

CEDaR

Cardiac Arrest Data and Reporting

Arizona Cardiac Arrest Center Cardiac Arrest Data

DATABASE DATA DICTIONARY
VERSION 2.4 (See Release Update List linked below for change details.)

[Release Update List](#)

REPORTING HOSPITAL

Data Form Label: Hospital

Field Name: hospital_id

Type: integer

Links to: hospitals table

Multiple Field Entry: No

Definition:

The hospital that follows protocols as per Cardiac Receiving Center (from here on referred to as CRC) recognition agreements, including initiation/continuation of therapeutic hypothermia (TH) when needed and also submits their Cardiac Arrest and STEMI Data to CEDaR.

Instructions for Coding/Data Entry:

The Reporting Hospital Name auto-populated based on the hospital that the users' login account is affiliated with. If they are affiliated with multiple hospitals, they will select the specific hospital for which they are entering data

The values Not Applicable, Not Documented and Unknown are not available for the reporting hospital drop down.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the hospital table for valid hospital)

Requirements:

Required to saveforall: Required in order to save for 'In Progress' AND 'Submitted' data status.

Hospital Table Values – 'id' is stored in cardiacarrest hospital_id field.:

List is kept in the application/database

RESPONDING AGENCY**Field Name: respondingagency_id**

Type: Integer

Links to: transportagencies table

Multiple Field Entry: No

Definition:

The EMS Agency that first responds to the patient being documented in CEDaR. Defined from ASTR Table of Agencies – those codes starting with ‘F’ and ‘NA’ or ‘ND’.

Instructions for Coding/Data Entry:

The Responding Agency is selected from the list presented as defined above, presented below. The Reporting Hospital identifies the name of the Transporting Agency from the list presented and enters the corresponding Code in the Transporting Agency field.

Input field validations at form submission AND data save:

System only driven, allows integers to be stored. (integer links to the Transport Agency table for valid agency)

Field Values:

Integer id stored that links to table:

Requirements:

Defaults to ‘NA’. Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

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List is kept in the application/database

HOSPITAL TRANSFER?**Field Name: hospital_transfer**

Type: String

Field Width: Min. 1, Max. 2

Multiple Field Entry: No

Definition:

Identifies whether the patient in the CEDaR data was originally transferred from another hospital that may or may not have initiated therapeutic hypothermia.

Instructions for Coding/Data Entry:

If the patient was transferred from another hospital to the hospital submitting the CAC Report to CEDaR, a “Y” is entered in the field. If the patient was not transferred from another hospital submitting CEDaR, a “N” is entered in the field. All entries must be in Upper Case Text.

Input field validations at form submission AND data save:

System only allows values listed below to stored.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	N	No

First Transport Agency**Field Name: firsttransportagency_id**

Type: Integer

Links to: transportagencies table

Multiple Field Entry: No

Definition:

The First EMS Agency that transports the patient to the hospital and may initiate therapeutic hypothermia care and also submits the prehospital CEDaR data. Defined from ASTR Table of Agencies – those codes starting with ‘T’, and the code for ‘POV’ – Privately Owned Vehicle, ‘ND’ – Not Documented, and ‘U’ - Unknown

Instructions for Coding/Data Entry:

Identifies the name of the first Transporting Agency from the presented drop down.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the Transportation Agencies table for valid agency)

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

Integer link to table: transportagencies. See full table listed under ‘Responding Agencies’

NOTE: Added POV - Privately Owned Vehicle as well as U, ND to this Transport Agencies, POV was a separate field on CAC form with Yes/No checkboxes.

First Destination**Field Name: firstdestination_id**

Type: Integer

Links to: hospitals table

Multiple Field Entry: No

Definition:

The first, or only, hospital the patient received care at.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the hospital table for valid hospital). See the definition for 'Reporting Hospital' for the full list of hospitals that would be included on this drop down.

Instructions for Coding/Data Entry:

If the patient was treated at multiple hospitals, this is the first one that they were seen at. Select Hospital from presented list in drop down, otherwise this would be the same hospital as the 'Reporting Hospital'.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

Integer link to Same Hospital Table defined in 'hospital_id'

Arrest Witnessed?**Field Name: arrest_witnessed**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Did the patient's arrest occur after EMS arrived, taken from the EMS Sheet.

Instructions for Coding/Data Entry:

Fill out according to EMS if the patient arrested after their arrival.

Input field validations at form submission AND data save:

Allows Yes/No/Unknown

Requirements:

Defaults to blank. Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	N	No
U	Unknown		

4/9/2015: 'Added Arrest Witnessed' and 'Arrest after EMS Arrival?' to the CEDaR Cardiac Arrest Data form to supplement witnessed data when CEDaR does not have a matching EMS record input.

Second Transport Agency**Field Name: secondtransportagency_id**

Type: Integer

Links to: transportagencies table

Multiple Field Entry: No

Definition:

The Second EMS Agency that transports the patient to the hospital that initiates/continues therapeutic hypothermia (TH) and also submits the prehospital CEDaR data. Defined from ASTR Table of Agencies – those codes starting with ‘T’, and the code for ‘NA’ – Not Applicable, ‘ND’ – Not Documented, and ‘U’ - Unknown.

Instructions for Coding/Data Entry:

Select the agency from the drop down list.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the transportation agencies table for valid agency)

Requirements:

Defaults to ‘NA’. Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

Links to same table listed for ‘responding agency_id’ field.

Second Destination**Field Name: seconddestination_id**

Type: Integer

Links to: hospitals table

Multiple Field Entry: No

Definition:

If the patient was treated at multiple hospitals, this is the second hospital they were treated at.

Instructions for Coding/Data Entry:

If the patient was treated at multiple hospitals, this is the second one that they were treated at. Select Hospital from presented list in drop down, or NA if not applicable.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the hospital table for valid hospital)

Requirements:

Defaults to 'NA'. Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

Integer link to Same Hospital Table defined in 'hospital_id'

Arrest After EMS Arrival?**Field Name: arrest_after_ems**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Did the patient's arrest occur after EMS arrived, taken from the EMS Sheet.

Instructions for Coding/Data Entry:

Fill out according to EMS if the patient arrested after their arrival.

Input field validations at form submission AND data save:

Allows Yes/No/Unknown

Requirements:

Defaults to blank. Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	N	No
U	Unknown		

4/9/2015: 'Added Arrest Witnessed' and 'Arrest after EMS Arrival?' to the CEDaR Cardiac Arrest Data form to supplement witnessed data when CEDaR does not have a matching EMS record input.

Third Transport Agency**Field Name: thirdtransportagency_id**

Type: Integer

Links to: transportagencies table

Multiple Field Entry: No

Definition:

The Third EMS Agency that transports the patient to the hospital that initiates/continues therapeutic hypothermia (TH) and also submits the CEDaR data. Defined from ASTR Table of Agencies – those codes starting with ‘T’, and the code for ‘NA’ – Not Applicable, ‘ND’ – Not Documented, and ‘U’ - Unknown.

Instructions for Coding/Data Entry:

The third Transporting Agency the patient may have been transported by. Select the agency from the drop down list.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the Transportation Agency table for valid agency)

Requirements:

Defaults to ‘NA’. Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

Integer link to table: transportagencies

Links to same table listed for ‘respondingagency_id’ field.

Third Destination**Field Name: thirddestination_id**

Type: Integer

Links to: hospitals table

Multiple Field Entry: No

Definition:

If the patient was treated at multiple hospitals, this is the third hospital they were treated at.

Instructions for Coding/Data Entry:

If the patient was treated at multiple hospitals, this is the third one that they were treated at. Select Hospital from presented list in drop down, or NA if not applicable.

Input field validations at form submission AND data save:

System only allows integers to be stored. (integer links to the hospital table for valid hospital)

Requirements:

Defaults to 'NA'. Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

Integer link to Same Hospital Table defined in 'hospital_id'

COLLAPSE DATE

Field Name: date_of_collapse
Type: String
Field Width: 10
Multiple Field Entry: No

Required

**** For patient incident matching, this date field should be used to find common ‘incident’ dates.**

Definition:

The date the patient collapsed.

Instructions for Coding/Data Entry:

The Collapse Date can be obtained from the Transport Agency’s Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Collapse Date can sometimes be obtained from the patient’s emergency department’s triage, admission, or similar record ,

Input field validations at form submission AND data save:

System only allows those characters that form a valid date in YYYY-MM-DD.

Cannot be in future from data entry date.

STORED Field Format: String: “YYYY-MM-DD”

Requirements:

Required in order to save for all data status, cannot be NA/ND/U.

Field Values

The following Null Values apply:

None

COLLAPSE TIME**Field Name: time_of_collapse**

Type: String

Field Width: 8

Multiple Field Entry: No

Not Required**Definition:**

The time the patient collapsed or was found by a third party.

Instructions for Coding/Data Entry:

Collapse Time can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Collapse Time can sometimes be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

STORED Field Format: String: "HH:MM:00" / "NA"/"ND"/"U" (imports may delineate actual second values)

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or 'ND', 'U' to be stored.

Requirements:

Default: NA; Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

ARRIVE EMERGENCY DEPARTMENT DATE**Field Name: date_arrived_ed**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date the patient arrived in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

Arrive Emergency Department Date can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Arrive Emergency Department Date can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

ARRIVE EMERGENCY DEPARTMENT TIME**Field Name: time_arrived_ed**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time the patient arrived in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

Arrive Emergency Department Time can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Arrive Emergency Department Time can be obtained from the patient's emergency department's triage, admission, or similar record.

STORED Field Format: String: "HH:MM:00" / "NA"/"ND"/"U" (imports may delineate actual second values)

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or 'NA', 'ND', 'U' to be stored (select option on hour drop down).
- If the date is 'NA', 'ND' or 'U' the time will also be saved as such.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

PATIENT'S FIRST NAME**Field Name: first_name**
Type: String
Field Width: 20
Multiple Field Entry: No**Definition:**

The patient's first (given) name.

Patient's First Name can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Patient's First Name can be obtained from the patient's emergency department's triage, admission, or similar record. All entries must be in Upper Case Text.

Input field validations at form submission AND data save:

System only allows those letters, numbers, dash, comma, period, single quotes.to be stored.

Requirements:

Required in order to save for 'In Progress' and 'Submitted' data status.

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
ND	Not Documented	U	Unknown

PATIENT'S LAST NAME

Field Name: last_name
Type: String
Field Width: 30
Multiple Field Entry: No

Definition:

The patient's last (family) name.

Instructions for Coding/Data Entry:

Patient's Last Name can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Patient's Last Name can be obtained from the patient's emergency department's triage, admission, or similar record. All entries must be in Upper Case Text.

Input field validations at form submission AND data save:

System only allows those letters, numbers, dash, comma, period, single quotes.to be stored.

Requirements:

Required in order to save for 'In Progress' and 'Submitted' data status.

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
ND	Not Documented	U	Unknown

GENDER**Field Name: gender**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

The patient's gender.

Instructions for Coding/Data Entry:

The patient's Gender can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Patient's First Name can be obtained from the patient's emergency department's triage, admission, or similar record. All entries must be in Upper Case Text.

Input field validations at form submission AND data save:

System only allows the character values below to stored.

Requirements:

Required in order to save for 'In Progress' and 'Submitted' data status.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
M	Male	ND	Not Documented
F	Female	U	Unknown

PATIENT'S DATE OF BIRTH**Field Name: date_of_birth**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The patient's date of birth.

Instructions for Coding/Data Entry:

The patient's Date of Birth can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Patient's Date of Birth can be obtained from the patient's emergency department's triage, admission, or similar record. All entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"

Input field validations at form submission AND data save:

Valid year range between 120 years ago to 'now' (i.e. no future birth dates, none older than 120 years.)

System only allows those characters that form a valid date in YYYY-MM-DD format.

If birth date is unknown, use the Age in Years or Age in Months fields to approximate age. One of these 3 fields must be entered.

Requirements:

Required in order to save for 'In Progress' and 'Submitted' data status. – conditional requirement, date of birth, age in years or age in months must be populated in order to save.

Validations

No future dates.

Birth Date cannot be 'NA' at save.

Field Values:

No Null values among the three values.

Requires either a valid birth date, or integer for age in years or months.

PATIENT AGE (YEARS)**Field Name: age_in_years**

Type: integer

Multiple Field Entry: No

Definition:

The patient's age in years, calculated as the difference between the Incident Date and the patient's Date of Birth, if left empty, or may be data entered for the estimated age if birth date is unknown.

Instructions for Coding/Data Entry:

If the Collapse Date, Patient's Date of Birth, or both fields are populated by Null Values or contain Dates that are not consistent with the approved format, the approximate age of the patient shall be obtained from the Transport Agency Run Sheet (if available) or from the patient's emergency department's triage, admission, or similar record.

If both Collapse date and Date of Birth are valid dates, the age is calculated and stored in this field at record save.

Validations/Calculations

Calculate based on DOB and Collapse Date if present, if not, allow values to be manually entered.

If manually entered, save birth date as U

Only allow numbers to be saved, test for valid integer to be saved if not calculated.

If birth date is unknown, use the Age in Years or Age in Months fields to approximate age. One of these 3 fields must be entered.

Requirements:

Required in order to save for 'In Progress' and 'Submitted' data status. – conditional requirement, date of birth, age in years or age in months must be populated in order to save.

Field Values:

Integer value representing age, 0-120

PATIENT AGE (MONTHS)

Field Name: age_in_months

Type: Integer

Multiple Field Entry: No

Definition:

In the case of age less than 2 years, this field captures the age in months.

Instructions for Coding/Data Entry:

The patient's age if less than 2 years can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Patient's age if less than 2 months – reported as months - can be obtained from the patient's emergency department's triage, admission, or similar record. All entries must be in Upper Case Text.

Validations/Calculations

Calculate based on DOB and Collapse Date if present, if not, allow values to be manually entered. If calculation is less than 2 years, the months are stored here.

Only allow numbers to be saved, test for valid integer to be saved if not calculated.. Store NA otherwise

If birth date is unknown, use the Age in Years or Age in Months fields to approximate age. One of these 3 fields must be entered.

Requirements:

Required in order to save for 'In Progress' and 'Submitted' data status. – conditional requirement, date of birth, age in years or age in months must be populated in order to save.

Field Values:

Integer 0-24

INITIAL ARRIVE LOCATION**Field Name: arrive_initial_location**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

Location at Reporting Hospital the patient first arrived.

Validations/Calculations

Simple drop down select. Default blank.

Requirements:

Required (not blank) in order to save for 'Submitted' data status.

Field Values:

ED	ED
CATH LAB	CATH LAB
ICU'	ICU
OTHER	OTHER
U	Unknown
ND	Not Documented

INITIAL PATIENT DISPOSITION**Field Name: initial_patient_disposition**

Type: String

Field Width: 30

Multiple Field Entry: No

Definition:

Initial disposition of the patient as they arrived to ED

Requirements:

Required in order to save for 'Submitted' data status.

Field Values:

Value	Descriptive Value
Alert	Alert
Unconscious/Unresponsive	Unconscious/Unresponsive
Responsive – verbal	Responsive – verbal
Responsive – physical	Responsive – physical
ND	Not Documented
U	Unknown

IMPORTED CAC DATA: Populated with 'NA' as this field was not collected then.

TEMP**Field Name: temp**

Type: String

Field Width: 5

Multiple Field Entry: No

Definition:

Temperature of patient upon arrival to ED

Field Format: [000.0] / [ND] / [U].**Requirements:**

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Validations/Calculations

Required to be numeric, ND, or U at save for submit status.

Field Values:

Range: 10-120

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
ND	Not Documented	U	Unknown

TEMP UNIT**Field Name: temp_unit**

Type: string

Field Width: 2

Multiple Field Entry: No

Definition:

Then units the patient's temperature was recorded in degrees – C (Celsius) or F (Fahrenheit).

Instructions for Coding/Data Entry:**Requirements:**

Required for non 'In Progress' Statuses only if 'Temp' is filled in with a numeric value

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
C	Celsius	F	Fahrenheit
	Blank if Temp = ND or U		

TEMP TYPE**Field Name: temp_type**

Type: string

Field Width: 2

Multiple Field Entry: No

Definition:

The patient's initial heart rate on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The Initial Heart Rate can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

Requirements:

Required for non 'In Progress' Statuses only if 'Temp' is filled in with a numeric value

Field Values:

DATA VALUE	DESCRIPTION
R	Rectal
B	Bladder
E	Esophageal
O	Other
NA	ONLY OLD data: (not available for data entry) For old Imported CAC data that did not collect this info.

Pulse**Field Name: pulse**

Type: string

Field Width: 5

Multiple Field Entry: No

Definition:

The patient's initial heart rate on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The Pulse/Initial Heart Rate can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

Range: 0 - 175

The following Null Values apply:

DATA VALUE	DESCRIPTION
ND	Not Documented
U	Unknown
NA	ONLY OLD data: (not available for data entry) For old Imported CAC data that did not collect this info.

INITIAL SBP (SYSTOLIC BLOOD PRESSURE)**Field Name: initial_sbp**

Type: String

Field Width: 3

Multiple Field Entry: No

Definition:

The patient's initial systolic blood pressure (SBP) recorded on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The initial SBP can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

Field Validations:

Integer values may range from 0 to 400, but allow string null values too.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION
ND	Not Documented
U	Unknown
NA	ONLY OLD data: (not available for data entry) For old Imported CAC data that did not collect this info.

INITIAL DBP (DIASTOLIC BLOOD PRESSURE)**Field Name: initial_dbp**

Type: String

Field Width: 3

Multiple Field Entry: No

Definition:

The patient's initial diastolic blood pressure (DBP) recorded on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The Initial DBP can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

Field Validations:

Integer values may range from 0 to 200, but allow string null values too.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION
ND	Not Documented
U	Unknown

Blood Pressure is Systolic/diastolic SBP/DBP

INITIAL RESPIRATORY RATE**Field Name:** initialrespiratoryrate
Type: String
Field Width: 3
Multiple Field Entry: No**Definition:**

The patient's initial respiratory rate expressed as a number per minute recorded on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The Initial Respiratory Rate can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

Field Validations:

Integer values may range from 0 to 100, but allow string null values ND/U.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION
ND	Not Documented
U	Unknown
NA	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

Respiratory Method**Field Name: rr_method**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Whether Respiration was assisted (1) or spontaneous (2)

Instructions for Coding/Data Entry:

The Respiratory Method can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the Patient's Respiratory method can be obtained from the patient's emergency department's triage, admission, or similar record. All entries must be in Upper Case Text.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

The following Values apply:

DATA VALUE	DESCRIPTION
1	Assisted
2	Spontaneous
ND	Not Documented
U	Unknown

GLASGOW COMA SCORE (GCS)**Field Name:** gcs

Type: Integer

Field Width: 2

Multiple Field Entry: No

Definition:

The patient's Glasgow Coma Score on arrival at the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

"Glasgow Coma Score" (GCS) data value is expressed by a number ranging from 3 (worst) to 15 (best). The GCS can be obtained from the patient's emergency department's triage, admission, or similar record. All null value entries must be in Upper Case Text.

Field Values:**Select List:** 3 – 15 and null values

The following Null Values apply:

DATA VALUE	DESCRIPTION
ND	Not Documented
U	Unknown

INITIAL ARREST RHYTHM (EMS)**Field Name: initial_rhythm**

Type: String

Field Width: 5

Multiple Field Entry: No

Definition:

The patient's initial arrest cardiac rhythm recorded on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The Initial Field Rhythm can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital. . Values are selected from available drop down list.

Note: initial ARREST rhythm is not expected to be NSR, so not on this option list (was in previous versions).

If a patient codes and a bystander grabs an AED off the wall and shocks the patient. The patient regains some sort of rhythm by the time EMTs arrive, then they should mark 'unknown shockable rhythm' because one can not know what the rhythms was before AED advised a shock.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:**Select List:**

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
ASYS	Asystole	ND	Not Documented
PEA	Pulseless Electrical Activity	OTH	Other
VF/VT	Ventricular Fibrillation / Tachycardia	U	Unknown

RHYTHM AT ED**Field Name: arrival_ed_rhythm**

Type: String

Field Width: 5

Multiple Field Entry: No

Definition:

The patient's initial cardiac rhythm recorded on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

The Initial hospital Rhythm can be obtained from the patient's emergency department's triage, admission, or similar record. All value entries must be in Upper Case Text.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:**Select List:**

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
ASYS	Aystole	ND	Not Documented
PEA	Pulseless Electrical Activity	OTH	Other
VF / VT	Ventricular Fibrillation / Tachycardia	U	Unknown
NSR	Normal Sinus Rhythm		

INTUBATED**Field Name: intubated**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Whether the patient was intubated on arrival in the emergency department of the Reporting Hospital.

Instructions for Coding/Data Entry:

If the patient was intubated by the Transporting Agency or the Transferring Hospital and intubation was confirmed as patent at the time the patient arrived in the Reporting Hospital, a "Y" is entered in the field. If the patient was not intubated by the Transporting Agency, or the Transferring Hospital, or intubation was confirmed as non-patent at the time the patient arrived in the Reporting Hospital, a "N" is entered in the field. All entries must be in Upper Case Text.

Field Values:

Select List:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	ND	Not Documented
N	No	U	Unknown

INTUBATED – WHERE**Field Name: where_intubated**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

The location the patient was intubated on arrival at the Reporting Hospital.

Instructions for Coding/Data Entry:

If the patient was intubated by the Transporting Agency or the Transferring Hospital and intubation was confirmed as patent at the time the patient arrived in the Reporting Hospital, “PH” is entered in the field. If the patient was not intubated by the Transporting Agency, or the Transferring Hospital, or intubation was confirmed as non-patent at the time the patient arrived in the Reporting Hospital, and intubation was performed at the Reporting Hospital, “ED” is entered in the field. All entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Required to be non-NA if ‘Intubated’ is Yes.

Field Values:

Default: NA

Select List:

DATA VALUE	DESCRIPTION
ED	Emergency Department (Reporting Hospital)
PH	Prehospital Hospital)
TH	Transferring Hospital
NA	Not Applicable
ND	Not Documented
U	Unknown

SUSPECT CAUSE OF OUT OF HOSPITAL CARDIAC ARREST

Field Name: cardiac_arrest_suspected_cause
Type: string
Field Width: 15
Null Values Accepted: Yes
Multiple Field Entry: No

Definition:

The suspected cause of the out of hospital cardiac arrest.

Instructions for Coding/Data Entry:

The “Suspect Cause of Out of Hospital Cardiac Arrest” can be obtained from the Transport Agency’s Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available the Suspected Cause can be obtained from the patient’s emergency department’s triage, admission, or similar record. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

Select List:

Cardiac	Cardiac
Drowning	Drowning
Overdose	Alcohol-Drug Overdose
Hanging	Hanging
Respiratory	Respiratory
Stroke	Stroke
ND	Not Documented
U	Unknown
NA	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

Original CAC Word Form: (for any historic data import purposes)

- 1 = Cardiac
- 2 = Drowning
- 3 = ETH or Drug Overdose
- 4 = Hanging
- 5 = Respiratory
- 6=?

DATE RETURN OF SPONTANEOUS CIRCULATION (ROSC)**Field Name: date_rosc**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date when the patient first experienced a Return of Spontaneous Circulation at any time during the out of hospital cardiac arrest (OHCA) event, from the time of first EMS agency contact throughout the time the patient is at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Date Return of Spontaneous Circulation” can be obtained from the Transport Agency’s Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the “Date Return of Spontaneous Circulation” can be obtained from the patient’s emergency department’s triage, admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “YYYY-MM-DD” / “NA” / “ND” / “U”**Requirements:**

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Validations:

Must be on or after ‘Collapse Date’

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for ‘NA’, ‘ND’, ‘U’

Field Values:

Default: NA

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME RETURN OF SPONTANEOUS CIRCULATION (ROSC)**Field Name: time_rosc**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time when the patient first experienced a Return of Spontaneous Circulation at any time during the out of hospital cardiac arrest (OHCA) event, from the time of first EMS agency contact throughout the time the patient is at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Time Return of Spontaneous Circulation” can be obtained from the Transport Agency’s Run Sheet accompanying the patient at the Reporting Hospital. If a Run Sheet is not available, the “Time Return of Spontaneous Circulation” can be obtained from the patient’s emergency department’s triage, admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)**Requirements:**

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Default: NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

DATE ARRIVE ICU**Field Name: date_arrive_icu**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date the patient arrived in the Intensive Care Unit (ICU) at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Date Arrive ICU” can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “YYYY-MM-DD” / “NA” / “ND” / “U”

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Validations:

Must be on or after ‘Collapse Date’

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for ‘NA’, ‘ND’, ‘U’

Field Values:

Default: NA

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME ARRIVE ICU**Field Name: time_arrive_icu**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time the patient arrived in the Intensive Care Unit (ICU) at the Reporting Hospital.

Instructions for Coding/Data Entry:

The "Time Arrive ICU" can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "HH:MM:00" / "NA"/"ND"/"U" (imports may delineate actual second values)

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or 'NA', 'ND', 'U' to be stored (select option on hour drop down).
- If the date is 'NA', 'ND' or 'U' the time will also be saved as such.

Field Values:

Default: NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

DATE TO CATH LAB**Field Name: date_to_cathlab**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date the patient arrived in the Cardiac Catheterization Lab at the Reporting Hospital.

Instructions for Coding/Data Entry:

The "Date to Cath. Lab" can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Field Values:

Default: NA

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME TO CATH LAB**Field Name: time_to_cathlab**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time the patient arrived in the Cardiac Catheterization Lab at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Time to Cath. Lab” can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Default: NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

**ST SEGMENT ELEVATION
MYOCARDIAL INFARCTION (STEMI)**

Field Name: stemi
Type: String
Field Width: 2
Multiple Field Entry: No

Definition:

Whether the patient was documented as having an ST Segment Elevation Myocardial Infarction (STEMI) on ECG.

Instructions for Coding/Data Entry:

The “STEMI” status can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

Y	Yes
N	No
NP	12-lead not performed
NA	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

COMPLETE ARTERY OCCLUSION

Field Name: complete_artery_occlusion
Type: String
Field Width: 2
Multiple Field Entry: No

Definition:

Whether the patient was documented as having a complete artery occlusion at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Complete Artery Occlusion” status at the Reporting Hospital can be obtained from the patient’s cath lab recorder or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

STORED VALUE	DESCRIPTION
Y	Yes
N	No
NA	NA-Did not go to Cath Lab

INTERVENTION**Field Name: intervention**

Type: String

Field Width: 15

Multiple Field Entry: No

Definition:

Intervention

Instructions for Coding/Data Entry

The “Intervention” status at the Reporting Hospital can be obtained from the patient’s cath lab records, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

The following Values apply:

DATA VALUE	DESCRIPTION
None	No Intervention
PCI	PCI
CABG	CABG
PCI and CABG	PCI and CABG
NA	NA-Did not go to Cath Lab
ND	Not Documented
U	Unknown

OLD CAC Word Form for historic data import purposes:

No Intevention (1)
PCI (2)
CABG (3)
PCI and CABG (4)

CARDIOLOGY CONSULTATION IN EMERGENCY DEPARTMENT

Field Name: cardiology_consultation_in_ed

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Whether a cardiology consultation was performed in the emergency department at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Cardiology Consultation in Emergency Department” status at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

Default: NA

DATA VALUE	DESCRIPTION
Y	Yes
N	No
NA	Not Applicable
ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

ADVERSE EFFECTS - NONE**Field Name: adverse_none**

Type: TinyInt - boolean

Field Width: 1

Multiple Field Entry: No

Definition:

No adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

ADVERSE EFFECTS - INFECTION**Field Name:** adverse_infection
Type: Tiny Int (Boolean)
Field Width: 1
Multiple Field Entry: No

Definition:

Infection was reported as an adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

ADVERSE EFFECTS - BLEEDING**Field Name: adverse_bleeding**

Type: TinyInt (Boolean)

Field Width: 1

Multiple Field Entry: No

Definition:

Bleeding was reported as an adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

ADVERSE EFFECTS – DVT**Field Name: adverse_dvt**

Type: TinyInt (Boolean)

Field Width: 1

Multiple Field Entry: No

Definition:

DVT was reported as an adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

ADVERSE EFFECTS - HYPERKALEMIA**Field Name: adverse_hyperkalemia**

Type: TinyInt (Boolean)

Field Width: 1

Multiple Field Entry: No

Definition:

Hyperkalemia was reported as an adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

ADVERSE EFFECTS – UNKNOWN**Field Name: adverse_unknown**

Type: TinyInt (Boolean)

Field Width: 1

Multiple Field Entry: No

Definition:

It is unknown if an Adverse Effect was reported as an adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

ADVERSE EFFECTS – OTHER

Field Name: adverse_other
Type: TinyInt (Boolean)
Field Width: 1
Multiple Field Entry: No

Definition:

Other Adverse Effect was reported as an adverse effect of the therapeutic hypothermia cooling protocol for treatment in the Reporting Hospital was reported.

Instructions for Coding/Data Entry:

The “Adverse Effects” at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. Adverse effects are those observed at the hospital.

Requirements:

At least one Adverse Event must be selected: None, Infection, Bleeding, DVT, Hyperkalemia, Unknown, other. If other, Comments are required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
0	No	1	Yes

DATE TERMINATED CARE**Field Name: date_terminated_care**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date when patient care was terminated in the Reporting Hospital.

Instructions for Coding/Data Entry:

The "Date Terminated Care" at the Reporting Hospital can be obtained from the patient record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"**Requirements:**

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Required, Not NA, if care was terminated.

Field Values:

Default: NA

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME TERMINATED CARE**Field Name:** time_terminated_care
Type: String
Field Width: 8
Multiple Field Entry: No

Definition:

The time when patient care was terminated in the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Time Terminated Care” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Not required for ‘In Progress’ Status

Required for all other status to be non-NA if care was terminated.

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Default: NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TERMINATED CARE – WHY**Field Name: why_terminated_care**
Type: String
Field Width: 2
Multiple Field Entry: No**Definition:**

The why patient care was terminated.

Instructions for Coding/Data Entry:

The “Terminated Care – Why” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not required for ‘In Progress’ Status

Required for all other status to be non-NA if care was terminated.

Field Values:

Default: NA

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
1	No Response	NA	Not Applicable
2	DNR/AND – Prehospital	ND	Not Documented
3	DNR/AND - Hospital	U	Unknown

OLD CAC

1	No Response to Medical Treatment, All Interventions Failed	ND	Not Documented
2	Life Support Discontinued/DNR	U	Unknown

TERMINATED CARE – REASONS**Field Name: reason_terminated_care**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

Reason patient care was terminated.

Instructions for Coding/Data Entry:

The “Terminated Care – Reason” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not required for ‘In Progress’ Status

Required for all other status to be non-NA if care was terminated.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
MOF	Multisystem Organ Failure	SSOF-R	Single System Organ Failure – Renal
SSOF-L	Single System Organ Failure – Liver	SSOF-O	Single System Organ Failure – Other
NCS-FBS	Neuro C/S - Brain Perfusion Scan - No Flow	NA	Not Applicable
ND	Not Documented	U	Unknown
NRT	No Anticipated Response to Treatment Expected		

TERMINATED CARE – WHERE**Field Name: where_terminated_care**

Type: String

Field Width: 3

Multiple Field Entry: No

Definition:

The location in the Reporting Hospital where patient care was terminated.

Instructions for Coding/Data Entry:

The “Terminated Care – Where” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not required for ‘In Progress’ Status

Required for all other status to be non-NA if care was terminated.

Field Values:

Default: NA

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
ED	Emergency Department	NA	Not Applicable
ICU	Intensive Care Unit	ND	Not Documented
OTH	Other	U	Unknown

OUTCOME**Field Name: outcome**

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

The patient's final outcome after entering the Reporting Hospital.

Instructions for Coding/Data Entry:

The patient's final "Outcome" at the Reporting Hospital can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

Field Values:

DATA VALUE	DESCRIPTION
1	Death in Hospital
3	Discharged from Hospital Alive
ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

DATE OF DISCHARGE OR DEATH**Field Name: date_of_discharge_or_death**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date on which the patient was discharged from the Reporting Hospital or died in the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Date of Discharge or Death” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “YYYY-MM-DD” / “NA” / “ND” / “U”**Requirements:**

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Validations:

Must be on or after ‘Collapse Date’

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for ‘NA’, ‘ND’, ‘U’

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME OF DISCHARGE OR DEATH**Field Name: time_of_discharge_or_death**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time at which the patient was discharged from the Reporting Hospital or died in the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Time of Discharge or Death” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

CEREBRAL PERFORMANCE CATEGORY (CPC) SCALE**Field Name: cpc_scale**
Type: Integer
Field Width: 2
Multiple Field Entry: No**Definition:**

The patient's Cerebral Performance Category (CPC) Scale on discharge from the Reporting Hospital.

Instructions for Coding/Data Entry:

The "Cerebral Performance Category Scale" (CPC Scale) at the Reporting Hospital can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Required in order to save for 'Submitted' data status, not required for 'In Progress'.

When saving for 'Submitted' if outcome is lived, CPC cannot be 5; if outcome is death, CPC must be 5.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
1	1-good cerebral performance	4	4-coma or vegetative state
2	2-moderate cerebral disability	5	5-death
3	3-severe cerebral disability	ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

Organ(s) or Tissue harvested at facility?

Field Name: organ_donor

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Whether the patient's organs were harvested for donation.

Instructions for Coding/Data Entry:

The "Organ Donor" status at the Reporting Hospital can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not Required.

Field Values:

DATA VALUE	DESCRIPTION
Y	Yes
N	No
NX	No - but scheduled at another facility
NA	NA - Discharged
U	Unknown
ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

AUTOMATED IMPLANTED CARDIAC DEFIBRILLATOR

Field Name: automated_implanted_cardiac_defibrillator

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Whether an automated Implanted Cardiac Defibrillator (AICD) was implanted during hospitalization.

Instructions for Coding/Data Entry:

The "AICD" status at the Reporting Hospital can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not Required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	NS	No, but Scheduled
N	No	NA	NA-Death
ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.	NV	No, Discharged with Life Vest (Added 5/1/2014)

REHABILITATION MEDICINE CONSULTATION ON DISCHARGE

Field Name: rehabilitation_medicine_consultation_on_discharge

Type: String

Field Width: 2

Multiple Field Entry: No

Definition:

Whether a rehabilitation medicine consultation was performed upon the patient's discharge from the hospital.

Instructions for Coding/Data Entry:

The "Rehabilitation Medicine Consultation On Discharge" status at the Reporting Hospital can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not Required.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	NA	Not Applicable (Death)
N	No	ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.

Was Therapeutic Hypothermia initiated?**Field Name: th_initiated**

Type: String

Field Width: 3

Multiple Field Entry: No

Definition:

Was Therapeutic Hypothermia (TH) cooling, per hospital personnel, initiated.

Instructions for Coding/Data Entry:

If therapeutic hypothermia was initiated, a “Y” is entered in the field. If not, a “N” is entered in the field. All entries must be in Upper Case Text.

Requirements:

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
Y	Yes	N	No
ND	ONLY: (not available for data entry) For old Imported CAC data that did not collect this info.		

Exception Case: TH was Environmentally started (cold climate), and continued once in the hospital, so cooling temp was reached already at admission, in this case, TH Initiated should be N; why – other – environmental, time cooling temp reached: U.

Where was TH INITIATED**Field Name: th_initiated_where**

Type: String

Field Width: 3

Multiple Field Entry: No

Definition:

If Initiated, where Therapeutic Hypothermia cooling protocol was initiated.

Instructions for Coding/Data Entry:

If the “Therapeutic Hypothermia Initiated” field is populated as “Y”, then indicate the location where it was initiated. All entries must be in Upper Case Text.

Requirements:

Required to be non-NA if TH_initiated is ‘N’, in order to save for any data status other than ‘In Progress’.

Field Values:**Default: NA**

Data Value	Description
CL	Cath Lab
ED	ED
FLD	Field
ICU	ICU
TX	Transferring Hospital
NA	Not Applicable
ND	Not Documented
U	Unknown

TH Not Initiated, Why**Field Name: th_not_initiated_why**

Type: String

Field Width: 3

Multiple Field Entry: No

Definition:

The reason for why Therapeutic Hypothermia cooling protocol was not initiated.

Instructions for Coding/Data Entry:

If the “Therapeutic Hypothermia Initiated” field is populated as “N”, the “Therapeutic Hypothermia not initiated –Why” field must be populated by one of the listed field values. All null value entries must be in Upper Case Text.

Requirements:

Required non-NA if th_initiated is ‘N’ in order to save for any data status other than ‘In Progress’.

Field Values:**Default: NA**

Data Value	Description
11	> 60 minutes of CPR prior to ED arrival
12	No Return of Spontaneous Circulation (ROSC)/Lost Spontaneous Circulation
13	Patient Regained Consciousness
14	Other - DNR/AND
15	Other - Hypotension
16	Other - Hypothermia on admission
17	Other - infection
18	Other - Pediatric
19	Other - Pregnancy
20	Other - Uncontrolled Bleeding
NA	Not Applicable
30	ONLY FOR IMPORTED CAC: ‘OTHER – Imported ’
50	Other- Environmentally cooled

Options newly added with CEDaR start with 50.

From OLD DD, for data conversion reference:

Data Value	Description
1	> 60 minutes of CPR
2	No Return of Spontaneous Circulation (ROSC)
3	Patient Regained Consciousness
4	Other - See Comments if Reason Documented
5	Patient Appeared Eligible but no TH Initiated
ND	Not Documented
U	Unknown

THERAPEUTIC HYPOTHERMIA COMPLETED**Field Name: th_completed**

Type: String

Field Width: 15

Multiple Field Entry: No

Definition:

Was Therapeutic Hypothermia completed? (Warming was ended.)

Instructions for Coding/Data Entry:

If the "Therapeutic Hypothermia Initiated" field is populated as "Y", then indicate if it was completed. All entries must be in Upper Case Text.

Requirements:

Not Required to save for data status 'In Progress'. Required for 'Submitted' status if TH_INITIATED is 'Y'.

Instructions for Coding/Data Entry:

Default: NA

Select List

Data Value	Description
Y	Yes
NO-DNR	No - DNR
NO-DIED	No - Died
NO-MEDICALCOMP	No - Medical Complication
NO-TX	No - Transferred
NO-WOKEUP	No - Woke Up (Added 2/27/2014)
NA	Not Applicable
ND	Not Documented

THERAPEUTIC HYPOTHERMIA METHOD

Field Name: Many, see definition below
Type: tinyint (Boolean)
Field Width: 1
Multiple Field Entry: No

Definition:

The cooling method used on the patient for the Therapeutic Hypothermia protocol.

Requirements:

Not Required.

Instructions for Coding/Data Entry:

Presented as a series of check boxes to select what method was used and where:

O=No; 1= Yes

Field Name	Value	Default	Definition
th_ice_ph	0/1	0	Ice in PreHospital
th_ice_ed	0/1	0	Ice in ED
th_ice_icu	0/1	0	Ice in ICU
th_ice_oth	0/1	0	Ice OTHER
th_cif_ph	0/1	0	Cold IV Fluids in Pre
th_cif_ed	0/1	0	Cold IV Fluids in ED
th_cif_icu	0/1	0	Cold IV Fluids in ICU
th_cif_oth	0/1	0	Cold IV Fluids OTHER
th_blkt_ph	0/1	0	Cooling Blanket in Pre
th_blkt_ed	0/1	0	Cooling Blanket in ED
th_blkt_icu	0/1	0	Cooling Blanket in ICU
th_blkt_oth	0/1	0	Cooling Blanket OTHER
th_cath_ph	0/1	0	Intravascular Catheter in Pre
th_cath_ed	0/1	0	Intravascular Catheter in ED
th_cath_icu	0/1	0	Intravascular Catheter in ICU
th_cath_oth	0/1	0	Intravascular Catheter OTHER
th_ec_ph	0/1	0	External Cooling in Pre
th_ec_ed	0/1	0	External Cooling in ED
th_ec_icu	0/1	0	External Cooling in ICU
th_ec_oth	0/1	0	External Cooling OTHER

DATE COOLING STARTED**Field Name: date_cooling_started**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date therapeutic hypothermia cooling was started on the patient at any time during the out of hospital cardiac arrest (OHCA) event, from the time of first EMS agency contact throughout the time the patient is at the Reporting Hospital.

Instructions for Coding/Data Entry:

The "Date Cooling Started" can be obtained from the Transport Agency's Run Sheet accompanying the patient at the Reporting Hospital only if cooling started in field. If cooling was not initiated in field or a Run Sheet is not available, the "Date Cooling Started" can be obtained from the patient's emergency department's triage, admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"**Requirements:**

Default NA

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH_COMPLETED= Y

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Field Values:

Default: NA

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME COOLING STARTED**Field Name: time_cooling_started**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time therapeutic hypothermia cooling was started on the patient at any time during the out of hospital cardiac arrest (OHCA) event, from the time of first EMS agency contact throughout the time the patient is at the Reporting Hospital.

Instructions for Coding/Data Entry:

The “Time Cooling Started” can be obtained from the Transport Agency’s Run Sheet accompanying the patient at the Reporting Hospital only if cooling started in field. If cooling was not initiated in field or a Run Sheet is not available, the “Time Cooling Started” can be obtained from the patient’s emergency department’s triage, admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Not required when status = ‘In Progress’.

Required not NA for all other statuses when TH _COMPLETED= Y

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Default:NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

MINIMUM TARGET TEMPERATURE**Field Name:** target_temperature_min
Type: String
Min. 5
Multiple Field Entry: No**Definition:**

The patient's pre-determined target core-temperature minimum for therapeutic hypothermia protocol.

Instructions for Coding/Data Entry:

The "Target Temperature Min" can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Field Format: [00.0].

Requirements:

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH _COMPLETED= Y

Field Values:

Default:NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

If Required, must be numeric or 'ND' or 'U'. Valid numeric values must be 30-120.

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	U	Unknown
ND	Not Documented		

MAXIMUM TARGET TEMPERATURE**Field Name:** target_temperature_max
Type: String
Min. 5
Multiple Field Entry: No**Definition:**

The patient's pre-determined target core-temperature maximum for therapeutic hypothermia protocol.

Instructions for Coding/Data Entry:

The "Target Temperature Max" can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Field Format: [00.0].

Requirements:

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH _COMPLETED= Y

Field Values:

Default:NA

Valid Time selected from hour/minute drop downs or:

If Required, must be numeric or 'ND' or 'U'. Valid numeric values must be 30-120.

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	U	Unknown
ND	Not Documented		

TARGET TEMPERATURE UNIT**Field Name: target_temperature_unit**

Type: String

Min. 2

Multiple Field Entry: No

Definition:

The unit of measurement the temperature min/max is expressed in.

Instructions for Coding/Data Entry:

The “Target Temperature Units” can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not required when status = ‘In Progress’.

Required not NA for all other statuses when TH _COMPLETED= Y if min or max is populated and not NA/ND/U.

Field Values:

Default:NA

Valid Time selected from hour/minute drop downs or:

If Required, must be ‘C’ or ‘F’

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
C	C	F	F

DATE TARGET TEMPERATURE**Field Name: date_target_temperature**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date the patient's pre-determined target core-temperature for therapeutic hypothermia protocol was reached at the Reporting Hospital, expressed in degrees celsius/centigrade.

Instructions for Coding/Data Entry:

The "Date Target Temperature" was reached at the Reporting Hospital can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"**Requirements:**

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH_COMPLETED= Y

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Field Values:

Default:NA

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME TARGET TEMPERATURE

Field Name: time_target_temp
Type: String
Field Width: 8
Multiple Field Entry: No

Definition:

The time the patient’s pre-determined target core-temperature for therapeutic hypothermia protocol was reached at the Reporting Hospital, expressed in degrees celsius/centigrade.

Instructions for Coding/Data Entry:

The “Time Target Temperature” was reached at the Reporting Hospital can be obtained from the patient’s admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Not required when status = ‘In Progress’.

Required not NA for all other statuses when TH _COMPLETED= Y

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Default:NA

Valid Time selected from hour/minute drop downs or:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

DATE REWARMING STARTED**Field Name: date_rewarming_started**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date when patient warming was started.

Instructions for Coding/Data Entry:

The "Date Warming Started" at the Reporting Hospital can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"**Requirements:**

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH_COMPLETED= Y

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME REWARMING STARTED**Field Name: time_rewarming_started**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time when patient warming was started.

Instructions for Coding/Data Entry:

The "Time Warming Started" at the Reporting Hospital can be obtained from the patient's admission, or similar record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "HH:MM:00" / "NA"/"ND"/"U" (imports may delineate actual second values)**Requirements:**

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH_COMPLETED= Y

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or 'NA', 'ND', 'U' to be stored (select option on hour drop down).
- If the date is 'NA', 'ND' or 'U' the time will also be saved as such.

Field Values:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

MINIMUM TARGET REWARM TEMPERATURE**Field Name:** target_rewarm_temp_min
Type: String
Min. 5
Multiple Field Entry: No**Definition:**

The patient's pre-determined rewarm target core-temperature minimum for therapeutic hypothermia protocol.

Instructions for Coding/Data Entry:

The "Re-warm Target Temperature Min" can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Field Format: [00.0].**Requirements:**

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH _COMPLETED= Y

Field Values:**If Required, must be numeric or 'ND' or 'U'.**

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	U	Unknown
ND	Not Documented		

MAXIMUM REWARM TARGET TEMPERATURE**Field Name:** target_rewarm_temp_max

Type: String

Min. 5

Multiple Field Entry: No

Definition:

The patient's pre-determined re-warm target core-temperature maximum for therapeutic hypothermia protocol.

Instructions for Coding/Data Entry:

The "Re-Warm Target Temperature Maximum" can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Field Format: [00.0].**Requirements:**

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH _COMPLETED= Y

Field Values:**If Required, must be numeric or 'NA', 'ND', or 'U'**

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	U	Unknown
ND	Not Documented		

TARGET REWARM TEMPERATURE UNITS**Field Name: target_rewarm_temp_unit**

Type: String

Min. 2

Multiple Field Entry: No

Definition:

The unit of measurement the temperature min/max is expressed in.

Instructions for Coding/Data Entry:

The “Target Re-Warm Temperature Unit” can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

Requirements:

Not required when status = ‘In Progress’.

Required for all other statuses when TH _COMPLETED= Y and target rewarm max/min is not NA/ND/U

Field Values:

If Required, must be ‘C’ or ‘F’

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
C	C	F	F

DATE WARMING ENDED**Field Name: date_warming_ended**
Type: String
Field Width: 10
Multiple Field Entry: No**Definition:**

The date when patient warming was ended.

Instructions for Coding/Data Entry:

The “Date Warming Ended” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “YYYY-MM-DD” / “NA” / “ND” / “U”

Requirements:

Not required when status = ‘In Progress’.

Required not NA for all other statuses when TH _COMPLETED= Y

Field Validations:

Must be on or after ‘Collapse Date’

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for ‘NA’, ‘ND’, ‘U’

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME WARMING ENDED**Field Name:** time_warming_ended
Type: String
Field Width: 8
Multiple Field Entry: No**Definition:**

The time when patient warming was ended.

Instructions for Coding/Data Entry:

The “Time Warming Ended” at the Reporting Hospital can be obtained from the record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Not required when status = ‘In Progress’.

Required not NA for all other statuses when TH _COMPLETED= Y

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

DATE COMMANDS FOLLOWED**Field Name: date_commands_followed**

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

The date when the patient was first able to follow commands.

Instructions for Coding/Data Entry:

The "Date Commands Followed" at the Reporting Hospital can be obtained from the patient's record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: "YYYY-MM-DD" / "NA" / "ND" / "U"**Requirements:**

Not required when status = 'In Progress'.

Required not NA for all other statuses when TH_COMPLETED= Y and outcome = Discharged from hospital alive

If patient is discharged alive but never followed commands under your care, use 'U' for date commands followed.

Field Validations:

Must be on or after 'Collapse Date'

Cannot be in future from data entry date.

Accepts valid date values via drop down; month drop down includes values for 'NA', 'ND', 'U'

Field Values:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

TIME COMMANDS FOLLOWED**Field Name: time_commands_followed**

Type: String

Field Width: 8

Multiple Field Entry: No

Definition:

The time when the patient was first able to follow commands.

Instructions for Coding/Data Entry:

The “Time Commands Followed” at the Reporting Hospital can be obtained from the patient’s record generated by the Reporting Hospital. All null value entries must be in Upper Case Text.

STORED Field Format: String: “HH:MM:00” / “NA”/”ND”/”U” (imports may delineate actual second values)

Requirements:

Not Required unless TH_COMPLETED= ‘Y’.

Required in order to save for ‘Submitted’ data status, not required for ‘In Progress’.

Input field validations at form submission AND data save:

- System only allows those characters that form a valid time in HH:MM:00 format or ‘NA’, ‘ND’, ‘U’ to be stored (select option on hour drop down).
- If the date is ‘NA’, ‘ND’ or ‘U’ the time will also be saved as such.

Field Values:

Valid Time selected from hour/minute drop downs or:

The following Null Values apply:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
NA	Not Applicable	ND	Not Documented
U	Unknown		

COMMENTS

Field Name: comments
Type: Text
Field Width: Free Text
Null Values Accepted: N/A
Multiple Field Entry: N/A

Definition:

Text notes to explain or clarify additional information or values contained in the data elements for individual patient records in the Cardiac Arrest Center Database.

Requirements:

None, but if adverse events – other is selected, require this to be not empty and prompt for other adverse event(s).

Field Values:

Free Text.

Survivor Address

Field Name: survivor_street_address
Type: String; Field Width: 40
Multiple Field Entry: No

Definition:

Mailing - Street Address of survivor.

Survivor City

Field Name: survivor_city
Type: String; Field Width: 30
Multiple Field Entry: No

Definition:

Mailing – City of survivor.

Survivor State

Field Name: survivor_state
Type: String; Field Width: 2
Multiple Field Entry: No

Definition:

Mailing – State of survivor.

Survivor Zip

Field Name: survivor_zip
Type: String; Field Width: 15
Multiple Field Entry: No

Definition:

Mailing – Zip of survivor.

Survivor Phone

Field Name: survivor_phone
Type: String; Field Width: 15
Multiple Field Entry: No

Definition:

Mailing – Phone Number of survivor.
Added 2/26/2014

Survivor Email

Field Name: survivor_email
Type: String; Field Width: 15
Multiple Field Entry: No

Definition:

Mailing – Email Address of survivor.
Added 5/1/2014

Other Data Fields – CEDaR Application Specific

Data Status

Field Name: datastatus_id

Type: integer

Multiple Field Entry: No

Definition:

Indicates status of the current record

Instructions for Coding/Data Entry:

Users select the status of the data. ‘In Progress’ indicates that the data is not final yet, and they don’t have all info yet – so required field validations are not run against the saved data other than the main required fields to start a record.

Hospital users only have access to the ‘In Progress’ and ‘Submitted’ statuses.

CEDaR Administrators then review submitted data and set status to ‘Rejected’ with comments if data is missing, or ‘Approved’ if data is complete.

Input field validations at form submission AND data save:

System only allows the integer values below to stored.

Requirements:

Required for all statuses.

Field Values:

DATA VALUE	DESCRIPTION	DATA VALUE	DESCRIPTION
1	In Progress	2	Submitted
3	Rejected	4	Approved

Requirements:

Required in order to save for all data statuses.

REJECT COMMENTS**Field Name:** reject_comments

Type: Text

Field Width: Free Text

Null Values Accepted: N/A

Multiple Field Entry: N/A

Definition:

If CEDaR Administrator rejects data for more information from hospital user, reject comments are required to describe what is missing/needs clarification and are displayed to the hospital user when data is in reject status.

Requirements:

Required if Administrator is saving record in 'Rejected' status.

Field Values:

Free Text.

Id **Field Name: id**
Type: Integer

Definition:

Unique data record id, tracked/maintained by CEDaR application.

Instructions for Coding/Data Entry:

Not exposed for data entry modification

Field Values:

Integer, auto-incremented.

Patient Incident Id **Field Name: patientincident_id**
Type: Integer

Definition:

Not implemented yet, to use for permanent matching cases across CEDaR system

Instructions for Coding/Data Entry:

Not exposed for data entry modification

Field Values:

Link to patientincidents table

Created By ID **Field Name: createdby_id**
Type: Integer

Definition:

Id of the User that created the entry, tracked/maintained by CEDaR application..

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application.

Field Values:

Integer, auto-populated by application.

Created By ID**Field Name: createdby_id**
Type: Integer

Definition:

Id of the User that created the entry.

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application.

Field Values:

Integer, auto-populated by application.

Created Date**Field Name: created**
Type: datetime

Definition:

Date/Time the entry was created, tracked/maintained by CEDaR application.

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application.

Field Values:

Datetime, auto-populated by application.

Modified By ID**Field Name: lastmodifiedby_id**
Type: Integer

Definition:

Id of the User that created the entry, or last modified the entry, tracked/maintained by CEDaR application..

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application.

Field Values:

Integer, auto-populated by application.

Modified Date

Field Name: modified
Type: datetime

Definition:

Date/Time the entry was last modified, tracked/maintained by CEDaR application.

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application.

Field Values:

Datetime, auto-populated by application.

Approved By ID

Field Name: approvedby_id
Type: Integer

Definition:

Id of the User that approved the entry, tracked/maintained by CEDaR application..

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application. Saved when CEDaR administrator saves data as 'approved'.

Field Values:

Integer, auto-populated by application.

Approved Date

Field Name: dateapproved
Type: datetime

Definition:

Date/Time the entry was approved, tracked/maintained by CEDaR application.

Instructions for Coding/Data Entry:

Not exposed for data entry, tracked by application. Saved when CEDaR administrator saves data as 'approved'.

Field Values:

Datetime, auto-populated by application.

Data Status Notes

Field Name: datastatusnotes
Type: mediumtext

Definition:

Not currently implemented, intended to track internal notes on the record.

Instructions for Coding/Data Entry:

Not exposed for data entry.

Field Values:

Free text

Deprecated Values

CAC and EMS Match Number

Field Name: cac_ems_match_num

Type: String

Field Width: 10

Multiple Field Entry: No

Definition:

Number assigned as records are matched between CAC and EMS data

Could go away and just be foreign key CAC to EMS instead, update links based on this field then move to linked field cac_id on ems table.....

Data Manager Populated now. System populated in future.

RECORD NUMBER

Field Name: record_number

Type: String

Field Width: 6

Multiple Field Entry: No

Deprecated – used for record matching in old methods.

Definition:

The unique number assigned by the Arizona Cardiac Arrest Center (CAC) Database for each patient that a CAC Form was completed and submitted to the CAC Database Manager.

Instructions for Coding/Data Entry:

The Patient Care Report Number is provided by the EMS agency or may be electronically provided through the 911 or dispatch center.

Field Values:

A unique value; no variable list is possible.

App Security:

Available to SHARE administrator/managers, not external medical data entry entities.

CEDaR Cardiac Arrest Application Updates

Updates to the application that involve data dictionary changes for the Cardiac Arrest part of CEDaR are tracked here, and updated in the appropriate sections.

4/9/2015: 'Added Arrest Witnessed' and 'Arrest after EMS Arrival?' to the CEDaR Cardiac Arrest Data form to supplement witnessed data when CEDaR does not have a matching EMS record input.

5/1/2014: Added Survivor Email field; added option 'NV'/'No, Discharged with Life Vest' to the 'Did patient receive AICD on discharge?' field.

3/11/2014: Cardiac Arrest Form: added option 50=>' Other- Environmentally cooled' for TH Not Initiated, why.

2/27/2014: Cardiac Arrest Form: Added option 'No – Woke up' to Therapeutic Hypothermia Completed? Select List.

--Added Survivor Phone Number field.

2/21/2014: Cardiac Arrest Form: Validation change when saving as Submitted: if Outcome is lived, CPC cannot be 5; if Outcome is death, CPC must be 5.

9/13/2012: Release 2.1 done previous night.

Update included the following changes:

- Require & validate for Submitted Status: Temp; range 30 - 120 /ND/U (Later temp starting range was changed to 10 for Celsius temps)
- Require & validate for Submitted Status: SBP = range 0-400 / ND U
- Require & validate for Submitted Status: DBP = range 0-200 /ND/U
- Require & validate for Submitted Status: pulse = 0-130 /ND/U
- Require & validate for Submitted Status: initial Respiratory range = 0-100
- Require & validate for Submitted Status: no blank on respiratory method drop down allowed for submitted
- Add Value to 'Terminated Care - Reason' field: 'No Anticipated Response to Treatment Expected
- Put reminder below those 'Use 0 for values when you mean 0, use ND/U for Not Documented/Unknown.'
- Add field 'initial patient disposition' to right of initial arrival location with value options:: Alert, Unconscious/Unresponsive, Responsive - verbal, Responsive - physical, ND, U
- update text on 'Terminated Care' label to add: 'when you actively stop life support; not patient simply expired'
- Add option to "Organ(s) or Tissue harvested at facility?": 'No - but scheduled at another facility'
- Add 'Cath Lab' as an option for 'Where was TH Initiated'
- Pre-fill Target Temps and Target Rewarm Temps with 'NA' but require they be non-NA if TH was completed.

- Also fixed birth date/age - if they filled in age in months, it was still requiring a birthday/age in years.

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