files.html>

Impacted element: ePatient.11, eScene.23, dAgency.07

JIRA ticket: [NEMPUB-684](#)

dAgency.27

Add New Element

Description:

Element number: dAgency.27

Element name: Licensed Agency

National: No State: No

Definition: Indication if the agency is licensed by the state that issued the EMS Agency Number (dAgency.02).

Usage: optional Nillable: No Recurrence: 0:1

NV: No

Comment: Associated with each of the EMS Agency Number (dAgency.02).

Corresponding Enumeration: YesNoValues
Code description: 9923001 No; 9923003 Yes

JIRA ticket: [NEMPUB-719](#)

dContact

dContact.09

URL correction

Old: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

New: <https://www.iso.org/iso-3166-country-codes.html>

JIRA ticket: [NEMPUB-684](#)

dContact.16

Definition and Name Change

Old: "id= "dContact.EMSMedicalDirectorFellowshipTrainedStatus"
name = EMS Medical Director Fellowship Trained Status
definition = Indication if the EMS Medical Director is Fellowship trained"

New: "id= "dContact.EMSMedicalDirectorBoardCertifiedEligible"
Name = EMS Medical Director Board Certified/Eligible
Definition = Indication if the EMS Medical Director has advanced training through a form"

JIRA ticket: [NEMPUB-699](#)

DEMDataset

schema

add new element(dRecord) in DEMDataset's schema location

New: "xs:include schemaLocation= "dRecord_v3.xsd""

dRecord: id: dRecordSection

minOccurs = 0

documentation: Software Information

Impacted element: dRecord.SoftwareApplicationGroup

JIRA ticket: [NEMPUB-729](#)

dPersonnel

dPersonnel.08

update URL for ISO 3166 website

Old: "http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm"

target="_blank">http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm<"

New: "https://www.iso.org/iso-3166-country-codes.html" target="_blank"><https://www.iso.org/iso-3166-country-codes.html><"

JIRA ticket: [NEMPUB-684](#)

dPersonnel.13

Add new enumeration

Description:

Enumeration value = 1513013

documentation: Middle East or North African

Corresponding Enumeration: DemographicRace

JIRA ticket: [NEMPUB-741](#)

updated link for dPersonnel.13

Old: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-089.html>

New: <https://www.federalregister.gov/d/2024-06469>

Corresponding Enumeration: EMS Personnel's Race

JIRA ticket: [NEMPUB-684](#)

dPersonnel.14

updated link for dPersonnel.14

Old: Website: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

New: Website: <https://www.iso.org/iso-3166-country-codes.html>

JIRA ticket: [NEMPUB-684](#)

dPersonnel.20

Add new enumeration

added: enumeration value = “sgn”

Documentation: Sign Language

Corresponding Enumeration: PersonnelForeignLanguageAbility

JIRA ticket: [NEMPUB-659](#)

dRecord

dRecord.01

Add New Element

Description:

Element number: dRecord.01

Element name: Software Creator

National: No State: No

Definition: The name of the vendor who designed the application that created the record for the agency listed in dAgency02.

Usage: recommended Nillable: yes Recurrence: 0 : 1

NV: Not applicable, Not recorded

DataType: String

minLength: 1; maxLength: 50

JIRA ticket: [NEMPUB-729](#)

dRecord.02

Add New Element

Description:

Element number: dRecord.02

Element name: Software name

National: No State: No

Definition: The name of the application used to create the record for the agency listed in dAgency.02.

Usage: recommended Nillable: yes Recurrence: 0 : 1

NV: Not applicable, Not recorded

DataType: String

minLength: 1; maxLength: 50

JIRA ticket: [NEMPUB-729](#)

dRecord.03

Add New Element

Description:

Element number: dRecord.03

Element name: Software Version

National: No State: No

Definition: The version of the application used to create the record for the agency listed in dAgency.02.

Usage: recommended Nillable: yes Recurrence: 0 : 1

NV: Not applicable, Not recorded

DataType: String

minLength: 1; maxLength: 50

JIRA ticket: [NEMPUB-729](#)

eAirway

eAirway.08

Add value

Description: added PN attribute to eAirway.08

New: PNNil : Yes

Attribute name: PN

Usage: Optional

memberType: PN.NoneReported

Impacted Elements: eAirway.08

JIRA ticket: [NEMPUB-669](#)

eArrest

eArrest.01

Changed CARES link

Old: 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 **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)

New: 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:

<https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eArrest.03

Change definition and comment

Old definition & comment: “indication of an attempt to resuscitate the patient who is in cardiac arrest (attempted, not attempted due to DNR, etc).”

New definition & comment: “indication of an attempt to resuscitate the patient who is in cardiac arrest (attempted, not attempted due to DNR, etc) by any EMS.”

JIRA ticket: [NEMPUB-663](#)

eArrest.09

Deprecated Enumeration Value

Old: “Compressions-Hands Only CPR”

New: “Compressions-Hands Only CPR (DEPRECATED)”

Corresponding Enumeration: CPRTYPE

JIRA ticket: [NEMPUB-615](#)

eArrest.10

Changed CARES link

Old: For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.10 is the equivalent of CARES data element #32: Was Hypothermia Care Provided in the Field 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)

New: For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.10 is the equivalent of CARES data element #32: Was Hypothermia Care Provided in the Field as defined by CARES in the CARES Data Dictionary:

<https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eArrest.14

Add Attributes

Description: Data dictionary specifies that if not known, clinician should estimate the date/time of cardiac arrest

New: memberType: PN.UnableToComplete PN.Approximate

JIRA ticket: [NEMPUB-661](#)

eArrest.20

Changed CARES Link

Old: Who Initiated CPR 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)

New: Who Initiated CPR as defined by CARES in the CARES Data Dictionary:

<https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eArrest.21

Changed CARES Link

Old: For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.21 is the equivalent of CARES data element #27 Who First Applied the AED 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)

New: For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.21 is the equivalent of CARES data element #27 Who First Applied the AED as defined by CARES in the CARES Data Dictionary:

<https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eArrest.22

Changed CARES Link

Old: For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.22 is the equivalent of CARES data element #28 Who First Defibrillated the Patient 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)

New: For states and local agencies that participate in the Cardiac Arrest Registry for Enhanced Survival (CARES), eArrest.22 is the equivalent of CARES data element #28 Who First Defibrillated the Patient as defined by CARES in the CARES Data Dictionary:

<https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eDispatch

eDispatch.01

Add Values

Description:

added documentation "Hanging/Strangulation/Asphyxiation" with enumeration value 2301093
added documentation "Intoxicated Subject" with enumeration value 2301095
added documentation "EMS Requested by Law Enforcement" with enumeration value 2301097
added documentation "Active Shooter" with enumeration value 2301099

Corresponding enumeration: DispatchReason

JIRA ticket: [NEMPUB-735](#)

eDispatch.03

Rename element, change its definition and id

Old:

Element name: "eDispatch.03" type= "EMDCardNumber" id= "eDispatch.EMDCardNumber"
Name: EMD Card Number
Definition: "The EMD card number reported by dispatch, consisting of the card number, dispatch level, and dispatch mode."

New:

Element name: "eDispatch.03" type= "EMDDeterminantCode" id= "eDispatch.EMDDeterminantCode"
Name: Determinant Code
Definition: The EMD Determinant Code reported by dispatch, consisting of the card number, dispatch level, and dispatch mode."

Impacted Elements: eDispatch.03

JIRA ticket: [NEMPUB-651](#)

eDispatch.05

Correct element's link

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

New: Patient Acuity definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS at https://www.ems.gov/assets/National_EMS_Core_Content.pdf

Impacted elements: eSituation.13, eDisposition.19

JIRA ticket: [NEMPUB-740](#)

eDisposition

eDisposition.08

Change ISO Website Link

Old: "http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm"

New: "https://www.iso.org/iso-3166-country-codes.html"

JIRA ticket: [NEMPUB-684](#)

eDisposition.14

Add Value

Description: Enumeration value: 4214021; Documentation: Pediatric ambulance Restraint Device
Enumeration value: 4214023; Documentation: Neonatal Ambulance Restraint Device
Enumeration value: 4214025; Documentation: Patient's Car Seat
Enumeration value: 4214027; Documentation: Ambulance Integrated Car Seat

Corresponding Enumeration: PositionOfPatientDuringTransport

JIRA ticket: [NEMPUB-657](#)

eDisposition.19

Update Comment

Old: "Non-Acute/Routine added for use with patients with no clinical issues-such as a refusal for a life assist-or for routine transfer."

New: "Non-Acute/Routine added for use with patients with no clinical issues-such as a refusal for a lift assist-or for routine transfer."

JIRA ticket: [NEMPUB-704](#)

Definition and Name Change

Old: Element name: "eDisposition.19" id= "eDisposition.FinalPatientAcuity"
Name: Final Patient Acuity
Definition: The acuity of the patient's condition after EMS care.
Extension base: "FinalPatientAcuity"

New: Element name: "eDisposition.19" id= "eDisposition.AcuityUponEMSReleaseOfPatient"
Name: Acuity Upon EMS Release of Patient
Definition: The acuity of the patient's condition after EMS release of the patient.
Extension base: "AcuityUponEMSReleaseOfPatient"

Corresponding Enumeration: AcuityUponEMSReleaseOfPatient

JIRA ticket: [NEMPUB-722](#)

Update link in comment

Old: ""http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf"
target="_blank"><http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf<>;"

New: "https://www.ems.gov/assets/National_EMS_Core_Content.pdf" target="_blank">
https://www.ems.gov/assets/National_EMS_Core_Content.pdf<"

JIRA ticket: [NEMPUB-740](#)

eDisposition.20

Change Element's Definition and Comment

Old:

Definition: The reason the unit chose to deliver or transfer the patient to the destination.

Comment: Required if the patient was transported.

New:

Definition: The reason(s) this EMS Unit delivered or transferred the patient to the destination.

Comment: Required if the patient was transported. This NEMSIS data element has no relationship to the 5010 CMA claim file data element. Please refer to ePayment.44 Ambulance Transport Reason Code for billing purposes.

JIRA ticket: [NEMPUB-524](#)

eDisposition.27

Change Definition

Old: "The patient disposition for an EMS event identifying whether patient contact was made."

New: "The unit disposition for an EMS event identifying whether patient contact was made by this EMS Unit/Crew."

JIRA ticket: [NEMPUB-713](#)

eDisposition.30

Update enumeration

Old: Enumeration value: 4230005; Documentation: Transport by Another EMS Unit

Enumeration value: 4230007; Documentation: Transport by Another EMS Unit, with a Member of This Crew

New: Enumeration value: 3240005; Documentation: Transport by Another EMS Unit/Agency

Enumeration value: 4230007; Documentation: Transport by Another EMS Unit/Agency, with a Member of This Crew

Corresponding Enumeration: TransportDisposition

JIRA ticket: [NEMPUB-605](#)

eDisposition.31

New enumeration

Description:

Enumeration value: 4231017; Documentation: Patient Elopement

Corresponding Enumeration: ReasonForRefusalRelease

JIRA ticket: [NEMPUB-721](#)

eExam

eExam.13

Add Enumeration Values

Description: Add new values for “Flank-Left” and “Flank-Right” to eExam.13

Enumeration value: 3513027; Documentation: Flank-Left

Enumeration value: 3513029; Documentation: Flank-Right

Corresponding Enumeration: BackAndSpineAssessmentLocation

JIRA ticket: [NEMPUB-621](#)

eExam.16

Add New Enumeration Values

Description: New Enumerations:

Enumeration value: 3516085; Documentation: Cool/Cold to touch

Enumeration value: 3516087; Documentation: Cyanosis

Enumeration value: 3516089; Documentation: Erythema/Flushing

Enumeration value: 3516091; Documentation: Hot/Warm to touch

Enumeration value: 3516093; Documentation: Lividity

Enumeration value: 3516095; Documentation: Mottle

Enumeration value: 3516097; Documentation: Pale

Corresponding Enumeration: ExtremitiesAssessment

JIRA ticket: [NEMPUB-649](#)

eExam.23

Update Description

Old: “Pain with Inspiraton/Expiration”

New: “Pain with Inspiration/Expiration”

JIRA ticket: [NEMPUB-683](#)

eExam.24

Deprecate values

Description: update the left and right location of the chest exam finding

Old: Enumeration value: 3524003; Documentation: Left – Posterior

Enumeration value: 3524005; Documentation: Right – Posterior

New: Enumeration value: 3524003; Documentation: Left – Posterior (DEPRECATED)

Enumeration value: 3524005; Documentation: Right – Posterior (DEPRECATED)

Corresponding Enumeration: ChestAssessmentLocation

JIRA ticket: [NEMPUB-638](#)

eExam.25

Deprecated Value

Description: update the Tenderness-General location of chest examination

Old: Enumeration value: 3525049; Documentation: Tenderness-General

New: Enumeration value: 3525049; Documentation: Tenderness-General (DEPRECATED)

Corresponding Enumeration: ChestAssessment

JIRA ticket: [NEMPUB-598](#)

Update Enumeration Documentation

Description: Enumeration value: 3525013;

Old: Documentation: “Burn-Charing”

New: Documentation: “Burn-Charring”

Corresponding Enumeration: ChestAssessment

JIRA ticket: [NEMPUB-700](#)

eHistory

eHistory.01

Change Definition

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

New: “Indication of whether or not there were any patient specific barriers to serving the patient.”

JIRA ticket: [NEMPUB-628](#)

eHistory.17

Add Drug Use Indicators

Description: New Enumerations:

Enumeration value: 3117015; Documentation: Bystander/Family reports Drug Use

Enumeration value: 3117017; Documentation: Bystander/Family reports Alcohol Use

Corresponding Enumeration: AlcoholDrugUseIndicators

JIRA ticket: [NEMPUB-623](#)

eHistory.20

Update Descriptions

Description:

Enumeration value = 3120001

Old: “qi (every hour)”

New: “q1h (every hour)”

Enumeration value = 3120011

Old: “tad (three times a day)”

New: “tid (three times a day)”

Enumeration value = 3120025

Old: “has (at bedtime)”

New: “hs (at bedtime)”

Enumeration value = 3120027

Old: “sod (every other day)”

New: “qod (every other day)”

Corresponding Enumeration: CurrentMedicationFrequency

JIRA ticket: [NEMPUB-703](#)

eLabs

eLabs.01

Update Description

Old: "The data and time for the specific laboratory result."

New: "The date and time for the specific laboratory result."

JIRA ticket: [NEMPUB-685](#)

eLabs.03

Deprecate Value

Description: Enumeration value: 3403123;

Old: Documentation: Creatine Phosphokinase (CK)

New: Documentation: Creatine Phosphokinase (CK) (DEPRECATED)

Corresponding Enumeration: LaboratoryResultType

JIRA ticket: [NEMPUB-727](#)

Change Enumeration Description

Description: Enumeration value: 3405001;

Old: Documentation: CAT Scan

New: Documentation: Computed Tomography (CT) scan

Description: Enumeration value: 3405007;

Old: Documentation: PET Scan

New: Documentation: Position emission tomography (PET) scan

Corresponding Enumeration: ImagingStudyType

JIRA ticket: [NEMPUB-693](#)

Update Description

Description: Enumeration value: 3403161

Old: "Troporin T (cTnT)"

New: "Troponin T (cTnT)"

Corresponding Enumeration: LaboratoryResultType

JIRA ticket: [NEMPUB-647](#)

eMedications

eMedications.13

Add new element

Description:

Element Number: eMedication.13

Element Name: Medication Administered by Another Unit

National: No State: Yes

Definition: "Indicates the medication was administered by someone other than the EMS clinicians in this EMS unit. This is not for prior to arrival medications, but for medications administered when multiple units/caregivers are on scene simultaneously providing patient care."

Usage: Recommended Nillable: Yes Recurrence: 0 : 1

NV: Not applicable, Not recorded

Corresponding Enumeration: YesNoValues

Code description: 9923001 No, 9923003 Yes

JIRA ticket: [NEMPUB-723](#)

eOther

eOther.06

Add New Enumerations

Description:

Enumeration value: 4506031; Documentation: Violence – Offensive, intimidating, or hateful language

Enumeration value: 4506033; Documentation: Physical threat, or threatening behavior

Enumeration value: 4506035; Documentation: Physical attack or attempt to attack

Enumeration value: 4506037; Documentation: Unwelcome sexual attention, remarks, jokes or gestures

Enumeration value: 4506039; Documentation: Unwanted touching of a sexual nature

Enumeration value: 4506041; Documentation: Struck-by – Struck by vehicle along roadway

Corresponding Enumeration: TypeOfInjuryDeathOrSuspectedExposure

JIRA ticket: [NEMPUB-728](#)

eOther.19

Change Definition

Old: “The date and time the signature was captured.”

New: “The date and time crew member, or patient, patient representative, or facility representative signature was captured.”

JIRA ticket: [NEMPUB-670](#)

eOther.20

Change Definition

Old: “The last name of the individual who signed the associated signature.”

New: “The last name of the crew member, patient, patient representative, or facility representative associated with the associated signature group.”

JIRA ticket: [NEMPUB-620](#)

eOther.21

Change definition

Old: “The first name of the individual associated with the signature.”

New: “The first name of the crew member, patient, patient representative, or facility representative associated with the associated signature group.”

JIRA ticket: [NEMPUB-692](#)

eOutcome

eOutcome.01

Update Comment

Old: The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6). <https://www.cms.gov/Regulations-and-Guidance/Guidance/Transmittals/downloads/R1104CP.pdf> Search for: "FL 17 – Patient Status"

New: The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and FL 17 - Patient Discharge Status. <https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c25.pdf>. (see "FL 17 – Patient Discharge Status") Codes are available from Medicare contractors and the National Uniform Billing Committee (NUBC, <http://www.nubc.org/>) via the NUBC's Official UB-04 Data Specifications Manual.

JIRA ticket: [NEMPUB-684](#)

eOutcome.02

Update Comment

Old: The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6) <https://www.cms.gov/transmittals/downloads/R1104CP.pdf> Page 35-36 Codes are available from Medicare contractors and the National Uniform Billing company (NUBC <http://www.nubc.org>) via the NUBC's Official UB-04 Data Specifications Manual. Contractor site, Knowledge Trek: http://www.ub04.net/downloads/Medicare_Pub_Ch_25.pdf. Please reference the section "FL 17 - Patient Status" found on page 23-25 of 126.

New: The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and FL 17 - Patient Discharge Status. <https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c25.pdf>

(see "FL 17 – Patient Discharge Status") Codes are available from Medicare contractors and the National Uniform Billing Committee (NUBC, <http://www.nubc.org/>) via the NUBC's Official UB-04 Data Specifications Manual.

JIRA ticket: [NEMPUB-684](#)

eOutcome.21

Add New Element

Description:

Element number: eOutcome.21

Element name: Injury Severity Score

National: No State: No

Definition: The patient's total Injury Severity Score.

Usage: optional Nillable: No Recurrence: 0 : M

NV: No

DataType: Integer

minInclusive value = 0; maxInclusive value = 75

Corresponding Enumeration: InjurySeverityScore

JIRA ticket: [NEMPUB-519](#)

ePatient

ePatient.11

Update Link

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

New: Census Tract Data Website (files and descriptions):
<https://www.census.gov/geographies/reference-files/2010/geo/relationship-files.html>

JIRA ticket: [NEMPUB-684](#)

ePatient.14

Add Pertinent Negatives, Description Update Link in Comment

Description: Added <PNNil> Yes </PNNil>
Attribute name= "PN", use= "optional"
memberType= "PN.Refused PN.Unresponsive PN.UnableToComplete"

Enumeration value: 2514013; Documentation: Middle Eastern or North African

Old comment: OMB requirements are provided at: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-089.html>. Using single multiple choice question methodology to improve the completion of ethnicity information. Ethnicity (Version 2.2.1: E06_13) has been merged with this data element and retired.

New comment: OMB requirements are provided at: <https://www.federalregister.gov/d/2024-06469>. Using single multiple choice question methodology to improve the completion of ethnicity information. Ethnicity (Version 2.2.1: E06_13) has been merged with this data element and retired.

JIRA ticket: [NEMPUB-595](#) [NEMPUB-741](#) [NEMPUB-684](#)

ePatient.15

Add Attribute, Change Definition

Description: attribute name= "PN" use= "optional"
memberType= "PN.Approximate"

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

New definition: "The patient's age (either calculated from date of birth or best approximation) at the time of the incident"

JIRA ticket: [NEMPUB-652](#) [NEMPUB-715](#)

ePatient.23

Add New Element

Description:

Element number: ePatient.23

Element name: Name Suffix

National: No State: No

Definition: The patient's name component following family name that may be used to describe a person's position in a family

Usage: Optional Nillable: No Recurrence: 0 : 1

NV: No

DataType: String

minLength: 1; maxLength: 50

Corresponding Enumeration: NameSuffix

JIRA ticket: [NEMPUB-643](#)

ePatient.24

Add New Element

Description:

Element number: ePatient.24

Element name: Patient Preferred Language

National: No State: No

Definition: The patient's preferred language if any.

Usage: Optional Nillable: No Recurrence: 0 : M

NV: No

DataType: string

minLength: 1; maxLength: 255

Code description:

amh Amharic

ara Arabic
arm Armenian

ben Bengali
crp Cajun (Creole and Pidgins)
chi Chinese
hrv Croatian
cze Czech
dan Danish
dut Dutch
eng English
fin Finnish
tai Formosan
fre French
cpf French Creole
ger German
gre Greek
guj Gujarati
heb Hebrew
hin Hindi (Urdu)
hun Hungarian
ilo Ilocano
itl Italian
jpn Japanese
kor Korean
kro Kru
lit Lithuanian
mal Malayalam
hmn Miao (Hmong)
mkh Mon-Khmer (Cambodian)
nav Navaho
nno Norwegian
pan Panjabi
gem Pennsylvania Dutch (Germanic Other)
per Persian
pol Polish
por Portuguese
rum Romanian
rus Russian
sgn Sign Languages
smo Samoan
srp Serbo-Croatian
slo Slovak
spa Spanish
swe Swedish
syr Syriac

tgl Tagalog
tha Thai (Laotian)
tur Turkish
ukr Ukrainian
vie Vietnamese
yid Yiddish

Corresponding Enumeration: PatientPreferredLanguage

JIRA ticket: [NEMPUB-718](#)

ePayment

ePayment.09

Change Comment

Old: “This element should be used as the Health Plan ID (HPID) field in X12. It is currently under development for X12 and will be a future release.”

New: “This element should be used as the Health Plan ID (HPID) field in X12. It is currently under development for X12 and will be a future release. To align with USCDI consider using the Issuer Identification Number (IIN) or Processor Control Number (PCN).”

JIRA ticket: [NEMPUB-597](#)

ePayment.16

Update ISO Link

Old: Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: <a>http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

New: Based on the ISO Country Code.

ANSI Country Codes (ISO 3166) Website: https://www.iso.org/iso-3166-country-codes.html

JIRA ticket: [NEMPUB-684](#)

ePayment.30

Update ISO Link

Old: Based on the ISO Country Code. ANSI Country Codes (ISO 3166) Website: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

New: Based on the ISO Country Code. ANSI Country Codes (ISO 3166) Website: <https://www.iso.org/iso-3166-country-codes.html>

JIRA ticket: [NEMPUB-684](#)

ePayment.38

Update ISO Link

Old: Based on the ISO Country Code. ANSI Country Codes (ISO 3166) Website:

http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

New: Based on the ISO Country Code. ANSI Country Codes (ISO 3166) Website:

<https://www.iso.org/iso-3166-country-codes.html>

JIRA ticket: [NEMPUB-684](#)

ePayment.44

Update Link

Old: The Ambulance Transport Code values are those determined by US Dept of HHS for the "Code indicating the type of ambulance transport". The Accredited Standards Committee X12 organization maintains the standard. See the X12 website <http://www.x12.org> or United States Health Information Knowledgebase website for more information:

<https://ushik.ahrq.gov/ViewItemDetails?system=sdo&itemKey=133080000>

New: The Ambulance Transport Code values are those determined by US Dept of HHS for the "Code indicating the type of ambulance transport". The Accredited Standards Committee X12 organization maintains the standard. See the X12 website <http://www.x12.org> or United States Health Information Knowledgebase website for more information:

<https://ushik.ahrq.gov/ViewItemDetails?system=sdo&itemKey=133080000>

JIRA ticket: [NEMPUB-684](#)

eProcedures

eProcedures.14

Add New Element

Description:

Element number: eProcedures.14

Element name: Airway Placement Technique

National: No State: No

Definition: The manner/equipment used during the placement of the advanced airway

Usage: recommended Nillable: Yes Recurrence: 0 : M

NV: Not applicable, not recorded

Comment: Version 3 Changes Implemented; Added to better document airway management

DataType: string

minLength: 2; maxLength:255

Code description:

4012001 Blind Digital Technique

4012003 Cross Finger Technique

4012005 Direct Laryngoscopy

4012007 Fiberoptic Laryngoscopy

4012009 Indirect Laryngoscopy

4012011 Video Laryngoscop

Corresponding Enumeration: AirwayPlacementTechnique

JIRA ticket: [NEMPUB-701](#)

eProcedures.15

Add New Element, Change Enumeration Value

Description:

Element number: eProcedures.15

Element name: Procedure Performed by Another Unit

National: No State: Yes

Definition: Indicates the procedure was performed by someone other than the EMS clinicians in this EMS unit. This is not for prior to arrival procedures, but for procedures performed when multiple units/caregivers are on scene simultaneously providing patient care.

Usage: Recommended Nillable: Yes Recurrence: 0 : 1

NV: Not applicale, not recorded

Corresponding Enumeration: YesNoValues
Code description: 9923001 No, 9923003 Yes

JIRA ticket: [NEMPUB-723](#)

eResponse

eResponse.05

Correct Comment

Old: 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.

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; "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.

JIRA ticket: [NEMPUB-673](#)

eResponse.09

Add value

Description: add new enumeration

Enumeration value: 2209035

Documentation: Out of Service Area Response

Corresponding Enumeration: TypeOfResponseDelay

JIRA ticket: [NEMPUB-637](#)

eScene

eScene.02

Change Definition, Update Link, Update Comment

Old definition: “Other EMS agency names that were at the scene, if any.”

New definition: “The name(s) of other EMS or Public Safety Agencies at the scene.”

Old link: #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary:

[https://mycares.net/sitepages/uploads/2020/Data%20Dictionary%20\(2021\).pdf](https://mycares.net/sitepages/uploads/2020/Data%20Dictionary%20(2021).pdf)

New link: #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary:

<https://mycares.net/sitepages/uploads/DataDictionary>

Old comment: Other EMS agencies that were at the scene, if any.

New comment: The name(s) of other EMS or Public Safety Agencies at the scene.

JIRA ticket: [NEMPUB-654](#) [NEMPUB-608](#)

eScene.03

Update Comment and Link

Old link: #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary:

[https://mycares.net/sitepages/uploads/2020/Data%20Dictionary%20\(2021\).pdf](https://mycares.net/sitepages/uploads/2020/Data%20Dictionary%20(2021).pdf)

New link: #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary:

<https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eScene.04

Change Description

Enumeration Value: 2704009

Old: “Law”

New: “Law Enforcement”

Corresponding Enumeration: OtherServicesAtScene

JIRA ticket: [NEMPUB-705](#)

eScene.22

Update Link in Comment

Old: Based on the ISO Country Code. ANSI Country Codes (ISO 3166) Website: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

New: Based on the ISO Country Code. ANSI Country Codes (ISO 3166) Website: <https://www.iso.org/iso-3166-country-codes.html>

JIRA ticket: [NEMPUB-684](#)

eScene.23

Update Link in Comment

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

New: Census Tract Data Website (files and descriptions): <https://www.census.gov/geographies/reference-files/2010/geo/relationship-files.html>

JIRA ticket: [NEMPUB-684](#)

eScene.24

Update Comment and Link

Old link: #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary: [https://mycares.net/sitepages/uploads/2020/Data%20Dictionary%20\(2021\).pdf](https://mycares.net/sitepages/uploads/2020/Data%20Dictionary%20(2021).pdf)

New link: #16 Fire/First Responder as defined by CARES in the CARES Data Dictionary: <https://mycares.net/sitepages/uploads/DataDictionary>

JIRA ticket: [NEMPUB-608](#)

eScene.25

Add New Element, Change Enumeration Description

Description:

Element number: eScene.25

Element name: Transferred Patient/Care To/From Agency

National: No

State: No

Definition: This element documents the transfer of a patient for care/transport in the field to or from the EMS agency listed in eScene.02

Usage: Recommended

Niltable: Yes

Recurrence: 0 : 1

NV: Not applicable, Not recorded

DataType: String

Code Description:

Enumeration value: 2725001; Documentation: Transferred Patient to Agency

Enumeration value: 2725003; Documentation: Received Patient from Agency

Enumeration value: 2725005; Documentation: No Transfer of Patient/Care To/From Agency

Old Enumeration(TransferOfPatientCare) Description: Transferred Patient/Care To/From Agency

New Enumeration(TransferOfPatientCare) Description: This element documents the transfer of a patient for care/transport in the field to or from the EMS agency listed in eScene.02

Corresponding Enumeration: TransferOfPatientCare

JIRA ticket: [NEMPUB-596](#)

eSituation

eSituation.13

Update Link in Comment

Old: <http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf>

New: https://www.ems.gov/assets/National_EMS_Core_Content.pdf

Corresponding enumeration: InitialPatientAcuity

JIRA ticket: [NEMPUB-740](#)

Update Comment

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

New: "Non-Acute/Routine" added for use with patients with no clinical issues-such as refusal for a lift assist-or for routine transfers.

JIRA ticket: [NEMPUB-704](#)

eSituation.15

Update Link in Comment

Old: From the North American Industry Classification System (NAICS) from US Bureau of Labor Statistics (<http://www.census.gov/cgi-bin/sssd/naics/naicsrch?chart=2007>).

New: From the North American Industry Classification System (NAICS) from US Bureau of Labor Statistics (<https://www.census.gov/naics/?58967?yearbck=2022>).

JIRA ticket: [NEMPUB-702](#)

AssociatedSymptoms

Update regex pattern

Old: <xs:pattern value="(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9][0-9A-Z])(\.[0-9A-Z]{1,4})?)" />

New: <xs:pattern value="(R[0-6][0-9](\[0-9]{1,4})?(R73\.9)|(R99))|([A-QSTUZ][0-9][0-9A-Z])(\[0-9A-Z]{1,4})?" />

Corresponding enumeration: AssociatedSymptoms

Elements that use AssociatedSymptoms: eSituation.09, eSituation.10

JIRA ticket: [NEMPUB-610](#)

ProvidersImpression

Update regex pattern

Old: <xs:pattern value="(R[0-6][0-9](\[0-9]{1,4})?(R73\.9)|(R99))|([A-QSTZ][0-9][0-9A-Z])(\[0-9A-Z]{1,4})?" />

New: <xs:pattern value="(R[0-6][0-9](\[0-9]{1,4})?(R73\.9)|(R99))|([A-QSTUZ][0-9][0-9A-Z])(\[0-9A-Z]{1,4})?" />

Corresponding Enumeration: ProvidersImpression

Elements that use ProvidersImpression: eSituation.11, eSituation.12

JIRA ticket: [NEMPUB-610](#)

eSituation.18

Add Attribute

Old: <xs:union memberTypes="PN.UnableToComplete"/>

New: <xs:union memberTypes="PN.UnableToComplete PN.Approximate"/>

JIRA ticket: [NEMPUB-606](#)

eSituation.19

Update Comment

Old: This is the diagnosis or reason for transfer, or medical transport or Integrated Healthcare Encounter provided by the ordering physician or medical provider. Hospital-to-hospital transfers and medical transports are based on the ordering medical provider, and not the EMS provider's impression. The text of the reason or diagnosis would be entered here rather than using the patient complaint field (as the patient may still have complaints to document), eSituation.11 Provider's Primary Impression or eSituation.12 Provider's Secondary Impressions. This element should only be documented when eResponse.05 Type of Service Requested is Hospital-to-Hospital Transfer, Hospital-to-Hospital Transfer (with Sending Hospital Staff), Hospital-to-Hospital Transfer (Critical or Specialty Care), Other Medical Needs Transport, Mobile Integrated Health Care Evaluation or Visit. A new national Schematron rule exists for this with v3.5.0.

New: This is the diagnosis or reason for transfer, or medical transport or Integrated Healthcare Encounter provided by the ordering physician or medical provider. Hospital-to-hospital transfers and medical transports are based on the ordering medical provider, and not the EMS provider's impression. The text of the reason or diagnosis would be entered here rather than using the patient complaint field (as the patient may still have complaints to document), eSituation.11 Provider's Primary Impression or eSituation.12 Provider's Secondary Impressions. This element should only be documented when eResponse.05 Type of Service Requested is Hospital-to-Hospital Transfer, Other Medical Needs Transport, Mobile Integrated Health Care Evaluation or Visit.

JIRA ticket: [NEMPUB-631](#)

eTimes

eTimes.13

Update Definition

Old: “The date/time the unit back was back in service and available for response (finished with call, but not necessarily back in home location).”

New: “The date/time the unit was back in service and available for response (finished with call, but not necessarily back in home location).”

JIRA ticket: [NEMPUB-660](#)

eVitals

eVitals.30

Update Element's Documentation, Add Enumeration

Enumeration value: 3330013

Old Documentation: FAST-ED

New Documentation: FAST

New Enumeration:

Enumeration value: 33330025

Documentation: Vision, Aphasia, Neglect (VAN)

Enumeration value: 3330027

Documentation: FAST-ED

Enumeration value: 3330029

Documentation: BEFAST

Corresponding Enumeration: TypeOfStrokeScale

JIRA ticket: [NEMPUB-691](#) [NEMPUB-634](#) [NEMPUB-712](#)

eVitals.34

Add New Element

Description: added new element (Stroke Severity Score)

Element number: eVital.34

Element name: Stroke Severity Score

National: No State: No

Definition: The stroke severity value associated with the stroke scale type listed in eVitals.30

Usage: recommended Niltable: Yes Recurrence: 0 : 1

NV: Not applicable, Not recorded

Comment: Score associated with the stroke scale listed in eVitals.30s

DataType: Integer

minInclusive: 0

maxInclusive: 42

Corresponding Enumeration: StrokeSeverityScore

JIRA ticket: [NEMPUB-668](#)