Cardiac Arrest Registry to Enhance Survival

CARES

Version 3.5
Data Dictionary

LAST UPDATED – 3/2024

WWW.MYCARES.NET

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 a call that already exists in the system with the same Date of Arrest and Incident Number for a given agency (eArrest.14 or eTimes.03 and eResponse.03), the file will not parse and none of the records within the XML file will be processed.

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

Table of Contents

Header

EMS Dataset

Hospital Dataset

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	minLength	maxLength
String	1	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

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

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	minLength	maxLength
String	1	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

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	minLength	maxLength
String	1	50

EMS Dataset

Call Information

Date of Arrest

Definition			
The date of the cardiac arrest.			
National Element	Yes	**Pertinent Negatives (PN)**	No
State Element	Yes	**NOT Values**	Yes (NEMSIS) No (CARES)
Version 2 Element	E11_08	**Is Nillable**	Yes (NEMSIS) No (CARES)
Usage	Required	**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 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
zzzz zz	(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 (NEMSIS) No (CARES)
Version 2 Element	E02_02	Is Nillable	Yes (NEMSIS) No (CARES)
Usage	Required	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	3	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.**

Booklet ID

Definition			
The myCares.net™ HealthEMS™ booklet number associated to this event.			

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

Constraints

Data Type	**minLength**	**maxLength**
Integer	5	10

Data Element Comment

Vendors can omit this element from their XML altogether. The only uses would be for HealthEMS™ users who choose to fill out the CARES form instead of the HealthEMS™ form and need to enter the HealthEMS™ BookletID on the CARES form to later match to a HealthEMS™ record to retrieve additional information. This field would then help assist that process. This will be used to help auto-match this information to the corresponding CAD information.

EMS Response Number

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	**minLength**	**maxLength**
String	3	50

Data Element Comment

This number can be passed as additional incident identifier.

Incident Address

Definition

The street address where the incident occurred.

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

Constraints

Data Type	minLength	maxLength
String	1	255

Data Element Comment

CARES REQUIRED FIELD IN 2012

Definition
The city where the incident occurred.

National Element	No	**Pertinent Negatives (PN)**	No
State Element	Yes	**NOT Values**	Yes (NEMSIS)
			No (CARES)
Version 2 Element	E08_12	**Is Nillable**	Yes
Usage	Recommended (NEMSIS) 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

Definition
The state where the incident occurred.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes (NEMSIS) 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

Definition
The FIPS County code where incident occurred.

National Element	Yes	**Pertinent Negatives (PN)**	No
State Element	Yes	**NOT Values**	Yes (NEMSIS)
			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

Definition			
The patient's first name.			
National Element	No	**Pertinent Negatives (PN)**	Yes
State Element	Yes	**NOT Values**	Yes (NEMSIS)
			No (CARES)
Version 2 Element	E06_02	**Is Nillable**	Yes
Usage	Recommended (NEMSIS)	**Recurrence**	0:1
	Required (CARES)		

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 Last Name

Definition			
The patient's last name.			
National Element	No	**Pertinent Negatives (PN)**	Yes
State Element	Yes	**NOT Values**	Yes (NEMSIS)
			No (CARES)
Version 2 Element	E06_01	**Is Nillable**	Yes
Usage	Recommended (NEMSIS)	**Recurrence**	0:1
	Required (CARES)		

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

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

Constraints

Data Type	minInclusive	maxInclusive
Integer	1	120

Data Element Comment

CARES REQUIRED FIELD IN 2012

Patient Age Units

Definition
   The unit used to define the patient's age.

National Element	Yes	**Pertinent Negatives (PN)**	No
State Element	Yes	**NOT Values**	Yes (NEMSIS) 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

Definition			
The patient's date of birth.			

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

Attributes

Pertinent Negatives (PN)
8801019 – Refused   8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
date	1890-01-01	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

Definition			
The patient's gender.			
National Element	Yes	**Pertinent Negatives (PN)**	No
State Element	Yes	**NOT Values**	Yes (NEMSIS)
			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

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

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 C80. or R97. or **is** D49.9	Cancer
ICD-10 starts with E11. or E09.	Diabetes
ICD-10 starts with I50. or I51. or R07.89	Heart Disease
ICD-10 starts with E78.	Hyperlipidemia
ICD-10 starts with I15. or **is** I10	Hypertension
ICD-10 starts with N28. or **is** P96.0	Renal Disease
ICD-10 starts with J98. or **is** J96.90	Respiratory Disease
ICD-10 starts with I63. or **is** G46.3 or **is** I67.89	Stroke

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

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	minLength	maxLength
String	1	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

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.

CARES REQUIRED FIELD IN 2012

Destination Hospital

Definition
   The destination hospital code for this event.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No (CARES) Yes (NEMSIS)
Version 2 Element	E20_02	Is Nillable	No (CARES) Yes (NEMSIS)
Usage	Required (CARES; see comments) Recommended (NEMSIS)	Recurrence	1:1

Constraints

Data Type	minLength	maxLength
String	2	50

Code List
Valid Destination Hospital Import Value set up in myCARES.

Data Element Comment
The values are unique to an agency and may comprise of a list of hospitals in the myCARES application, accessed through the code value passed in the import lists and can be obtained from the agency. If the patient is Pronounced in the Field (End of the Event), Destination Hospital is not required.

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 (NEMSIS)
			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 NEMSIS Suggested Lists at: https://nemsis.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

EMS Dataset - Arrest Information
2020 myCARES Dataset V.3.5

Page 32 **of** 119

Location Type Other

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 (NEMSIS 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)

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

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	Required (if value 3002011 passed in eArrest.02)	Recurrence	0:1

Constraints

Data Type	minLength	maxLength
String	1	50

Data Element Comment

If value passed = 3002011, please pass a text value in CardiacEtiologyOther (required).

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

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

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

NEW FIELD IN 2011
SUPPLEMENTAL

Was an AED applied prior to EMS arrival

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

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

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

eCustomConfiguration.911RespCPR

Definition

Indicates if 911 responder (BLS and/or ALS) performed CPR during the event.

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

EMS Dataset

First Cardiac/ROSC Information

First Arrest Rhythm of Patient

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 (NEMSIS)
Version 2 Element	E11_05	Is Nillable	No (CARES)
			Yes (NEMSIS)
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

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 (NEMSIS)
			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

Yes, but pulseless at end of EMS care (or ED arrival) = Yes, Sustained for 20 consecutive minutes **AND** Yes, Prior to Arrival at the ED

Yes, pulse at end of EMS care (or ED arrival) = Yes, Sustained for 20 consecutive minutes **AND** Yes, Prior to Arrival at the ED **AND** Yes, At Arrival at the ED

Yes, pulse at end of EMS care (or ED arrival) = Yes, Sustained for 20 consecutive minutes **AND** Yes, At Arrival at the ED

Yes, pulse at end of EMS care (or ED arrival) = Yes, At Arrival at the ED

No = No

FIELD CHANGED IN 2011
CARES REQUIRED FIELD IN 2012

Definition			
The reason that CPR or other resuscitation efforts were discontinued.			
National Element	No	**Pertinent Negatives (PN)**	No
State Element	No	**NOT Values**	Yes (NEMSIS)
			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 OR3018009 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

Definition

Estimated time of arrest.

National Element	Yes	**Pertinent Negatives (PN)**	No
State Element	Yes	**NOT Values**	Yes (NEMSIS) No (CARES)
Version 2 Element	E11_08	**Is Nillable**	Yes
Usage	Required (NEMSIS) 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

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

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

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
zzzz zz	(required) represents the timezone (as described below)

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

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

SUPPLEMENTAL

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
zzzz zz	(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

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
zzzz zz	(required) represents the timezone (as described below)

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

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

SUPPLEMENTAL

No First Responder dispatched

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

A value of "No" for all eScene.24 occurrences will mark the "No first responder dispatched" checkbox, unless eScene.24 = "Yes" for any instance in the file. An absence of eScene.24 from the file, with or without an eScene.03 value, will result in "Fire/First Responder" and "No First Responder dispatched" to be blank. See page 34 for details.

SUPPLEMENTAL

Time call received at dispatch center

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 (NEMSIS)
			No (CARES)
Version 2 Element	E05_02	**Is Nillable**	Yes
Usage	Required (NEMSIS)	**Recurrence**	1:1
	Optional (CARES)		

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

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	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
zzzz zz	(required) represents the timezone (as described below)

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

h h	a two-digit numeral (with leading zeros as required) that represents the hours
m m	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

Time First Responder arrived at scene   eCustomConfiguration.FROnscene

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		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
zzzz zz	(required) represents the timezone (as described below)

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

h h	a two-digit numeral (with leading zeros as required) that represents the hours
m m	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 (NEMSIS) 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

zzzz
  zz (required) represents the timezone (as described below)

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

h a two-digit numeral (with leading zeros as required) that represents the
h hours

m a two-digit numeral that represents the minutes
m

'+ a nonnegative duration
'

'-' a nonpositive duration

SUPPLEMENTAL

Time Ambulance en route

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 (NEMSIS) No (CARES)
Version 2 Element	E05_05	**Is Nillable**	Yes
Usage	Required (NEMSIS) 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

Time Ambulance arrived at scene

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	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

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
zzzz zz	(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

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 (NEMSIS) No (CARES)
Version 2 Element	E05_07	**Is Nillable**	Yes
Usage	Required (NEMSIS) 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

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

Time Ambulance left scene

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)	**Recurrence**	0:1
	Optional (CARES)		

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

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 (NEMSIS) No (CARES)
Version 2 Element	E05_10	**Is Nillable**	Yes
Usage	Required (NEMSIS) 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

h h	a two-digit numeral (with leading zeros as required) that represents the hours
m m	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

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

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 (NEMSIS)
			No (CARES)
Version 2 Element	E19_03	**Is Nillable**	Yes
Usage	Optional	**Recurrence**	0:1(CARES)
			1:1(NEMSIS)

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 will map to Yes in CARES. 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

Mechanical CPR device used detail

Definition
Associated with Mechanical CPR device used, if yes, specify which device was used.

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	Load-Distributing Band (AutoPulse)
2	Active Compression Decompression (LUCAS™ Device)
3	Mechanical Piston
4	Other

Data Element Comment

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

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	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

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 Combitube 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

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 (NEMSIS) 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

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	minLength	maxLength
String	1	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 will map to Yes in CARES. 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

ITD used detail

Definition			

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 (NEMSIS)
			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

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	**minLength**	**maxLength**
String	1	50

Data Element Comment

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

SUPPLEMENTAL

Were drugs administered

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 automatically populated as "Yes" if there are eMedication.03 values.

SUPPLEMENTAL

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

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

Code List

Code	Description
2	IV
3	IO
4	None

Data Element Comment

SUPPLEMENTAL

Definition

12 Lead ECG obtained 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
268400002	12 Lead ECG Obtained

Data Element Comment

A SNOMED code of 268400002 will map to Yes in CARES. 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

Definition
Indicates a myocardial infarction with ST elevation.

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

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

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)

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)

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)

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)

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)

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)

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)

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

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

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 (NEMSIS) 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
zzzz zz	(required) represents the timezone (as described below)

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

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

SUPPLEMENTAL

Was the final diagnosis acute myocardial infarction

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

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
zzzz zz	(required) represents the timezone (as described below)

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

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

SUPPLEMENTAL

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

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

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

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