

Cardiac
Arrest
Registry to
Enhance
Survival

CARES

Version 3.5

Data Dictionary

LAST UPDATED – 11/2024 (v1.90)

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The CARES Dataset, Version 3.5 is composed of three separate components. 1) A First Responder Dataset provides a standardized set of definitions describing a First Responding Agency event for a Cardiac Arrest event. 2) An EMS Dataset provides a standardized set of definitions describing an EMS event. 3) A Hospital Dataset provides a standardized set of definitions describing a Hospital event. This dataset employs the NEMSIS 3.5.0 standard.

Any implementation of the CARES Version 3.5 dataset must include the use of the EMS dataset, and XML standard.

Information provided in this document includes the following:

Name of the Data Element

Definition of the Data Element

Data Type of the Data Element (many data elements have comments provided to assist in the implementation of a database schema)

How to deal with missing or incomplete information (See Missing Data or Null Values below)

Notes:

- *Constraints - the constraints reflected in the fields in this document are meant to correspond to CARES constraints. See the NEMSIS definitions www.nemsis.org for more detailed element information.*
- *There may be more than one NEMSIS code mapped to a CARES field in enumerated elements. For instance, more than one NEMSIS code might map to CARES "Other" field as specified in the element definitions.*
- *If a dateTime field has no time component, such as Date of Birth, use dateTime format and pass in midnight (all zeroes).*
- *NOT Values are ignored by CARES unless its use is specifically noted on an element's page.*

PARSING NOTES

If an XML file contains an incident that already exists in CARES for the agency based on its PCR UUID, it will not be imported. If the same incident UUID recurs inside of a single submission, only the first occurrence will be imported.

If an incident was already entered directly in CARES with the same Date of Arrest and Incident Number for a given agency (based on eArrest.14 or eTimes.03 and eResponse.03), the XML incident will not be imported.

Cardiac Arrest Registry to Enhance Survival (myCARES) Dataset (2020)

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Header

General Information

EMS Agency Unique State ID

dAgency.01

Definition

The unique ID assigned to the EMS Agency which is associated with all state licensure numbers and information.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1:1

Constraints

Data Type

String

minLength

1

maxLength

50

Data Element Comment

This value must match the value set in the myCARES agency profile configuration.

EMS Agency Number

dAgency.02

Definition

The state-assigned provider number of the responding agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	1	15

Data Element Comment

This value must match the value set in the myCARES agency profile configuration.

This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event section.

EMS Agency State

dAgency.04

Definition

The state/territory which assigned the EMS agency number.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_0	Is Nillable	No
Usage	Mandatory	Recurrence	1:1

Constraints

Pattern

[0-9]{2}

Data Element Comment

This value must match the value set in the myCARES agency profile configuration.

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.

Software Used to Create This File

eRecord.03

Definition

The name of the software used to create this file.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_03	Is Nillable	No
Usage	Mandatory	Recurrence	1:1

Constraints

Data Type
String

minLength
1

maxLength
50

Data Element Comment

This is the EMS Agency's software, not the state or other level software, which electronically received the data from the local EMS Agency.

Software Version

eRecord.04

Definition

The version of the application used to create this record.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1:1

Constraints

Data Type
String

minLength
1

maxLength
50

EMS Dataset

Call Information

Date of Arrest

eArrest.14

Definition The date of the cardiac arrest.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E11_08	Is Nillable	Yes (NEMESIS) No (CARES)
Usage	Required	Recurrence	1:1

Constraints

Data Type
dateTime

minInclusive
1950-01-01T00:00:00-00:00

maxInclusive
2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

If none is passed and eTimes.03 is nil or missing, the date value from eTimes.03 will be used.

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>

Changed from estimated time prior to EMS arrival to date/time of cardiac arrest.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy a four-digit numeral that represents the year
 '-' separators between parts of the date portion
 mm a two-digit numeral that represents the month
 dd a two-digit numeral that represents the day
 T separator that indicates time-of-day follows
 hh a two-digit numeral that represents the hour
 ':' a separator between parts of the time-of-day portion
 mm a two-digit numeral that represents the minute
 ss a two-integer-digit numeral that represents the whole seconds
 '.' s+ (not required) represents the fractional seconds
 zzzzzz (required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh a two-digit numeral (with leading zeros as required) that represents the hours
 mm a two-digit numeral that represents the minutes
 '+' a nonnegative duration

Incident Number

eResponse.03

Definition

The incident number assigned by the 911 Dispatch System.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E02_02	Is Nillable	Yes (NEMESIS) No (CARES)
Usage	Required	Recurrence	1:1

Constraints

Data Type
String

minLength
3

maxLength
50

Data Element Comment

The combination of Date of Arrest and Call Number must represent a unique event. **myCARES does not accept Not Values or Nil for this field. An Incident Number must be present in every Patient Care Report.**

EMS Response Number

eResponse.04

Definition

The internal EMS response number which is unique to each EMS vehicle's response to an incident within an EMS agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Required (NEMSIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type

String

minLength

3

maxLength

50

Data Element Comment

This number can be passed as additional incident identifier.

Incident Address

eScene.15

Definition

The street address where the incident occurred.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E08_11	Is Nillable	Yes
Usage	Recommended (NEMESIS) Required (CARES)	Recurrence	0:1

Constraints

Data Type
String

minLength
1

maxLength
255

Data Element Comment

****CARES REQUIRED FIELD IN 2012****

Incident City

eScene.17

Definition The city where the incident occurred.			
National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E08_12	Is Nillable	Yes
Usage	Recommended (NEMESIS) Required (CARES)	Recurrence	0:1

Data Element Comment

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Incident State ID

eScene.18

Definition The state where the incident occurred.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E08_14	Is Nillable	Yes
Usage	Required	Recurrence	1:1

Constraints

Data Type	length
String	2

Data Element Comment

Based on the ANSI State Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

****CARES REQUIRED FIELD IN 2012****

Incident Zip Code

eScene.19

Definition The zip code where incident occurred.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element	E08_15	Is Nillable	Yes
Usage	Required	Recurrence	1:1

Constraints

Pattern

[0-9]{5}||[0-9]{5}-[0-9]{4}||[0-9]{5}-[0-9]{5}||[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

Data Element Comment

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>
Product: USA - 5-digit ZIP Code Database, Commercial Edition.

****CARES REQUIRED FIELD IN 2012*z**

Incident County ID

eScene.21

Definition The FIPS County code where incident occurred.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E08_13	Is Nillable	Yes
Usage	Required	Recurrence	1:1

Constraints

Data Type	length
String	5

Data Element Comment

Based on the ANSI Code. Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes). Should be required if there is a patient associated with the event. 5 digits can be passed with leading zeroes up to the county code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

****CARES REQUIRED FIELD IN 2012****

Patient First Name

ePatient.03

Definition

The patient's first name.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E06_02	Is Nillable	Yes
Usage	Recommended (NEMESIS) Required (CARES)	Recurrence	0:1

Attributes

Pertinent Negatives (PN)

8801019 – Refused 8801023 - Unable to Complete

Constraints

Data Type

String

minLength

1

maxLength

50

Data Element Comment

****CARES REQUIRED FIELD IN 2012****

Patient Last Name

ePatient.02

Definition

The patient's last name.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E06_01	Is Nillable	Yes
Usage	Recommended (NEMESIS) Required (CARES)	Recurrence	0:1

Attributes

Pertinent Negatives (PN)

8801019 – Refused 8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

****CARES REQUIRED FIELD IN 2012****

Patient Age

ePatient.15

Definition The patient's age.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E06_14	Is Nillable	Yes
Usage	Required	Recurrence	1:1

Constraints

Data Type
Integer

minInclusive
1

maxInclusive
120

Data Element Comment

****CARES REQUIRED FIELD IN 2012****

Patient Age Units

ePatient.16

Definition

The unit used to define the patient's age.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E06_15	Is Nillable	Yes
Usage	Required	Recurrence	1:1

Code List

Code	Description
2516001	Days
2516003	Hours
2516005	Minutes
2516007	Months
2516009	Years

Data Element Comment

Hours and Minutes will be calculated into days by CARES parsing.

Patient Date of Birth

ePatient.17

Definition

The patient's date of birth.

National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E06_16	Is Nillable	Yes
Usage	Recommended (NEMESIS) Required (CARES)	Recurrence	1:1

Attributes

Pertinent Negatives (PN)

8801019 – Refused 8801023 - Unable to Complete

Constraints

Data Type

date

minInclusive

1890-01-01

maxInclusive

2050-01-01

Data Element Comment

Valid date. To indicate an unknown DOB, send Unable to Complete or Refused PN.

****Either DOB OR DOB Unknown is REQUIRED by CARES IN 2012****

Patient Gender

ePatient.13

Definition The patient's gender.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E06_11	Is Nillable	Yes
Usage	Required	Recurrence	1:1

Code List

Code	Description
9906001	Female
9906003	Male
9906007	Female-to-Male, Transgender Male
9906009	Male-to-Female, Transgender Female
9906011	Non-Binary
9906005	No CARES mapping

****CARES REQUIRED FIELD IN 2012****

Patient Race/Ethnicity

ePatient.14

Definition

The patient's race/ethnicity.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_12	Is Nillable	Yes
Usage	Required	Recurrence	1:M

Attributes

NOT Values (NV)

7701001 - Not Applicable (not mapped by CARES) 7701003 - Not Recorded

Code List

Code	Description
2514001	American Indian or Alaska Native
2514003	Asian
2514005	Black or African American
2514007	Hispanic or Latino
2514009	Native Hawaiian or Other Pacific Islander
2514011	White

Data Element Comment

The patient's ethnicity.

Not Value of "Not Recorded" will map to the myCARES "Unknown" value.

****CARES REQUIRED FIELD IN 2012****

Medical History

eHistory.08

Definition The patient's pre-existing medical or surgical history.			
National Element	No	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_10	Is Nillable	Yes
Usage	Recommended	Recurrence	0:M

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801015 - None Reported 8801019 – Refused 8801023 - Unable to Complete 8801021 – Unresponsive

CorrelationID

Data Type	minLength	maxLength
String	0	255

Attributes

Pattern

([A-QSTZ][0-9]{2})(\.[0-9A-Z]{1,3})?

Code List (accepted by CARES)

Code	Description
8801015	No (Pertinent Negative)
8801023	Unknown (Pertinent Negative)
ICD-10 starts with C00-C99, D00-D99*, R97	Cancer
ICD-10 starts with E08-E13	Diabetes
ICD-10 starts with I05-09, I20-27, I30-I52, I95, Q20-24, Z95	Heart Disease
ICD-10 starts with E78	Hyperlipidemia
ICD-10 starts with I10-16	Hypertension
ICD-10 starts with N00-08, N10-19	Renal Disease
ICD-10 starts with J12, J40-47, J80-86, J90-99 or is B97.21 or B97.4	Respiratory Disease
ICD-10 starts with I60-63, I69	Stroke

*D49.9 will not import as Cancer.

Data Element Comment

Any other eHistory.08 value will map to "Other". Please pass text of what other is in MedHistoryOtherStr.

All other scenarios will map to "Unknown".

*****SUPPLEMENTAL*****

Medical History Other

eCustomConfiguration.MedicalHistoryOtherStr

Definition

Field used to pass a text/string value for Medical History Other.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type
String

minLength
1

maxLength
50

Data Element Comment

Any other eHistory.08 value will map to "Other". This field is used to pass a text/string value for Medical History Other.

*****SUPPLEMENTAL*****

Fire/First Responder

eScene.03 and eScene.24

Definition The Fire/First Responder code for this event.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No (eScene.03) Yes (eScene.24)
Version 2 Element		Is Nillable	No
Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 - Not Applicable (not mapped by CARES)

Constraints – eScene.03

Data Type	minLength	maxLength
String	1	15

Code List – eScene.24

Code	Description
9923001	No
9923003	Yes

Data Element Comment

This is the first responder agency that first provided medical care during the arrest.

eScene.03 values are unique to an agency in CARES and may comprise a list of First Responder names in the myCARES application. Many states provide a list of all First Responder Agency Import Value Codes. Lists can also be obtained from the agency.

eScene.24 must be passed as “Yes” with eScene.03 in order for myCARES to identify which eScene.03 import value code is the first First Responder to provide medical care on scene.

Fire/First Responder is a CARES Required field. The following will be accepted by myCARES:

- First instance of eScene.24 = “Yes” with an associated import value code listed in eScene.03 will be mapped to Fire/First Responder.

All other combinations including no eScene.ResponderGroup being sent will select “No First Responder Dispatched” checkbox*.

*Note: Agencies that first respond with other units from their own agency on 100% of arrests may request an import default first responder of their agency to be applied instead of “No First Responder Dispatched.”

****CARES REQUIRED FIELD IN 2012****

Destination Hospital

eDisposition.02 / eDisposition.21

Definition The destination hospital code for this event.			
National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No (CARES) Yes (NEMESIS)
Version 2 Element	E20_02	Is Nillable	No (CARES) Yes (NEMESIS)
Usage	Required (CARES; see comments) Recommended (NEMESIS)	Recurrence	1:1

Constraints

Data Type
String

minLength
2

maxLength
50

Code List

Valid Destination Hospital w/ Agency or State Data Set Facility Import Value as set up in myCARES.

Data Element Comment

Established state facility codes are preferred. If the patient is Pronounced in the Field (End of the Event), Destination Hospital is not expected or required.

CARES only imports eDisposition.02 when eDisposition.21 = Hospital (4221003 or 4221005) or Freestanding ED (4221023) or eDisposition.02 has a Not Value. All other destination types in eDisposition.21 are not supported for import in CARES.

EMS Dataset

Arrest Information

Location Type

eScene.09

Definition The type of location where the incident occurred.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:1

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMESIS Suggested Lists at: <https://nemesis.org/technical-resources/version-3/version-3-resource-repository/>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

The ICD-10 values will be mapped to the following CARES values:

- 1 Home/Residence
- 2 Public/Commercial Building
- 3 Street/Hwy
- 4 Nursing Home
- 6 Healthcare Facility
- 9 Place of Recreation
- 10 Industrial Place
- 14 Other
- 15 Transport Center

****CARES REQUIRED FIELD IN 2012****

Location Type Other

eCustomConfiguration.LocationTypeOther

Definition The type of location where incident occurred; Other text field.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

If sending Y92.8 for eScene.09, XML should contain this custom element with a value. Otherwise, this is optional and only used to clarify an Other location.

Arrest Witness Status

eArrest.01 and eArrest.04

Definition A witnessed arrest is one that is seen or heard by another person.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:1 (eArrest.01) 1:M (eArrest.04)

Data Element Comment

eArrest.01 and eArrest.04 are mapped to the CARES field, Arrest Witnessed Status:

Unwitnessed:

eArrest.01 = 3001003 Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders) **AND**
eArrest.04 = 3004001 Not witnessed

Witnessed by Bystander:

eArrest.01 = 3001003 Yes, Prior to Any EMS Arrival (includes Transport EMS & Medical First Responders) **AND**
eArrest.04 = 3004003 Witnessed by Family Member **AND/OR**
eArrest.04 = 3004005 Witnessed by Healthcare Provider **AND/OR**
eArrest.04 = 3004007 Witnessed by Bystander

Witnessed by 911 Responder:

eArrest.01 = 3001005 Yes, After Any EMS Arrival (includes Transport EMS & Medical First Responders) **AND**
eArrest.04 = 3004003 Witnessed by Family Member **AND/OR**
eArrest.04 = 3004005 Witnessed by Healthcare Provider **AND/OR**
eArrest.04 = 3004007 Witnessed by Bystander

ELSE, field is left **BLANK** for following paired values:

eArrest.01 = 3001005 Yes, After Any EMS Arrival (includes Transport EMS & Medical First Responders) **AND**
eArrest.04 = 3004001 Not witnessed

Presumed Cardiac Arrest Etiology

eArrest.02

Definition Indication of the etiology or cause of the cardiac arrest.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No (CARES) Yes (NEMSIS)
Version 2 Element	E11_02	Is Nillable	No (CARES) Yes (NEMSIS)
Usage	Required	Recurrence	1:1

Code List

Code	Description
3002001	Presumed Cardiac Etiology
3002015	Trauma
3002013	Respiratory/Asphyxia
3002003	Drowning/Submersion
3002007	Electrocution
3002011	Other
3002009	Exsanguination/Hemorrhage
3002005	Drug Overdose

Data Element Comment

See Custom Element CardiacEtiologyOther on next page for usage of "Other" values.

****CARES REQUIRED FIELD IN 2012****

Presumed Cardiac Arrest Etiology Other

eCustomConfiguration.CardiacEtiologyOther

Definition

Field used to pass a text/string value for Presumed Cardiac Arrest Etiology Other.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type

String

minLength

1

maxLength

50

Data Element Comment

Only send this element when eArrest.02 = 3002011.

EMS Dataset

Resuscitation Information

Resuscitation Attempted By 911 Responder (or AED shock given prior to EMS arrival)

eArrest.03, eArrest.07, eArrest.20, eArrest.22

Definition Indication of an attempt to resuscitate the patient who is in cardiac arrest.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:M (eArrest.03) 1:1 (eArrest.07, eArrest.20), eArrest.22)

Attributes

NOT Values (NV)

7701001 - Not Applicable (not mapped by CARES) 7701003 - Not Recorded

Data Element Comment

See https://nemsis.org/media/nemsis_v3/release-3.5.0/DataDictionary/PDFHTML/EMSDEMSTATE/index.html

Yes:

eArrest.03 = 3003001 Attempted Defibrillation **OR** 3003003 Attempted Ventilation **OR** 3003005 Initiated Chest Compressions **OR**

eArrest.07 = 3007003 Yes, Applied without Defibrillation **OR** = 3007005 Yes, Applied With Defibrillation **OR**

eArrest.20 = Any Code/Value (not NV) **OR**

eArrest.22 = Any Code/Value (not NV)

No:

eArrest.03 = 3003007 Not Attempted-Considered Futile **OR** 3003009 Not Attempted-DNR Orders **OR** 3003011 Not Attempted-Signs of Circulation **OR** NV **AND**

eArrest.07 = 3007001 No **OR** NV **AND**

eArrest.20 = NV **AND**

eArrest.22 = NV

****FIELD CHANGED IN 2011****

****CARES REQUIRED FIELD IN 2012****

Who Initiated CPR

eArrest.20

Definition Identifies the initial person to perform CPR.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3020001	Bystander
3020003	Family Member
3020005	Healthcare Provider (non-911 Responder)
3020007	First Responder
3020009	First Responder
3020011	First Responder
3020013	EMS Responder (transport EMS)

Data Element Comment

The NEMSIS codes map to the corresponding CARES answer choice (description) as shown above.

****CARES REQUIRED FIELD IN 2012****

Did Law Enforcement initiate CPR?

eArrest.20

Definition

Identifies if the First Responder who was responsible for initiating CPR was Law Enforcement.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Required/Optional (see comments)	Recurrence	0:1

Code List

Code	Description
3020009	Yes
3020007	No
3020011	No

Type of Bystander CPR Provided

eCustomConfiguration.BystanderCPRProvidedID

Definition Describes type of CPR (if) performed by a bystander.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Compressions and ventilations
2	Compressions only
3	Ventilations only
8	Unknown

Data Element Comment

If custom element BystanderCPRProvidedID is not included in the incident, "Unknown" will be populated in CARES.

****NEW FIELD IN 2011****

*****SUPPLEMENTAL*****

Were Dispatcher CPR instructions provided eCustomConfiguration.CPRInstructionsProvided

Definition

Indicates if dispatcher CPR instructions were provided to the caller.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No
3	Unknown

Data Element Comment

If custom element CPRInstructionsProvided is not included in the incident, "Unknown" will be populated in CARES.

****NEW FIELD IN 2011****

*****SUPPLEMENTAL*****

Was an AED applied prior to EMS arrival

eArrest.07

Definition Identifies if an AED was applied, with or without defibrillation, prior to the transporting provider's arrival on scene.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:1

Code List

Code	Description
3007001	No
3007003	Yes, without defibrillation
3007005	Yes, with defibrillation

Data Element Comment

****NEW FIELD IN 2011****

****CARES REQUIRED FIELD IN 2012****

Who First Applied the AED

eArrest.21

Definition Identifies the individual who initially applied the AED during resuscitation.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) *No (CARES, see Comment)
Version 2 Element		Is Nillable	Yes
Usage	*Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3021001	Bystander
3021003	Family Member
3021005	Healthcare Provider (non-911 Responder)
3021009	Law Enforcement First Responder
3021007	Non-Law Enforcement First Responder
3021011	Non-Law Enforcement First Responder
3021013	EMS Responder (transport EMS)

Data Element Comment

*If eArrest.07, Was an AED applied prior to EMS arrival = 3007001 (No), then any value passed in this field will be removed in parsing. In this case, please pass a nil and any NV in Who First Applied the AED. NEMSIS value 3021013 EMS Responder (transport EMS) is ignored in parsing and will not map, as this is not an answer choice in myCARES.

****CARES REQUIRED FIELD IN 2012****

Who First Defibrillated the Patient

eArrest.22

Definition			
Identifies the individual who was responsible for first defibrillating the patient.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
3022001	Bystander
3022003	Family Member
3022005	Healthcare Provider (non-911 Responder)
3022009	Law Enforcement First Responder
3022007	Non-Law Enforcement First Responder
3022011	Non-Law Enforcement First Responder
3022013	EMS Responder (transport EMS)

Data Element Comment

****NEW FIELD IN 2011****

****CARES REQUIRED FIELD IN 2012****

Did 911 Responder perform CPR

eArrest.09 and eArrest.20

Definition			
Indicates if 911 responder (BLS and/or ALS) performed CPR during the event.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:M (eArrest.09) 1:1 (eArrest.20)

Yes:

eArrest.09 (Type of CPR Provided) is any of:

- 3009001 Compressions-Manual
- 3009003 Compressions-External Band Type Device
- 3009005 Compressions-External Plunger Type Device
- 3009007 Compressions-External Thumper Type Device
- 3009009 Compressions-Intermittent with Ventilation
- 3009011 Compressions-Other Device
- 3009021 Compressions-Hands Only CPR
- 3009013 Ventilation-Bag Valve Mask
- 3009015 Ventilation-Impedance Threshold Device
- 3009017 Ventilation-Mouth to Mouth
- 3009019 Ventilation-Pocket Mask
- 3009023 Ventilation-with OPA/NPA
- 3009025 Ventilation-Advanced Airway Device
- 3009027 Ventilation-Passive Ventilation with Oxygen

OR eArrest.20 (Who First Initiated CPR) is any of:

- 3020007 First Responder (EMS)
- 3020009 First Responder (Law Enforcement)
- 3020011 First Responder (non-EMS Fire)
- 3020013 EMS Responder (transport EMS)

No:

If none of the above are true, No will be set on import.

Data Element Comment

*****SUPPLEMENTAL*****

EMS Dataset

First Cardiac/ROSC Information

First Arrest Rhythm of Patient

eArrest.11

Definition

The first monitored rhythm is the first cardiac rhythm present when a manual (monitor/defibrillator) or AED (automated external defibrillator) is attached to a patient after cardiac arrest.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No (CARES) Yes (NEMESIS)
Version 2 Element	E11_05	Is Nillable	No (CARES) Yes (NEMESIS)
Usage	Required	Recurrence	1:1

Code List

Code	Description
3011001	Asystole
3011005	PEA
3011007	Unknown AED Non-Shockable Rhythm
3011009	Unknown AED Shockable Rhythm
3011011	Ventricular Fibrillation
3011013	Ventricular Tachycardia-Pulseless

Data Element Comment

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>

myCARES will not process Not Values for this field.

Sustained ROSC (20 consecutive minutes)

Or present at end of EMS care

eArrest.12

Definition Sustained Return of Spontaneous Circulation (ROSC) is defined as the restoration of a palpable pulse or a measurable blood pressure for 20 consecutive minutes or present at end of EMS care.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element		Is Nillable	No
Usage	Required	Recurrence	1:M

Code List

Code	Description
3012001	No
3012003	Yes, At Arrival at the ED
3012005	Yes, Prior to Arrival at the ED
3012007	Yes, Sustained for 20 consecutive minutes

Data Element Comment

Multiple values should be sent whenever applicable and CARES participant providers should be trained to document as many eArrest.12 values as apply. eArrest.12 value combinations are mapped per the below:

No:

3012001 (No) **OR**

3012005 (Yes, Prior to Arrival at the ED)

Yes, but pulseless at end of EMS care (or ED arrival):

3012007 (Yes, Sustained for 20 consecutive minutes) **OR**

3012005+3012007 (Yes, Prior to Arrival at the ED; Yes, Sustained for 20 consecutive minutes)

Yes, pulse at end of EMS care (or ED arrival)

3012003 (Yes, At Arrival at the ED) **OR**

3012003+3012005 (Yes, At Arrival at the ED; Yes, Prior to Arrival at the ED) **OR**

3012003+3012007 (Yes, At Arrival at the ED; Yes, Sustained for 20 consecutive minutes) **OR**

3012003+3012005+3012007 (Yes, At Arrival at the ED; Yes, Prior to Arrival at the ED; Yes, Sustained for 20 consecutive minutes)

****FIELD CHANGED IN 2011****

****CARES REQUIRED FIELD IN 2012****

End of the Event

eArrest.16 and eArrest.18

Definition The reason that CPR or other resuscitation efforts were discontinued.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element		Is Nillable	No
Usage	Required	Recurrence	1:1 (eArrest.16) 1:1 (eArrest.18)

Data Element Comment

See https://nemsis.org/media/nemsis_v3/release-3.5.0/DataDictionary/PDFHTML/EMSDEMSTATE/index.html

Effort ceased due to DNR: eArrest.16 = 3016001 DNR (eArrest.18 is not evaluated for import in this case)

Pronounced in the Field: eArrest.18 = 3018003 Expired in the Field

Pronounced in the ED: eArrest.18 = 3018001 Expired in ED

Ongoing Resuscitation in ED: eArrest.18 = 3018005 Ongoing Resuscitation in ED OR 3018007 ROSC in Field OR 3018009 ROSC in the ED OR 3018011 Ongoing Resuscitation by Other EMS

****FIELD CHANGED IN 2011****

****CARES REQUIRED FIELD IN 2012****

When did sustained ROSC first occur

eCustomConfiguration.ROSCStart

Definition

When ROSC (Return of Spontaneous Circulation) is defined as the restoration of a palpable pulse or a measurable blood pressure) first occurred.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Never
2	After Bystander CPR only
3	After Bystander defib shock
4	After EMS CPR only
5	After EMS Defib. shock
6	After ALS
7	Unknown

Data Element Comment

*****SUPPLEMENTAL*****

EMS Dataset

Times Information

Estimated time of arrest

eArrest.14

Definition Estimated time of arrest.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E11_08	Is Nillable	Yes
Usage	Required (NEMESIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type dateTime	minInclusive 1950-01-01T00:00:00-00:00	maxInclusive 2050-01-01T00:00:00-00:00
------------------------------	--	--

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

This field is mapped to eArrest.14, which is required if using for Date of Arrest. This myCARES time field is captured separately and optional.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time of 1st defibrillatory shock

eCustomConfiguration.DefibTime

Definition The time the first defibrillation was given.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern
`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}`

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

*****SUPPLEMENTAL*****

Time of 1st CPR

eArrest.19

Definition The initial date and time that CPR was started by anyone.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

*****SUPPLEMENTAL*****

Time of Sustained ROSC

eCustomConfiguration.TimeSusRosC

Definition The time of sustained ROSC.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern
`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}`

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time Resuscitation Terminated

eArrest.15

Definition The date/time resuscitation was terminated.			
National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Recommended	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

No First Responder dispatched

eScene.ResponderGroup

Definition

This is a single checkbox that indicates that a 911 first responder was not dispatched.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes (Not Applicable only)
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Attributes

NOT Values (NV)

7701001 - Not Applicable

Code List

Code	Description
9923001	No

Data Element Comment

First instance of eScene.24 = "Yes" with an associated import value code listed in eScene.03 will be mapped to Fire/First Responder. See Fire/First Responder for more details.

All other combinations of eScene.ResponderGroup including no eScene.ResponderGroup being sent will select "No First Responder Dispatched" checkbox*.

*Note: Agencies that first respond with other units from their own agency on 100% of arrests may request an import default first responder of their agency to be applied instead of "No First Responder Dispatched."

SUPPLEMENTAL

Time call received at dispatch center

eTimes.01

Definition The time the original call was received at the dispatch center.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E05_02	Is Nillable	Yes
Usage	Required (NEMESIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type

dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time First Responder dispatched

eCustomConfiguration.FRDispatched

Definition The time the first responder was dispatched to arrive on scene.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Constraints

Data Type

dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time First Responder en route

eCustomConfiguration.FREnroute

Definition The time the first responder vehicle began moving towards the scene.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern
`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}`

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time First Responder arrived at scene

eScene.05

Definition The time the first responder arrived at scene.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E08_04	Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type **minInclusive** **maxInclusive**
 dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

Pattern
 [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

- yyyy a four-digit numeral that represents the year
- '-' separators between parts of the date portion
- mm a two-digit numeral that represents the month
- dd a two-digit numeral that represents the day
- T separator that indicates time-of-day follows
- hh a two-digit numeral that represents the hour
- ':' a separator between parts of the time-of-day portion
- mm a two-digit numeral that represents the minute
- ss a two-integer-digit numeral that represents the whole seconds
- '.' s+ (not required) represents the fractional seconds
- zzzzzz (required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

- hh a two-digit numeral (with leading zeros as required) that represents the hours
- mm a two-digit numeral that represents the minutes
- '+' a nonnegative duration
- '-' a nonpositive duration

*****SUPPLEMENTAL*****

Time Ambulance dispatched

eTimes.03

Definition

The time the ambulance (transporting provider) was dispatched to arrive on scene.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E05_04	Is Nillable	No
Usage	Mandatory (NEMESIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

If eTimes.03 and eArrest.14 are nil/missing, this value will be used for Date of Arrest.
Since this element is not nillable and does not accept NV- please pass min value if no mapping to this field

1950-01-01T00:00:0000:00

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

- yyyy a four-digit numeral that represents the year
- '-' separators between parts of the date portion
- mm a two-digit numeral that represents the month
- dd a two-digit numeral that represents the day
- T separator that indicates time-of-day follows
- hh a two-digit numeral that represents the hour
- ':' a separator between parts of the time-of-day portion
- mm a two-digit numeral that represents the minute
- ss a two-integer-digit numeral that represents the whole seconds
- '.' s+ (not required) represents the fractional seconds
- zzzzzz (required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

- hh a two-digit numeral (with leading zeros as required) that represents the hours
- mm a two-digit numeral that represents the minutes
- '+' a nonnegative duration
- '-' a nonpositive duration

SUPPLEMENTAL

Time Ambulance en route

eTimes.05

Definition The time the ambulance (transporting provider) vehicle began moving towards the scene.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E05_05	Is Nillable	Yes
Usage	Required (NEMESIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type

dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy a four-digit numeral that represents the year
 '-' separators between parts of the date portion
 mm a two-digit numeral that represents the month
 dd a two-digit numeral that represents the day
 T separator that indicates time-of-day follows
 hh a two-digit numeral that represents the hour
 ':' a separator between parts of the time-of-day portion
 mm a two-digit numeral that represents the minute
 ss a two-integer-digit numeral that represents the whole seconds
 '.' s+ (not required) represents the fractional seconds
 zzzzzz (required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh a two-digit numeral (with leading zeros as required) that represents the hours
 mm a two-digit numeral that represents the minutes
 '+' a nonnegative duration
 '-' a nonpositive duration

SUPPLEMENTAL

Time Ambulance arrived at scene

eTimes.06

Definition The time the ambulance (transporting provider) arrived at scene.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element	E05_06	Is Nillable	Yes
Usage	Required (NEMSIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type

dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separator between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time EMS arrived at patient side

eTimes.07

Definition The time the ambulance (transporting provider) vehicle arrived at the patient's side.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E05_07	Is Nillable	Yes
Usage	Required (NEMESIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type

dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Time Ambulance left scene

eTimes.09

Definition The time the ambulance (transporting provider) left the scene.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element	E05_09	Is Nillable	Yes
Usage	Required (NEMSIS) Optional (CARES)	Recurrence	0:1

Constraints

Data Type
dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy a four-digit numeral that represents the year
 '-' separators between parts of the date portion
 mm a two-digit numeral that represents the month
 dd a two-digit numeral that represents the day
 T separator that indicates time-of-day follows
 hh a two-digit numeral that represents the hour
 ':' a separator between parts of the time-of-day portion
 mm a two-digit numeral that represents the minute
 ss a two-integer-digit numeral that represents the whole seconds
 '.' s+ (not required) represents the fractional seconds
 zzzzzz (required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh a two-digit numeral (with leading zeros as required) that represents the hours
 mm a two-digit numeral that represents the minutes
 '+' a nonnegative duration
 '-' a nonpositive duration

SUPPLEMENTAL

Time Ambulance arrived at ED

eTimes.11

Definition The time the ambulance (transporting provider) arrived at the destination hospital's ED.			
National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E05_10	Is Nillable	Yes
Usage	Required (NEMESIS) Optional (CARES)	Recurrence	1:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

EMS Dataset

Hypothermia Information

Was hypothermia care provided in the field

eArrest.10

Definition

Documentation of EMS initiation of therapeutic hypothermia prior to ED arrival.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	1:1 (CARES)

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

A value is NOT required in the XML, however this field is a CARES required field and will flag in CARES if not completed.

Note: A CARES setting can be enabled to default this to No so it does not have to be sent on all records and will not flag.

****REQUIRED FIELD IN 2011****

EMS Dataset

EMS Interventions

Mechanical CPR device used

eProcedures.03

Definition

Indicates if a mechanical CPR device was used during the course of resuscitation in the field.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Optional	Recurrence	0:1(CARES) 1:1(NEMESIS)

Attributes

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 - Denied By Order 8801019 – Refused
8801023 - Unable to Complete

Code List

Code	Description
429283006	CPR Mechanical Device

Data Element Comment

A SNOMED code of 429283006 without a PN will import as “Yes” in CARES. All other scenarios import as “No”.

SNOMEDCT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html

Product: Product - UMLS Metathesaurus

*****SUPPLEMENTAL*****

Mechanical CPR device used detail

eArrest.09/eProcedures.03

Definition

NEMESIS Type of CPR Provided utilized to import Mechanical CPR device type used.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1:M

Code List

Code	Description
3009003	Load-Distributing Band (AutoPulse)
3009005	Active Compression Decompression (LUCAS™ Device)
3009007	Mechanical Piston
3009011	Other

Data Element Comment

The above eArrest.09 values will set Mechanical CPR device used detail when eProcedures.03 contains 429283006 (with no PN value).

*****SUPPLEMENTAL*****

Mechanical CPR Device Other

eCustomConfiguration.MechCPRDeviceOtherStr

Definition

Field used to pass a text/string value for Mechanical CPR Device Other.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

Field used to pass a text/string value for Mechanical CPR Device Other

*****SUPPLEMENTAL*****

Automated CPR feedback device used

eCustomConfiguration.CPRFeedbackDevice

Definition

Indicates if an automated CPR feedback device was used during the course of resuscitation in the field.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No

Data Element Comment

SUPPLEMENTAL

Advanced airway successfully placed in the field

eAirway.02

Definition The date and time the airway device placement was confirmed.			
National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No (CARES) Yes (NEMSIS)
Version 2 Element		Is Nillable	Yes
Usage	Recommended (NEMSIS) Optional (CARES)	Recurrence	0:1

Constraints

Data Type

dateTime

minInclusive

1950-01-01T00:00:00-00:00

maxInclusive

2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

This field maps to a `xs:dateTime` NEMSIS field eAirway.02. **To use eAirway.03, you must pass a datetime value in this field.** If the exact time is not known, pass the date value in eArrest.14 with midnight. The logic for the answer choice "No" really means the airway attempt was "Unsuccessful" and that the airway placement was attempted. It does NOT mean that the question was not applicable, not documented, etc. Not Values for this field will not be mapped.

eAirway.02 (Was advanced airway placed successfully in the field) is of datetime type. If you pass a date for this greater than the minInclusive value for this element, we will record this as a "Yes" answer. If you pass the minInclusive value of 1950-01-01T00:00:00-00:00 we will record a "No".

Examples:

Pass a "No" value:

```
<eAirway.02>1950-01-01T00:00:00-00:00</eAirway.02>
```

Pass a "Yes" with Combitude value

```
<eAirway.02>2013-06-04T00:00:00-08:00</eAirway.02>
```

```
<eAirway.03>4003007</eAirway.03>
```

SUPPLEMENTAL

Advanced airway successfully placed in the field detail

eAirway.03

Definition

Associated with Advanced Airway Successfully Placed in the Field, if yes, specify which device was used.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Recommended (NEMESIS) Optional (CARES)	Recurrence	1:M

Attributes

NOT Values

7701001 - Not Applicable 7701003 - Not Recorded 7701005 - Not Reporting

Code List

Code	Description
4003007	Combitube
4003009	King airway
4003011	LMA
4003003	Oral/Nasal ET
4003001	Maps to Other radio and Cricothyrotomy Tube to other text field in CARES
4003013	Maps to Other radio and SAD-Other to other text field in CARES
4003015	Maps to "Used existing tracheostomy" for primary question, Advanced Airway successfully placed in field, in CARES
4003005	Maps to Other radio and Other-Invasive Airway to other text field in CARES

Data Element Comment

To use this field, you must pass a datetime value for eAirway.02. The descriptions for those items that map to "Other" in myCARES above will be saved in the Advanced Airway "Other" text field in the myCARES Rev4 form. If 4003015 is passed, all other values passed will not be saved.

SUPPLEMENTAL

Airway Other

eCustomConfiguration.AirwayOtherStr

Definition

Field used to pass a text/string value for Airway Other.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type
String

minLength
1

maxLength
100

Data Element Comment

Field used to pass a text/string value for Airway Other

*****SUPPLEMENTAL*****

Definition

Indicates whether an ITD (Impedance Threshold Device) was used during resuscitation as a procedure.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Attributes

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 - Denied By Order 8801019 – Refused
8801023 - Unable to Complete

Code List

Code	Description
441893003	Impedance Threshold Device

Data Element Comment

A SNOMED code of 441893003 without a PN will import as “Yes” in CARES. All other scenarios import as “No”.

SNOMEDCT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html

Product: Product - UMLS Metathesaurus

*****SUPPLEMENTAL*****

ITD used detail

eCustomConfiguration.ITDID

Definition

If the device is used during resuscitation, the type of device should be indicated. If ITD = Yes, then indicate the device.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Bag valve mask
3	Combitube
4	King Airway
5	LMA
6	Oral/Nasal ET
7	Other

Data Element Comment

SUPPLEMENTAL

ITD Used Other

eCustomConfiguration.ITDOtherStr

Definition

Field used to pass a text/string value for Impedance Threshold Device Other.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Constraints

Data Type
String

minLength
1

maxLength
50

Data Element Comment

Field used to pass a text/string value for Impedance Threshold Device Other

*****SUPPLEMENTAL*****

Were drugs administered

eMedications.03

Definition

Indicates whether drugs were administered during field resuscitation.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No

Data Element Comment

This field is populated as “Yes” if there are eMedication.03 values without a PN and “No” in all other cases.

*****SUPPLEMENTAL*****

Were drugs administered detail

eMedications.03

Definition

Indicates specific drugs that were administered during field resuscitation.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMSIS) No (CARES)
Version 2 Element	E18_03	Is Nillable	Yes
Usage	Required (NEMSIS) Optional (CARES)	Recurrence	1:M

Code List (RXNorm)

Code	Description
317361	Epinephrine 0.1mg/ml
1223	Atropine
703	Amiodarone
36676	Sodium Bicarbonate
237653	Dextrose
6387	Lidocaine
11149	Vasopressin
1901	Calcium Chloride
6585	Magnesium Sulfate
7806	Oxygen (<i>Imports as "Other" Medication - not a CARES coded value</i>)

The following RXNorm codes map to myCARES Naloxone:

1725055	1870932	7242
1725056	1870933	197117
1725057	1870934	203192
1725058	1870935	
1725059		
1725060		
1725061		
1725062		
1725063		
1725064		

Data Element Comment

"Other" will be automatically selected if a code other than the above is passed.

*****SUPPLEMENTAL*****

Were drugs administered detail – Other

eCustomConfiguration.MedicationOtherStr

Definition

Field used to pass a text/string value for Were drugs administered detail - Other.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Constraints

Data Type

String

minLength

1

maxLength

50

Data Element Comment

A text value may be passed in MedicationOtherStr in order to list other drugs administered during field resuscitation that are not included in the myCares accepted list for eMedications.03.

*****SUPPLEMENTAL*****

Definition

Describes which, if any, devices were inserted into a vein, which permits administration of intermittent or continuous infusion of parenteral solutions or medications.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Attributes

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 - Denied By Order 8801019 – Refused
8801023 - Unable to Complete

Code List

Code	CARES Value
4250748000	IV
392230005	IV
353008	IV
405427009	IV
430824005	IO

Data Element Comment

A value matching a code in the list will select the CARES value(s). Sending no eProcedures.03 element with a value in the list and/or only a value in the list with an PN attribute will select 'No' in CARES.

SNOMEDCT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html

Product: Product - UMLS Metathesaurus

*****SUPPLEMENTAL*****

12 Lead

eProcedures.03

Definition 12 Lead ECG obtained as a procedure.			
National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Attributes

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 - Denied By Order 8801019 – Refused
8801023 - Unable to Complete

Code List

Code	Description
268400002	12 Lead ECG Obtained

Data Element Comment

A SNOMED code of 268400002 will map to Yes in CARES. No eProcedures.03 value = 268400002 or all instances with a PN value will map to No in CARES.

SNOMEDCT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html

Product: Product - UMLS Metathesaurus

SUPPLEMENTAL

STEMI

eProcedures.03, eDisposition.24, eVitals.03

Definition

Indicates a myocardial infarction with ST elevation.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Data Element Comment

STEMI = Yes when:

eProcedures.03 contains 268400002 [12 lead] (with no PN) AND
(eDisposition.24 = 4224013 [Yes-STEMI]) OR
eVitals.03 contains any of (9901051 [STEMI Anterior Ischemia], 9901053 [STEMI Inferior Ischemia], 9901055 [STEMI Lateral Ischemia], 9901057 [STEMI Posterior Ischemia], 9901058 [STEMI Septal Ischemia])

STEMI = No when:

eProcedures.03 contains 268400002 [12 lead] (with no PN)
AND NONE OF THE FOLLOWING ARE TRUE:
(eDisposition.24 = 4224013 [Yes-STEMI]) OR
eVitals.03 contains any of (9901051 [STEMI Anterior Ischemia], 9901053 [STEMI Inferior Ischemia], 9901055 [STEMI Lateral Ischemia], 9901057 [STEMI Posterior Ischemia], 9901058 [STEMI Septal Ischemia])

STEMI = Unknown when:

Neither of the above apply.

*****SUPPLEMENTAL*****

Hospital Dataset

Hospital Information

Passing Destination Hospital and Transfer Hospital data

Hospital information in an import may provide outcome data for *either* a destination *or* a transfer hospital the following ways. The hospital form fields are interdependent and must follow the below logic.

Transfer with Complete or Partial Hospital Outcome Data from Transfer Hospital:

Destination Hospital Elements and Data (no other element values will be parsed)

- EROutcome must = 4 (Transferred)
- Hypothermia_Provided_Hosp can be answered
- Transfer_hospitalid or Transfer_hospital should be answered

Transfer Hospital Elements and Data

- If EROutcomeTrans = 5, the following elements can contain values:
 - HospOutcomeTrans can be answered
 - HospOutcomeDNRTrans can be answered
 - If HospOutcomeTrans or HospOutcomeDNRTrans = 2, the following fields may contain values
 - HospDispositionTrans
 - NeuroOutcomeTrans can be answered if there is a value for HospDispositionTrans

Hospital Data for Destination Hospital ONLY:

Destination Hospital Elements and Data

- EROutcome must not = 4 (Transferred)
- Hypothermia_Provided_Hosp can be answered
- HospOutcome can be answered
- HospOutcomeDNR can be answered
- eOutcome.02 can be answered if ER or HospOutcome = Discharged Alive
- eArrest.13 can be answered if ER or HospOutcome = Discharged Alive and eOutcome.02 contains a value
- Transfer_hospitalid or Transfer_hospital should be answered only if HospOutcome or HospOutcomeDNR = Transferred
- If HospOutcome or HospOutcomeDNR = Transferred, eOutcome.02 and eArrest.13 will not be parsed

Transfer Hospital Elements and Data

- None of these elements for transfer hospital will be parsed

Supplemental Hospital Elements:

- For eCustomConfiguration hospital elements: MyocardialInfarction, CoronaryAngiography/CoronaryAngiographyDateTime, CardiacStent, CABGPerformed, and ICDPlaced only the affirmative response between the Destination Hospital and Transfer Hospital should be passed. If the response is affirmative for both hospitals, then the response from the final destination hospital should be passed. If the response is negative for both hospitals, then the response from the final destination hospital should be passed.

Emergency Room Outcome (Destination Hospital) eCustomConfiguration.EROutcome

Definition

The final disposition of the patient from the emergency department.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Died in the ED
4	Transferred to another acute care facility from the ED
5	Admitted to hospital

Data Element Comment

This element is used for the destination hospital only.

See EROutcomeTransfer element if value = 4 (Transferred). If value = 4, please use the Transfer Hospital fields. You may pass values for Hypothermia_Provided_Hosp for the Destination Hospital and should pass either Transfer_hospitalId or Transfer_Hospital values, but values passed in the following elements will not be parsed:

- HospOutcome
- HospOutcomeDNR
- eOutcome.02
- eArrest.13

****FIELD CHANGED IN 2011****

Was hypothermia/TTM care initiated or continued in the hospital (Destination Hospital) eCustomConfiguration.Hypothermia_Provided_Hosp

Definition

Indicates whether hypothermia care was initiated or continued in the destination hospital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No

Hospital Outcome (Destination Hospital)

eCustomConfiguration.HospOutcome

Definition

The final disposition of the patient from the hospital. See HospOutcomeDNR if value = 4 (Patient made DNR).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Died in the hospital
2	Discharged Alive
3	Transferred to another acute care hospital
4	Patient made DNR
11	Not yet determined

Data Element Comment

If the value passed is 3 (Transferred to another acute care hospital) or the value passed is 4 and HospOutcomeDNR is 3 (Transferred to another acute care hospital), any values passed for eOutcome.02 and eArrest.13 are not parsed. The Transfer Hospital must enter in these values manually.

****FIELD CHANGED IN 2011****

Patient made DNR Detail (Destination Hospital) eCustomConfiguration.HospOutcomeDNR

Definition

Custom field associated with Hospital Outcome (HospOutcome). If Patient made DNR (code = 4), identify hospital outcome.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Died in the hospital
2	Discharged alive
3	Transferred to another acute care hospital
8	Not yet determined

Data Element Comment

If HospOutcome value passed is 3 (Transferred to another acute care hospital) or the value passed is 4 and HospOutcomeDNR is 3 (Transferred to another acute care hospital), any values passed for eOutcome.02 and eArrest.13 are not parsed. The Transfer hospital must enter in these values manually.

****NEW FIELD IN 2011****

Discharge From the Hospital (Destination Hospital)

eOutcome.02

Definition

This element's value is only recorded if the HospOutcome or HospOutcomeDNR value = "Discharged alive". Type of location patient discharged to from the hospital for Destination Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
01	Home/Residence
62	Rehabilitation facility
03	Skilled nursing facility/Hospice
51	Skilled nursing facility/Hospice

Data Element Comment

Discharge status from the hospital for Destination Hospital ONLY.

****CARES REQUIRED FIELD IN 2012****

Neurological Outcome at Discharge From Hospital (Destination Hospital)

eArrest.13

Definition

Neurological outcome status or cerebral performance level at discharge for Destination Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	E11_07	Is Nillable	No
Usage	Optional	Recurrence	0:1

Code List

Code	Description
3013001	Good Cerebral Performance (CPC 1)
3013003	Moderate Cerebral Disability (CPC 2)
3013005	Severe Cerebral Disability (CPC 3)
3013007	Coma, vegetative state (CPC 4)

Data Element Comment

This element's value is only recorded if the HospOutcome or HospOutcomeDNR value = "Discharged alive" and eOutcome.02 contains a value.

****FIELD CHANGED IN 2011****

Emergency Room Outcome (Transfer Hospital) eCustomConfiguration.EROutcomeTrans

Definition

The final disposition of the patient from the emergency department for the Transfer Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Resuscitation terminated in ED
4	Transferred to another acute care facility from the ED
5	Admitted to hospital

Data Element Comment

This element is used for the transfer hospital and is *only* used if the EROutcome value for destination hospital = 4.

Hospital Outcome (Transfer Hospital)

eCustomConfiguration.HospOutcomeTrans

Definition

The final disposition of the patient from the hospital for the Transfer Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Died in the hospital
2	Discharged Alive
3	Transferred to another acute care hospital
4	Patient made DNR
11	Not yet determined

Data Element Comment

If the HospitalOutcomeTrans value passed is 3 (Transferred to another acute care hospital) or the value passed is 4 and HospOutcomeDNR is 3 (Transferred to another acute care hospital), any values passed for NeuroOutcomeTrans and HospDispositionTrans are not parsed. The Transfer hospital must enter in these values manually.

See follow-up question HospOutcomeDNRTrans if value = 4 (Patient made DNR).

****FIELD CHANGED IN 2011****

Patient made DNR Detail (Transfer Hospital)

eCustomConfiguration.HospOutcomeDNRTrans

Definition

Custom field associated with Hospital Outcome (HospOutcomeTrans = 4).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Died in the hospital
2	Discharged alive
3	Transferred to another acute care hospital
8	Not yet determined

Data Element Comment

If HospOutcomeTrans value passed is 3 (Transferred to another acute care hospital) or the value passed is 4 and HospOutcomeDNRTrans is 3 (Transferred to another acute care hospital), any values passed for NeuroOutcomeTrans and HospDispositionTrans are not parsed. The Transfer Hospital must enter in these values manually.

****NEW FIELD IN 2011****

Discharge From the Hospital (Transfer Hospital)

eCustomConfiguration.HospDispositionTrans

Definition

Type of location patient discharged to from the hospital for Transfer Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Required	Recurrence	0:1

Code List

Code	Description
01	Home/Residence
62	Rehabilitation facility
03	Skilled nursing facility/Hospice
51	Skilled nursing facility/Hospice

Data Element Comment

This element's value is only recorded if the HospOutcomeTrans or HospOutcomeDNRTrans value = "Discharged alive".

****CARES REQUIRED FIELD IN 2012****

Neurological Outcome at Discharge From Hospital (Transfer Hospital)

eCustomConfiguration.NeuroOutcomeTrans

Definition

Neurological outcome status or cerebral performance level at discharge for Transfer Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0:1

Code List

Code	Description
3013001	Good Cerebral Performance (CPC 1)
3013003	Moderate Cerebral Disability (CPC 2)
3013005	Severe Cerebral Disability (CPC 3)
3013007	Coma, vegetative state (CPC 4)

Data Element Comment

This element's value is only recorded if the HospOutcomeTrans or HospOutcomeDNRTrans value = "Discharged alive" and HospDispositionTrans contains a value.

****FIELD CHANGED IN 2011****

Was hypothermia/TTM care initiated or continued in the hospital (Transfer Hospital)

eCustomConfiguration.Hypothermia_Provided_Hosp_Trans

Definition

Was hypothermia care initiated or continued in the Transfer Hospital ONLY.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No

Data Element Comment

****REQUIRED FIELD IN 2011****

Transfer To Hospital

eCustomConfiguration.Transfer_hospitalid

Definition

The hospital the patient was transferred to from Destination Hospital.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Hospital code patient was transferred to (CARES code).

Data Element Comment

Must be a valid hospital import value set up in myCares.net.

Transfer To Hospital - Detail

eCustomConfiguration,Transfer_hospital

Definition

If the hospital code patient was transferred to (CARES code) is not available, then this string would be the name of the hospital. See Transfer_hospitalid custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Data Type

String

Data Element Comment

If the hospital (import value) patient was transferred to (CARES code) is not available, then this string would be the name of the hospital.

Why was hypothermia/TTM care not initiated or continued in the hospital?

eCustomConfiguration.HypoNotInitiatedHosp

Definition

Hospital data - Indicates the reason that hypothermia care was not initiated or continued in the hospital setting.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Awake/Following commands
2	DNR/Family Request
3	Unwitnessed Cardiac Arrest
4	Unshockable Rhythm
5	No TH program in place
8	Unknown
9	Other

Data Element Comment

SUPPLEMENTAL

Date/Time of Discharge/Death

eCustomConfiguration.DischargeDeathDateTime or eOutcome.16

Definition Hospital Data - The date and time of patient's discharge from the hospital or death.			
National Element	No (eOutcome.16 Yes)	Pertinent Negatives (PN)	No
State Element	No (eOutcome.16 Yes)	NOT Values	Yes (NEMESIS) No (CARES)
Version 2 Element		Is Nillable	Yes
Usage	Optional (eOutcome.16 Required)	Recurrence	0:1 (eOutcome.16 1:1)

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern
[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy a four-digit numeral that represents the year
'-' separators between parts of the date portion
mm a two-digit numeral that represents the month
dd a two-digit numeral that represents the day
T separator that indicates time-of-day follows
hh a two-digit numeral that represents the hour
'-' a separator between parts of the time-of-day portion
mm a two-digit numeral that represents the minute
ss a two-integer-digit numeral that represents the whole seconds
'.' s+ (not required) represents the fractional seconds
zzzzzz (required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh a two-digit numeral (with leading zeros as required) that represents the hours
mm a two-digit numeral that represents the minutes
'+' a nonnegative duration
'-' a nonpositive duration

SUPPLEMENTAL

Was the final diagnosis acute myocardial infarction

eCustomConfiguration.MyocardialInfarction

Definition

Hospital Data - Indicates whether the final diagnosis was acute myocardial infarction.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No

Data Element Comment

Only the affirmative response (Yes) between the Destination Hospital and Transfer Hospital should be passed. If the response is affirmative for both hospitals, then the response from the final destination hospital should be passed. If the response is negative (No) for both hospitals, then the response from the final destination hospital should be passed.

SUPPLEMENTAL

Coronary Angiography Performed

eCustomConfiguration.CoronaryAngiography

Definition

Hospital Data - Indicates whether a Coronary Angiography was performed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No
3	Unknown

Data Element Comment

Only the affirmative response (Yes) and associated Date/Time value between the Destination Hospital and Transfer Hospital should be passed. If the response is affirmative for both hospitals, then the response from the final destination hospital should be passed. If the response is negative (No) for both hospitals, then the response from the final destination hospital should be passed.

SUPPLEMENTAL

Coronary Angiography Date/Time eCustomConfiguration.CoronaryAngiographyDateTime

Definition Hospital Data - If Coronary Angiography Performed is yes, provide date and time.			
National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

Only the affirmative response (Yes) for Coronary Angiography Performed and associated Date/Time value between the Destination Hospital and Transfer Hospital should be passed. If there is a Date/Time value for both hospitals, then the Date/Time value from the final destination hospital should be passed. If the Coronary Angiography Performed response is negative (No) for both hospitals, then no Date/Time value needs to be passed from either hospital.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

SUPPLEMENTAL

Was a cardiac stent placed

eCustomConfiguration.CardiacStent

Definition

Hospital Data – Indicates whether a cardiac stent was placed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No
3	Unknown

Data Element Comment

Only the affirmative response (Yes) between the Destination Hospital and Transfer Hospital should be passed. If the response is affirmative for both hospitals, then the response from the final destination hospital should be passed. If the response is negative (No) for both hospitals, then the response from the final destination hospital should be passed.

SUPPLEMENTAL

CABG performed

eCustomConfiguration.CABGPerformed

Definition

Hospital Data – Indicates whether a Coronary Artery Bypass Graft was performed.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No
3	Unknown

Data Element Comment

Only the affirmative response (Yes) and associated Date/Time value between the Destination Hospital and Transfer Hospital should be passed. If the response is affirmative for both hospitals, then the response from the final destination hospital should be passed. If the response is negative (No) for both hospitals, then the response from the final destination hospital should be passed.

SUPPLEMENTAL

Was an ICD placed and/or scheduled

eCustomConfiguration.ICDPlaced

Definition

Hospital Data – Indicates whether an ICD placed and/or scheduled.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Code List

Code	Description
1	Yes
2	No
3	Unknown

Data Element Comment

Only the affirmative response (Yes) and associated Date/Time value between the Destination Hospital and Transfer Hospital should be passed. If the response is affirmative for both hospitals, then the response from the final destination hospital should be passed. If the response is negative (No) for both hospitals, then the response from the final destination hospital should be passed.

*****SUPPLEMENTAL*****

Hospital Medical Record Number

eOutcome.03/eOutcome.04

Definition

Hospital data - The unique number assigned by the hospital for each patient's Medical Record.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	Yes
Usage	Optional	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	0	30

Data Element Comment

This was mapped to eCustomConfiguration.HospMedicalRecordNo but now is pulled from eOutcome.04 if eOutcome.03 = 4303005 Hospital - Receiving

SUPPLEMENTAL

