A. Administrative

Field Name: **Software Vendor Name**   *SeqNo:* 10

Short Name: VendorID   *Core:* Yes

Format: Text length 8   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Name (assigned by STS) given to identify software vendor (up to 8 characters). Vendors should use standard name identification across sites. Changes to Vendor Name Identification must be approved by the STS.

Data Source: Automatic   *Default:* (assigned value)   *Missing Data:* Illegal

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (assigned value, automatically inserted by software)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added.

Field Name: **Software Version**   *SeqNo:* 20

Short Name: SoftVrsn   *Core:* Yes

Format: Text length 20   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Vendor's software product name and version number identifying the software which created this record. Vendor controls the value in this field. Version passing certification/harvest testing will be noted at warehouse.

Data Source: Automatic   *Default:* (assigned value)   *Missing Data:* Illegal

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (assigned value, automatically inserted by software)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Minor text change (remove "(assigned by vendor)" - More text added.

Field Name: **STS Data Version**   *SeqNo:* 30

Short Name: DataVrsn   *Core:* Yes

Format: Text length 8   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Version number of the STS Data Specifications/Dictionary, to which each record conforms. It will identify which fields should have data, and what are the valid data for each field. This must be entered into the record automatically by the software.

Data Source: Automatic   *Default:* (assigned value)   *Missing Data:* Illegal

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (assigned value, automatically inserted by software)

Harvest Coding: "2.52"

ChangesFrom241To25x: 1. Change HarvestCoding from "2.41" to "2.52"
2. Change Definition - Removed the sentence "It will likely be the version implemented in the software at the time the data was collected and the record was created": replace "This should be entered " with "This must be entered "

Field Name: **Participant ID**   *SeqNo:* 40

Short Name: ParticID			*Core:* Yes
Format: Text length 5			*Harvest:* Yes
Status: Changed		*ACCField:* Not mapped	

Definition: Participant ID is a unique number assigned to each database participant by the STS. A database participant is defined as one entity that signs a Participation Agreement with the STS, submits one data file to the harvest, and gets back one report on their data. The participant ID must be entered into each record.

Each participant's data if submitted to harvest must be in one data file. If one participant keeps their data in more than one file (e.g. at two sites), then the participant must combine them back into one file for harvest submission.

If two or more participants share a single purchased software, and enter cases into one database, then the data must be extracted into two different files, one for each participant ID, with each record having the correct participant ID number.

Data Source: Automatic or User	*Default:* (assigned value)	*Missing Data:* Illegal
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range: 10000 - 39999

Valid Data: (Unique value assigned by STS to the Participant's records. If multiple Participants are using the same software and database, then the Participant ID for each record should be that value linked to the Surgeon name for that record.)

Harvest Coding:

ChangesFrom241To25x: 1. Change UsualRange from "10000 - 99999" to "10000 - 39999"
2. Change DataSource from "Automatic or Lookup" to "Automatic or User"

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Field Name: **Record ID**		*SeqNo:* 50
Short Name: RecordID		*Core:* Yes
Format: Integer		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: An arbitrary, unique number that permanently identifies each record in the participant's database (note that unlike the PatID value, this does not identify the individual patient). Once assigned to a record, this number can never be changed or reused. The value by itself can be used to identify the record in the participant's database. When used in conjuction with the ParticID value, it can identify the record in the data warehouse database. The data warehouse will use this value to communicate issues about individual records with the participant. This value may also be used at the warehouse to link to other clinical data.

Data Source: Automatic	*Default:* (unique value)	*Missing Data:* Illegal
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: (unique permanent value for each record, generated automatically by software)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change Format from "Integer length 9" to "Integer"

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Field Name: **Cost Link**		*SeqNo:* 60
Short Name: CostLink		*Core:* Yes
Format: Text length 20		*Harvest:* Optional
Status: Changed	*ACCField:* Not mapped	

Definition: A participant specified alpha-numeric code that can be used to link this record's clinical data with the participant's cost information for this patient admission. This information may be used in the future to perform procedure cost analysis (for which the actual cost data would have to be harvested separately). The value in this field must not be the patient's Medical Record Number, Social Security Number or any other patient identifying value.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (free text)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **STS Trial Link Number**   *SeqNo:* 70

Short Name: STSTLink   *Core:* Yes

Format: Text length 5   *Harvest:* Optional

Status: Changed   *ACCField:* Not mapped

Definition: The unique identification number assigned by the STS indicating the clinical trial in which this patient is participating. This field should be left blank if the patient is not participating in a clinical trial associated with the STS.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (Unique value assigned by STS for a specific Clinical Trial).

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - entire definition text replaced.
2. Change UsualRange from "10000 - 99999" to blank.
3. Change MissingData from "(no action)" to "No Action".
4. Change DataSource from "Lookup" to "User"

Field Name: **Patient ID**   *SeqNo:* 80

Short Name: PatID   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: This is an arbitrary number (not a recognizable ID like SSN or Medical Record Number) that uniquely and permanently identifies each patient. Once assigned to a patient, this can never be changed or reused. If a patient is admitted to the hospital more than once, each record for that patient will have the same value in this field

Data Source: Automatic   *Default:* (unique value)   *Missing Data:* Illegal

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (unique arbitrary permanent value for each patient, generated automatically by software)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Remove the sentence "This field is only necessary if the software uses a separate patient table."; Add the sentence "If a patient is admitted to the hospital more than once, each record for that patient will have the same value in this field"
2. Change Format from "Integer length 9" to "Integer"
3. Change MissingData from "Illegal if field is present." to "Illegal".

Field Name: **Record Complete?**   *SeqNo:* 90

Short Name: RecComp   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Changed   *ACCField:* Not mapped

Definition: Indicates whether the record data is complete or not. This entry is made by the software data quality

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check process. This field does not impact a procedure's harvest status. It is intended as an internal quality control field for data managers at site.

Data Source: Calculated   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Add the sentence "It is intended as an internal quality control field for data managers at site."
2. Change ValidData from "Yes; No" to "(calculated)".
3. Change MissingData from "(no action)" to "No Action".

B. Demographics

Field Name: **Patient Last Name**   *SeqNo:* 100

Short Name: PatLName   *Core:* Yes

Format: Text length 25   *Harvest:* No

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Indicate the patient's last name

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (free text)

Harvest Coding:

ChangesFrom241To25x: 1. Change FieldName - remove erroneous "." that existed in the field name.
2. Change Definition - Change lead in.
3. Change MissingData from "Report" to "No Action".

Field Name: **Patient First Name**   *SeqNo:* 110

Short Name: PatFName   *Core:* Yes

Format: Text length 20   *Harvest:* No

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Indicate the patient's first name

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (free text)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Change lead in.
2. Change MissingData from "Report" to "No Action".

Field Name: **Patient M.I.**   *SeqNo:* 120

Short Name: PatMInit   *Core:* Yes

Format: Text length 1   *Harvest:* No

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Indicate the patient's middle initial

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: (free text)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Change lead in.
            2. Change MissingData from "(no action)" to "No Action".

Field Name: **Date of Birth**   *SeqNo:* 130

Short Name: DOB   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Optional

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Indicate the patient's date of birth using 4-digit format for year. Harvest is Optional due to a variety of confidentiality issues at facilities. Participant will choose whether Harvest=Yes or Harvest=No.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range: (Greater than 20 years
           before system date)

Valid Data: (Before system date)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
            2. Change MissingData from "Report" to "No Action".

Field Name: **Patient Age**   *SeqNo:* 140

Short Name: Age   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the patient's age in years, at time of surgery. This should be calculated from the date of birth and the date of surgery, according to the convention used in the USA (the number of birthdate anniversaries reached by the date of surgery). If age is less than 20, the data record will be accepted into the database, but will not be included in the national analysis and report.

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* Report & Warn

Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range: 18 - 100

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
            2. Change Format from "Integer length 3" to "Integer"
            3. Change UsualRange from blank to "18 - 100".

Field Name: **Gender**   *SeqNo:* 150

Short Name: Gender   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Indicate the patient's gender at birth as either male or female. Gender must be present for Risk Models to activate.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report & Warn

Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Male; Female

Harvest Coding: 1 = Male
                     2 = Female

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.

Field Name: **Social Security #**		*SeqNo:* 160
Short Name: SSN		*Core:* Yes
Format: Text length 11		*Harvest:* No
Status: Changed	*ACCField:* Mapped - Definition and coding	

Definition: Indicate the nine-digit patient's Social Security Number (SSN). Although this is the Social Security Number in the USA, other countries may have a different National Patient Identifier Number. For example in Canada, this would be the Social Insurance Number.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (valid format)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                     2. Change MissingData from "Report" to "No Action".

Field Name: **Medical Record Number**		*SeqNo:* 170
Short Name: MedRecN		*Core:* Yes
Format: Text length 11		*Harvest:* No
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate the patient's medical record number at the hospital where surgery occurred.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (free text)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                     2. Change MissingData from "Report" to "No Action".

Field Name: **Patient ZIP Code**		*SeqNo:* 180
Short Name: PatZIP		*Core:* Yes
Format: Text length 10		*Harvest:* Optional
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate the ZIP Code of the patient's residence. Outside the USA, this data may be known by other names such as Postal Code (needing 6 characters). Software should allow sites to collect up to 10 characters to allow for Zip+4 values. Harvest is Optional due to a variety of confidentiality issues at facilities. Participant will choose whether Harvest=Yes or Harvest=No.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (valid format)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
                     2. Change MissingData from "Report" to "No Action".

Field Name: **Race**	*SeqNo:* 190

Short Name: Race   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:*   Yes

Status: Changed   *ACCField:*   Mapped - Definition and coding

Definition: Indicate the patient's race as determined by the patient or family.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Caucasian; Black; Hispanic; Asian; Native American; Other

Harvest Coding: 1 = Caucasian
                        2 = Black
                        3 = Hispanic
                        4 = Asian
                        5 = Native American
                        777 = Other

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
                                 2. Change MissingData from "Report" to "No Action".

Field Name: **Referring Card-Cardiologist**   *SeqNo:* 200

Short Name: RefCard   *Core:*   Yes

Format: Text (categorical values specified by User)   *Harvest:* No

Status: Changed   *ACCField:*   Not mapped

Definition: Indicate the referring cardiologist's name.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (elements of user list)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Change lead in and capitalization.
                                 2. Change MissingData from "Report" to "No Action".

Field Name: **Referring Physician**   *SeqNo:* 210

Short Name: RefPhys   *Core:*   Yes

Format: Text (categorical values specified by User)   *Harvest:* No

Status: Changed   *ACCField:*   Not mapped

Definition: Indicate the referring physician's name.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (elements of user list)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Change lead in and capitalization.
                                 2. Change MissingData from "Report" to "No Action".

C. Hospitalization

Field Name: **Hospital Name** *SeqNo:* 220

Short Name: HospName *Core:* Yes

Format: Text (categorical values specified by User) length must be at least 100 but can be expanded to any length needed to hold full hospital name *Harvest:* Yes

Status: Changed *ACCField:* Mapped - Definition and coding

Definition: Indicate the full name of the facility where the procedure was performed. Values should be full, official hospital names with no abbreviations or variations in spelling for a single hospital. Values should also be in mixed-case.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:* *ParentValue:*

Usual Range:

Valid Data: (elements of user list) Not free text. User maintains list of valid values. New values are made available through a utility that is separate from entering data record.

Harvest Coding: (elements of user list) not free text

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
2. Change Format from "Text (categorical values specified by User) length be sufficient to hold full hospital name" to "Text (categorical values specified by User) length must be at least 100 but can be expanded to any length needed to hold full hospital name"
3. Change MissingData from "Report" to "No Action".

Field Name: **Hospital ZIP Code** *SeqNo:* 230

Short Name: HospZIP *Core:* Yes

Format: Text length 10 *Harvest:* Yes

Status: Changed *ACCField:* Not mapped

Definition: Indicate the ZIP Code of the hospital. Outside the USA, this data may be known by other names such as Postal Code.

Data Source: Lookup *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Hospital Name *ParentShortName:* HospName *ParentValue:* Is Not Missing

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Change ValidData from "(ZIP Code specified by user as linked 1:1 to Hospital Name)" to blank.
2. Change Defintion - Change lead in.
3. Change MissingData from "Report if parent is not null and child is null" to "No Action".

Field Name: **Hospital State** *SeqNo:* 240

Short Name: HospStat *Core:* Yes

Format: Text length 2 *Harvest:* Yes

Status: Changed *ACCField:* Not mapped

Definition: Indicate the state in which the hospital is located.

Data Source: Lookup *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Hospital Name *ParentShortName:* HospName *ParentValue:* Is Not Missing

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Change ValidData from "(State abbreviation specified by user as linked 1:1 to Hospital Name)" to blank.
2. Change Definition - Change lead in and capitalization.
3. Change MissingData from "Report if parent is not null and child is null" to "No Action".

Field Name: **Payor**   *SeqNo:* 250

Short Name: Payor   *Core:* Yes

Format: Text (categorical values specified by User)   *Harvest:* No

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the patient's primary insurance payor for this admission such as, but not limited to:
1. Government: Government insurance refers to patients who are covered by government-reimbursed care. In the U.S., this includes, Medicare, Medicaid, (including all state/federal Medicaid-type programs), TriCare and the Veteran's Administration health plan.
2. Commercial: Commercial refers to all indemnity (fee-for-service) carriers and Preferred Provider Organizations (PPOs) (e.g. Blue Cross/Blue Shield).
3. HMO: HMO refers to a Health Maintenance Organization characterized by coverage that provides health care services for members on a pre-paid basis.
4. None: None refers to individuals with no or limited health insurance; thus, the individual is the payor regardless of ability to pay. Only mark "None" when "self" or "none" is denoted as the first insurance in the medical record.
5. International patient: International patient refers to individuals who reside in and have a health insurance in another country and/or may be self pay.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (elements of user list)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "Report" to "No Action".

Field Name: **Date of Admission**   *SeqNo:* 260

Short Name: AdmitDt   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the Date of Admission. For those patients who originally enter the hospital in an out-patient capacity (i.e. catheterization), the admit date is the date the patient's status changes to in-patient.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: (Within 1 year before system date)

Valid Data: (Between DOB and system date)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
2. Change MissingData from "Report" to "No Action".

Field Name: **Date of Surgery**   *SeqNo:* 270

Short Name: SurgDt   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the date of surgery which equals the date the patient enters the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report & Warn

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: (Within 1 year before system date)

Valid Data: (Between Admission and system date)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.

Field Name: **Date of Discharge**   *SeqNo:* 280

Short Name: DischDt   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the date the patient was discharged from the hospital (acute care). If the patient died in the hospital, the discharge date is the date of death.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: (Within 1 year before system date)

Valid Data: (Between Surgery and system date)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "Report" to "No Action".

Field Name: **Same Day Elective Admit**   *SeqNo:* 290

Short Name: SameDay   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Patient admitted for scheduled elective procedure on same day as procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No
2. Change Harvest from Yes to No
3. Change MissingData from "Report" to "No Action"

Field Name: **ICU Visit**   *SeqNo:* 300

Short Name: ICUVisit   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient spent time in the ICU immediately following the initial surgery. Include post-anesthesia recovery and other similar critical care environments.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:
Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Initial ICU hours**   *SeqNo:* 310

Short Name: ICUInHrs   *Core:* Yes

Format: Real number 4.1 digits e.g. 9999.9   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the number of hours the patient was initially in the ICU immediately following the initial surgery. Include post-anesthesia recovery and other similar critical care environments.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: ICU Visit   *ParentShortName:* ICUVisit   *ParentValue:* = "Yes"

Usual Range: 1.0 - 100.0

Valid Data: 0.1 - 5000.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                     2. Change Format from "Integer length 4" to "Real number 4.1 digits e.g. 9999.9"
                     3. Change ParentField from blank to "ICU Visit"
                     4. Change ParentValue from blank to "="Yes""
                     5. Change ValidData from "1 - 5000" to "0.1 - 5000.0"
                     6. Change UsualRange from "1 - 100" to "1.0 - 100.0"
                     7. Change MissingData from "Report" to "No Action".

Field Name: **Readmission to ICU**   *SeqNo:* 320

Short Name: ICUReadm   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient spent time in an ICU after having been transferred to a step-down unit (lower level care). Specific situations are described below:
OR -> ICU -> OR -> ICU = No
OR -> ICU -> STEP DOWN -> ICU = Yes
OR -> STEP DOWN -> ICU = Yes

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                     2. Change MissingData from "Report" to "No Action".

Field Name: **Additional ICU Hours**   *SeqNo:* 330

Short Name: ICUAdHrs   *Core:* Yes

Format: Real number 4.1 digits e.g. 9999.9   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the number of additional hours spent in the Intensive Care Unit.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

---

Parent Field: Readmission to ICU   *ParentShortName:* ICUReadm   *ParentValue:* = "Yes"

Usual Range: 1.0 - 100.0

Valid Data: 0.1 - 5000.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 4" to "Real number 4.1 digits e.g. 9999.9"
2. Change ValidData from "1 - 5000" to "0.1 - 5000.0"
3. Change UsualRange from "1 - 100" to "1.0 - 100.0"
4. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Total Hrs ICU**   *SeqNo:* 340

Short Name: TotHrICU   *Core:* Yes

Format: Real number 5.1 digits e.g. 99999.9   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of hours post operation for which the patient was in the ICU. Leave blank if the patient expired in the OR during the initial surgery. Enter zero (0) if patient was never in post-anesthesia recovery or other similar critial care environment.

Data Source: User or Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: 1.0 - 100.0

Valid Data: 0.0 - 10000.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change Format from "Integer length 4" to "Real number 5.1 digits e.g. 99999.9"
3. Change ValidData from 1 - 9999 to 0.0 - 10000.0
4. Change UsualRange from 1 - 100 to 1.0 - 100.0.
5. Change MissingData from "Report" to "No Action".

D. Risk Factors

Field Name: **Weight (kg)**   *SeqNo:* 350

Short Name: WeightKg   *Core:* Yes

Format: Real number 3.2 digits e.g. 999.99   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the weight of the patient in kilograms.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: 40.0 - 136.0

Valid Data: 10.0 - 250.0

Harvest Coding:

ChangesFrom241To25x: 1. Change ValidData from "10 - 250" to "10.0 - 250.0"
2. Change UsualRange from "40 - 136" to "40.0 - 136.0"
3. Change MissingData from "Report" to "No Action".

Field Name: **Height (cm)**   *SeqNo:* 360

Short Name: HeightCm   *Core:* Yes

Format: Real number 3.2 digits e.g. 999.99   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the height of the patient in centimeters.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field:		*ParentShortName:*	*ParentValue:*

Usual Range: 122.0 - 213.0

Valid Data: 20.0 - 251.0

Harvest Coding:

ChangesFrom241To25x: 1. Change ValidData from "20 - 251" to "20.0 - 251.0"
2. Change UsualRange from "112 - 213" to "112.0 - 213.0"
3. Change MissingData from "Report" to "No Action".

Field Name: **RF-Smoker**   *SeqNo:* 370

Short Name: Smoker   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has history confirming any form of tobacco use in the past (cigarettes, cigar, tobacco chew, etc.).

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
2. Change MissingData from "Report" to "No Action".

Field Name: **RF-Smoker-Current**   *SeqNo:* 380

Short Name: SmokCurr   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient is a current smoker. Patients with a use of tobacco (cigarettes, cigar, tobacco chew etc.) within one month of surgery are considered to be current smokers.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: RF-Smoker   *ParentShortName:* Smoker   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition. Change lead in.
2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **RF-Family History CAD**   *SeqNo:* 390

Short Name: FHCAD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate if the patient has/had any direct blood relatives (parents, siblings, children) who have had any of the following DIAGNOSED at age <55:
  1. Coronary Artery Disease (angina, previous CABG or PCI)
  2. MI
  3. Sudden cardiac death without obvious cause.
If the patient is adopted, or the family history is unavailable, code "No".

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

---

Parent Field: *ParentShortName:* *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
       2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced
         2. Change MissingData from "Report" to "No Action".

- -

Field Name: **RF-Diabetes**   *SeqNo:* 400

Short Name: Diabetes   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient has a history of diabetes, regardless of duration of disease or need for anti-diabetic agents. Includes on admission or preoperative diagnosis. Does not include gestational diabetes.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
       2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
         2. Change MissingData from "Report" to "No Action".

- -

Field Name: **RF-Diabetes-Control**   *SeqNo:* 410

Short Name: DiabCtrl   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the method of diabetic control. Code the control method patient presented with on admission. Patients placed on a pre-operative diabetic pathway of Insulin drip but at admission were controlled with NONE, diet or oral method are not coded as insulin dependent. Choices are:
None = No treatment for diabetes.
Diet = Diet treatment only.
Oral = Oral agent treatment.
Insulin = Insulin treatment (includes any combination with insulin).

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: RF-Diabetes   *ParentShortName:* Diabetes *ParentValue:* = "Yes"

Usual Range:

Valid Data: None; Diet; Oral; Insulin

Harvest Coding: 1 = None
       2 = Diet
       3 = Oral
       4 = Insulin

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
         2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

- -

Field Name: **RF-Dyslipidemia**   *SeqNo:* 420

Short Name: Hyprchol   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate if the patient has a prior history of dyslipidemia diagnosed
and/or treated by a physician. Criteria can include documentation of:
    1 Total cholesterol greater than 200 mg/dl, or
    2. LDL greater than or equal to 130 mg/dl, or
    3. HDL less than 30 mg/dl, or
    4. Admission cholesterol greater than 200 mg/dl, or
    5. Triglycerides greater than 150 mg/dl.

Note: If treatment was initiated because the LDL was >100 mg/dl (2.59 mmole/l) in patients with known coronary artery disease, this would quantify as a "Yes". Any pharmacological treatment qualifies as a "Yes".

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change FieldName from "RF-Hyperchol" to "RF-Dyslipidemia". (NOTE, only the FieldName changes, not the ShortName).
2. Change Definition - Entire definition text replaced.
3. Change MissingData from "Report" to "No Action".

Field Name: **RF-Last Creat Lvl**   *SeqNo:* 430

Short Name: CreatLst   *Core:* Yes

Format: Real number 2.1 digits e.g. 99.9   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the most recent creatinine level prior to surgery. A creatinine level should be collected on all patients for consistency, even if they have no prior history. A creatinine value is a high predictor of a patient's outcome and is used in the predicted risk models.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: 0.1 - 9.0

Valid Data: 0.1 - 30.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change ValidData from "0.1 - 30" to "0.1 - 30.0"
3. Change UsualRange from "0.1 - 9" to "0.1 - 9.0"
4. Change MissingData from "Report" to "No Action".

Field Name: **RF-Renal Fail**   *SeqNo:* 440

Short Name: RenFail   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient has 1) a documented history of renal failure and/or 2) a history of creatinine > 2.0. Prior renal transplant patients are not included as pre-op renal failure unless since transplantation their creatinine has been or currently is > 2.0.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes

    2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
        2. Change MissingData from "Report" to "No Action".

Field Name: **RF-Renal Fail-Dialysis**   *SeqNo:* 450

Short Name: Dialysis   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient is currently undergoing dialysis.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: RF-Renal Fail   *ParentShortName:* RenFail *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
        2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
        2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **RF-Hypertension**   *SeqNo:* 460

Short Name: Hypertn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient has a diagnosis of hypertension, documented by one of the following:
    a. Documented history of hypertension diagnosed and treated with medication, diet and/or exercise.
    b. Blood pressure >140 systolic or >90 diastolic on at least 2 occasions.
    c. Currently on antihypertensive medication.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
        2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
        2. Change MissingData from "Report" to "No Action".

Field Name: **RF-CVA**   *SeqNo:* 470

Short Name: CVA   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has a central neurologic deficit persisting more than 72 hours. (i.e. extremity weakness or loss of motion, loss of consciousness, loss of speech, field cuts).

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
        2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
        2. Change MissingData from "Report" to "No Action".

Field Name: **RF-CVA-When**   *SeqNo:* 480

Short Name: CVAWhen   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: RF-CVA   *ParentShortName:* CVA   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Recent (<=2 wk.); Remote (>2 wk.)

Harvest Coding: 1 = Recent (<=2 wk.)
                      2 = Remote (>2 wk.)

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                         2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **RF-Infect Endocard**   *SeqNo:* 490

Short Name: InfEndo   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has a history of infectious endocarditis documented by one of the following:
1. positive blood cultures
2. vegetation on echocardiography
3. documented history of infectious endocarditis

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                         2. Change MissingData from "Report" to "No Action".

Field Name: **RF-Infect Endocard Type**   *SeqNo:* 500

Short Name: InfEndTy   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the type of endocarditis the patient has. If the patient is currently being treated for endocarditis, the disease is considered active. If no antibiotic medication (other than prophylactic medication) is being given at the time of surgery, then the infection is considered treated.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: RF-Infect Endocard   *ParentShortName:* InfEndo   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Treated; Active

Harvest Coding: 1 = Treated
                      2 = Active

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                         2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **RF-Chronic Lung Dis**   *SeqNo:* 510

Short Name: ChrLungD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has chronic lung disease, and the severity level according to the following classification:
No;
Mild: FEV1 60% to 75% of predicted, and/or on chronic inhaled or oral bronchodilator therapy.
Moderate: FEV1 50% to 59% of predicted, and/or on chronic steroid therapy aimed at lung disease.
Severe: FEV1 <50% predicted, and/or Room Air pO2 < 60 or Room Air pCO2 > 50.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: No; Mild; Moderate; Severe

Harvest Coding: 1 = No
                      2 = Mild
                      3 = Moderate
                      4 = Severe

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                           2. Change MissingData from "Report" to "No Action".

- -

Field Name: **RF-Immunosuppressive Rx**   *SeqNo:* 520

Short Name: ImmSupp   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has used any form of immunosuppressive therapy (i.e. systemic steroid therapy) within 30 days preceding the operative procedure. This does not include topical applications and inhalers or one time systemic therapy.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
                           2. Change MissingData from "Report" to "No Action".

- -

Field Name: **RF-Periph Vasc Dis**   *SeqNo:* 530

Short Name: PVD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient has Peripheral Vascular Disease, as indicated by claudication either with exertion or rest; amputation for arterial insufficiency; aorto-iliac occlusive disease reconstruction; peripheral vascular bypass surgery, angioplasty, or stent; documented AAA, AAA repair, or stent; positive non-invasive testing documented. Does not include procedures such as vein stripping, carotid disease, or procedures originating above the diaphragm .

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (Change start of definition from "Whether " to "Indicate whether "; Remove "Choose one of the following: Yes, No"; Add to the end of the definition "Does not include procedures such as vein stripping, carotid disease, or procedures originating above the diaphragm.")
2. Change MissingData from "Report" to "No Action".

Field Name: **RF-Cerebrovascular Dis**   *SeqNo:* 540

Short Name: CVD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient has Cerebro-Vascular Disease, documented by any one of the following: Unresponsive coma > 24 hrs; CVA (symptoms > 72 hrs after onset); RIND (recovery within 72 hrs); TIA (recovery within 24 hrs); Non-invasive carotid test with > 75% occlusion.; or Prior carotid surgery. Does not include neurological disease processes such as metabolic and/or anoxic ischemic encephalopathy.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text changes (Change start of definition from "Whether " to "Indicate whether "; Remove from definition "Choose one of the following: Yes, No"; Add to end of definition "Does not include neurological disease processes such as metabolic and/or anoxic ischemic encephalopathy.")
2. Change MissingData from "Report" to "No Action".

Field Name: **RF-Cerebrovascular Dis Type**   *SeqNo:* 550

Short Name: CVDType   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has a history of cerebrovascular disease, documented by any one of the following:
1. Unresponsive Coma greater than 24 hours: Patient experienced complete mental unresponsiveness and no evidence of psychological or physiologically appropriate responses to stimulation.
2. Cerebrovascular Accident (CVA): Patient has a history of stroke, i.e., loss of neurological function with residual symptoms at least 72 hours after onset.
3. Reversible Ischemic Neurologic Deficit (RIND): Patient has a history of loss of neurological function with symptoms at least 24 hours after onset but with complete return of function within 72 hours.
4. Transient Ischemic Attack (TIA): Patient has a history of loss of neurological function that was abrupt in onset but with complete return of function within 24 hours.
5. Non-invasive/invasive carotid test with greater than 75% occlusion.
6. Previous carotid artery surgery.

If more than one, select the most recent to the operative procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: RF-Cerebrovascular Dis   *ParentShortName:* CVD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Coma; CVA; RIND; TIA; NonInvas >75%; Prior Carotid Surgery

Harvest Coding: 1 = Coma

        2 = CVA
        3 = RIND
        4 = TIA
        5 = NonInvas >75%
        6 = Prior Carotid Surgery

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

E. Previous CV Interventions

Field Name: **Incidence**   *SeqNo:* 560

Short Name: Incidenc   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if this is the patient's:
        -first cardiovascular surgery
        -first re-op cardiovascular surgery
        -second re-op cardiovascular surgery
        -third re-op cardiovascular surgery
        -fourth or more re-op cardiovascular surgery.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: First cardiovascular surgery; First re-op cardiovascular surgery; Second re-op cardiovascular surgery; Third re-op cardiovascular surgery; Fourth or more re-op cardiovascular surgery;

Harvest Coding: 1 = First cardiovascular surgery
              2 = First re-op cardiovascular surgery
              3 = Second re-op cardiovascular surgery
              4 = Third re-op cardiovascular surgery
              5 = Fourth or more re-op cardiovascular surgery

ChangesFrom241To25x: 1. Add new field (This field follows the format of an older "extended" field but is not identical).

Field Name: **Prev CV Intervent**   *SeqNo:* 570

Short Name: PrCVInt   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has undergone any previous cardiovascular intervention, either surgical or non-surgical, which may include those done during the current admission.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
              2 = No

ChangesFrom241To25x: 1. Change Definition - Remove sentence "This includes thrombolytic therapy for cardiac indications." and change lead in.
                2. Change MissingData from "Report" to "No Action".

Field Name: **Prior Card Op Req Bypass-#**   *SeqNo:* 580

Short Name: PrCBNum   *Core:* No

Format: Integer length 1   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Prior to this operation, how many cardiac surgical operations were performed on this patient utilizing cardiopulmonary bypass.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 9

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
                            2. Change Harvest from Yes to No.
                            3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

- -

Field Name: **Prior Card Op No Bypass-#**   *SeqNo:* 590

Short Name: PrCNNum   *Core:* No

Format: Integer length 1   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Prior to this operation, how many cardiac surgical operations were performed on this patient without cardiopulmonary bypass.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 9

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
                            2. Change Harvest from Yes to No.
                            3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

- -

Field Name: **Prev CAB**   *SeqNo:* 600

Short Name: PrCAB   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient had a previous Coronary Bypass Graft prior to the current admission.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:* PrCVInt   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                            2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

- -

Field Name: **Prev Valve**   *SeqNo:* 610

Short Name: PrValve   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient had a previous surgical replacement and/or surgical repair of a cardiac valve.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:* PrCVInt   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                    2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                                    2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Prev Oth Card**   *SeqNo:* 620

Short Name: PrOthCar   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether patient had a previous intrapericardial or great vessel procedure performed. Great vessels = aorta, superior inferior vena cava, pulmonary arteries and veins.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:* PrCVInt   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                    2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                                    2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Prev Oth Card-AICD**   *SeqNo:* 630

Short Name: PrOCAICD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient had a previous implant of an Automatic Implantable Cardioverter/Defibrillator.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:* PrCVInt   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                    2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: field was an extended field in v2.35).

Field Name: **Prev Oth Card-Pacemaker**   *SeqNo:* 640

Short Name: PrOCPace   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether a previous permanent pacemaker was placed anytime prior to this surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:* PrCVInt   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes

2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: field was an extended field in v2.35).

Field Name: **Prev Oth Card-Pacemaker-Type**   *SeqNo:* 650

Short Name: POCPaceT   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the previous permanent pacemaker was univentricular or biventricular.

Univentricular: the right ventricle is paced, as opposed to the right and left ventricle being paced.
Right atria only paced = single chamber pacing
Right ventricle only paced = single chamber pacing
Right ventricle and right atria paced = dual chamber pacing

Biventricular: both the right and left ventricles are paced = Cardiac Resynchronization Therapy (CRT)

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev Oth Card-Pacemaker   *ParentShortName:* PrOCPace   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Biventricular; Univentricular

Harvest Coding: 1 = Biventricular
                      2 = Univentricular

ChangesFrom241To25x: 1. Add new field.

Field Name: **Prev Oth Card-PCI**   *SeqNo:* 660

Short Name: POCPCI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether a previous Percutaneous Cardiac Intervention (PCI) was performed any time prior to this surgical procedure. PCI refers to those treatment procedures that unblock narrowed coronary arteries without performing surgery. PCI may include, but is not limited to:

1. Balloon Catheter Angioplasty, Percutaneous Transluminal Coronary Angioplasty (PTCA)
2. Rotational Atherectomy
3. Directional Atherectomy
4. Extraction Atherectomy
5. Laser Atherectomy
6. Intracoronary Stent Placement

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:* PrCVInt   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Prev Oth Card-PCI-Interval**   *SeqNo:* 670

Short Name: POCPCIIn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the interval of time between the previous PCI and the current surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev Oth Card-PCI   *ParentShortName:* POCPCI   *ParentValue:* = "Yes"

Usual Range:

Valid Data: <=6 Hours; >6 Hours

Harvest Coding: 1 = <= 6 Hours
                      2 = > 6 Hours

ChangesFrom241To25x: 1. Add new field.

Field Name: **PTCA/Ather**   *SeqNo:* 680

Short Name: PrPTCA   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Was Percutaneous Transluminal Coronary Angioplasty and/or Coronary Atherectomy done at any time prior to this surgical procedure (which may include during the current admission).

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                           2. Change Harvest from Yes to No.
                           3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **PTCA/Ather Intvl-(PTCA-Surg)**   *SeqNo:* 690

Short Name: PrPTIntv   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: The time between PTCA/Atherectomy and surgical repair of coronary occlusion:
                      <= 6 hours
                      > 6 hours

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: PTCA/Ather   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: <=6 Hrs; >6 Hrs

Harvest Coding: 1 = <=6 Hrs
                      2 = >6 Hrs

ChangesFrom241To25x: 1. Change Core from Yes to No.
                           2. Change Harvest from Yes to No.
                           3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Prev Non Surg-Stent**   *SeqNo:* 700

Short Name: PrNSStnt   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Did the patient previously have insertion of an intra-coronary stent at any time prior to this surgical procedure (which may include during the current admission)?

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                         2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                                     2. Change Harvest from Yes to No.
                                     3. Change MissingData from "(no action)" to "No Action"

Field Name: **Stent Intvl**   *SeqNo:* 710

Short Name: StntIntv   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:*   Not mapped

Definition: The time between Stent and surgical repair of coronary occlusion:
           <=6 hours
           >6 Hours.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev Non Surg-Stent   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: <=6 Hrs; >6 Hrs

Harvest Coding: 1 = <=6 Hrs
                         2 = >6 Hrs

ChangesFrom241To25x: 1. Change Core from Yes to No.
                                     2. Change Harvest from Yes to No.
                                     3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Thrombolysis**   *SeqNo:* 720

Short Name: Thrmblys   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:*   Not mapped

Definition: Was Thrombolytic treatment given for cardiac indications at any time prior to this surgical procedure, which may include during the current admission?

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                         2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                                     2. Change Harvest from Yes to No.
                                     3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Thrombolysis-Intvl**   *SeqNo:* 730

Short Name: ThrIntvl   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:*   Not mapped

Definition: The time between thrombolysis treatment and surgical repair of coronary occlusion:
           <= 6 hours
           > 6 hours.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Thrombolysis   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: <=6 Hrs; >6 Hrs

Harvest Coding: 1 = <=6 Hrs
                      2 = >6 Hrs

ChangesFrom241To25x: 1. Change Core from Yes to No.
                         2. Change Harvest from Yes to No.
                         3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Prev Non Surg-Balloon Valv**   *SeqNo:* 740

Short Name: PrNSBall   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Was a previous Non surgical Balloon Valvuloplasty performed.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Prev CV Intervent   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                         2. Change Harvest from Yes to No.
                         3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

```
                         F. Preoperative Cardiac Status
```

Field Name: **MI**   *SeqNo:* 750

Short Name: MI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has a history of an MI.

For MI occurrence prior to current hospitalization, one of the following is necessary:

  1. MI documented in the medical record.
     OR
  2. EKG Documented Q wave. Q waves to be 0.03 seconds in width and/or > or = one third
    of the total QRS complex in two or more contiguous leads.

For MI occurrence during current hospitalization, two of the following three criteria are necessary:

  1. Ischemic symptoms in the presence or absence of chest discomfort.
   Ischemic symptoms may include:
     a) chest, epigastric, arm, wrist or jaw discomfort with exertion or at rest;
     b) unexplained nausea and vomiting;
     c) persistent shortness of breath secondary to left ventricular failure;
     d) unexplained weakness, dizziness, lightheadedness, diaphoresis or syncope.

  2. Enzyme level elevation. One of the following four are necessary:
     a) CK-MB:
      -Maximal value of CK-MB > 2 x the upper limit of normal on one occasion during
       the first hours after the index clinical event
        OR
      -Maximal value of CK-MB, preferable CK-MB mass, > upper limit of normal on two
       successive samples;
     b) CK > 2x the upper limit of normal;
     c) LDH subtype 1 > LDH subtype 2;
     d) Maximal concentration of troponin T or I > the MI decision limit on at least
      one occasion during the first 24 hours after the index clinical event.

  3. Serial ECG (at least two) showing changes from baseline or serially in ST-T.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
            2 = No

ChangesFrom241To25x: 1. Change Definition - Entire defintion text replaced.
               2. Change MissingData from "Report" to "No Action".

- -

Field Name: **MI-When**   *SeqNo:* 760

Short Name: MIWhen   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the time period between the last documented myocardial infarction and surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: MI   *ParentShortName:* MI   *ParentValue:* = "Yes"

Usual Range:

Valid Data: <=6 Hrs; >6 Hrs but <24 Hrs; 1 to 7 Days; 8 to 21 Days; >21 Days

Harvest Coding: 1 = <=6 Hrs
        2 = >6 Hrs but <24 Hrs
        3 = 1 to 7 Days
        4 = 8 to 21 Days
        5 = >21 Days

ChangesFrom241To25x: 1. Change Definition - Change lead in.
        2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**Congestive Heart Failure**	*SeqNo:* 770

Short Name: CHF   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether, within 2 weeks prior to the initial surgical procedure, a
physician has diagnosed that the patient is currently in congestive
heart failure (CHF). CHF can be diagnosed based on careful history
and physical exam, or by one of the following criteria:
1. Paroxysmal nocturnal dyspnea (PND)
2. Dyspnea on exertion (DOE) due to heart failure
3. Chest X-Ray (CXR) showing pulmonary congestion
4. Pedal edema or dyspnea and receiving diuretics or digoxin

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
        2 = No

ChangesFrom241To25x: 1. Change Definition - Entire defininition text replaced.
        2. Change MissingData from "Report" to "No Action".

Field Name:	**Angina**	*SeqNo:* 780

Short Name: Angina   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient has ever had angina pectoris.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
        2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
        2. Change MissingData from "Report" to "No Action".

Field Name:	**Angina-Type**	*SeqNo:* 790

Short Name: AngType   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the type of angina present prior to this surgical intervention.

Stable = Angina that is controlled by oral and/or transcutaneous medication . Patients that are pain free with or without medication but with a history of angina are captured here.

Unstable = Angina which necessitates the initiation, continuation or increase of angina control therapies that may include: nitroglycerin drip, heparin drip, or IABP placement. The type of angina may include, but is not limited to: rest angina, new onset exertional angina of at least New York Heart Association (NYHA) Class III in severity, recent acceleration in pattern and increase of one NYHA class to at least NYHA Class III, variant angina, non-Q wave myocardial infarction, or post-infarction angina.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Angina   *ParentShortName:* Angina   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Stable; Unstable

Harvest Coding: 1 = Stable
                      2 = Unstable

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                         2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**Angina Unstable Type**	*SeqNo:* 800

Short Name: AngUnstT   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: If the patient has Unstable Angina, which presentation?
    * Rest Angina.
    * New onset exertional angina of at least Canadian Cardiovascular Society Class (CCSC) III in severity.
    * Recent acceleration in pattern and increase of one CCSC class to at least CCSC Class III.
    * Variant angina.
    * Non-Q wave Myocardial Infarction.
    * Post-infarction angina.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Angina-Type   *ParentShortName:*   *ParentValue:* = "Unstable"

Usual Range:

Valid Data: Rest Angina; New Class 3; Recent Accel; Variant Angina; Non-Q MI; Post-Infarct Angina

Harvest Coding: 1 = Rest Angina
                      2 = New Class 3
                      3 = Recent Accel
                      4 = Variant Angina
                      5 = Non-Q MI
                      6 = Post-Infarct Angina

ChangesFrom241To25x: 1. Change Core from Yes to No.
                         2. Change Harvest from Yes to No.
                         3. Change MissingData from "Report if parent is Unstable and child is null" to "No Action"

Field Name:	**Cardiogenic Shock**	*SeqNo:* 810

Short Name: CarShock   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient was, at the time of procedure, in a clinical state of hypoperfusion according to either of the following criteria:
    1. Systolic BP < 80 and/or Cardiac Index < 1.8 despite maximal treatment;
    2. IV inotropes and/or IABP necessary to maintain Systolic BP > 80 and/or CI > 1.8.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                       2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in; Remove sentence "Choose Yes or No".
                             2. Change MissingData from "Report" to "No Action".

Field Name: **Cardiogenic Shock Type**   *SeqNo:* 820

Short Name: CarShTyp   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate which of the following types of cardiogenic shock is present? Select one:
Refractory Shock: Systolic BP < 80 and/or Cardiac Index < 1.8 despite maximal treatment
Hemodynamic Instability: IV inotropes and/or IABP necessary to maintain Systolic BP > 80 and CI > 1.8.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Cardiogenic Shock   *ParentShortName:* CarShock   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Refractory Shock; Hemodynamic Instability

Harvest Coding: 1 = Refractory Shock
                       2 = Hemodynamic Instability

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                             2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Resuscitation**   *SeqNo:* 830

Short Name: Resusc   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient required cardiopulmonary resuscitation within one hour before the start of the operative procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                       2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                             2. Change MissingData from "Report" to "No Action".

Field Name: **Arrhythmia**   *SeqNo:* 840

Short Name: Arrhyth   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether there is a history of preoperative arrhythmia (sustained ventricular tachycardia, ventricular fibrillation, atrial fibrillation, atrial flutter, third degree heart block) that has been clinically documented or treated with any of the following treatment modalities:
1. ablation therapy

    2. AICD
    3. pacemaker
    4. pharmachological treatment
    5. electrocardioversion

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                           2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                             2. Change MissingData from "Report" to "No Action".

Field Name: **Arrhythmia Type**   *SeqNo:* 850

Short Name: ArrhyTyp   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate which arrhythmia is present within two weeks of the procedure; choose one:
    Sustained Ventricular Tachycardia or Ventricular Fibrillation requiring cardioversion and/or IV
    amiodarone
    Third degree heart block
    Atrial fibrillation/flutter requiring Rx
    None

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Arrhythmia   *ParentShortName:* Arrhyth   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Sust VT/VF; Heart Block; AFib/Flutter; None

Harvest Coding: 1 = Sust VT/VF
                           2 = Heart Block
                           3 = AFib/Flutter
                           9 = None

ChangesFrom241To25x: 1. Change Definition - Change lead in; Add "None" as an option
                             2. Change MissingData from "Report if parent is yes and child is null" to "No Action".
                             3. Change ValidData - Add "None" as an option.
                             4. Change HarvestCoding - Add "9 = None" as an option.

Field Name: **Classification-CCS**   *SeqNo:* 860

Short Name: ClassCCS   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Canadian Cardiovascular Society Classification. This classification represents level of functional
    status related to frequency and intensity of angina. The CCS may not be the same as the NYHA
    classification for same evaluation time period. Code the highest class leading to episode of
    hospitalization and/or intervention:
    0 = No angina.
    I = Ordinary physical activity, such as walking or climbing the stairs does not cause angina. Angina
    may occur with strenuous, rapid or prolonged exertion at work or recreation.
    II = There is slight limitation of ordinary activity. Angina may occur with moderate activity such as
    walking or climbing stairs rapidly, walking uphill, walking or stair climbing after meals or in the cold,
    in the wind, or under emotional stress, or walking more than two blocks on the level, and climbing
    more than one flight of stairs at normal pace under normal conditions.
    III = There is marked limitation of ordinary physical activity. Angina may occur after walking one or

two blocks on the level or climbing one flight of stairs under normal conditions at a normal pace.
IV = There is inability to carry on any physical activity without discomfort; angina may be present at rest.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: 0; I; II; III; IV

Harvest Coding: 1 = 0
                      2 = I
                      3 = II
                      4 = III
                      5 = IV

ChangesFrom241To25x: 1. Change Core from Yes to No.
                          2. Change Harvest from Yes to No.
                          3. Change MissingData from "Report" to "No Action"

Field Name: **Classification-NYHA**   *SeqNo:* 870

Short Name: ClassNYH   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the New York Heart Association Class. NYHA classification represents the overall functional status of the patient in relationship to both congestive heart failure and angina. Code the highest class leading to episode of hospitalization and/or procedure.
Class I = Patients with cardiac disease but without resulting limitation of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, dyspnea, or anginal pain.
Class II = Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitations, dyspnea, or anginal pain.
Class III = Patients with cardiac disease resulting in marked limitation of physical activity. They are comfortable at rest. Less than ordinary physical activity results in fatigue, palpitations, dyspnea, or anginal pain.
Class IV = Patients with cardiac disease resulting in inability to carry on any physical activity without discomfort. Symptoms of cardiac insufficiency or of the anginal syndrome may be present even at rest. If any physical activity is undertaken, discomfort is increased.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Class I; Class II; Class III; Class IV

Harvest Coding: 1 = Class I
                      2 = Class II
                      3 = Class III
                      4 = Class IV

ChangesFrom241To25x: 1. Change Definition - (Change lead in; change "Code the highest level.." to "Code the highest class.."; Add the word "Class" to each of the options. Remove sentence "The NYHA may not be the same as the CCS classification for the same evaluation period. ")
                          2. Change ValidData - Add the word "Class" to each of the four options.
                          3. Change HarvestCoding - Add the word "Class" to each of the options.
                          4. Change MissingData from "Report" to "No Action".

G. Preoperative Medications

Field Name: **Meds-Digitalis**   *SeqNo:* 880

Short Name: MedDig   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Has the patient received Digitalis within 24 hours preceding surgery?

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                   2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                        2. Change Harvest from Yes to No.
                        3. Change MissingData from "Report" to "No Action"

Field Name: **Meds-Beta Blockers**   *SeqNo:* 890

Short Name: MedBeta   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient received Beta Blockers within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                   2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                        2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-ACE Inhibitors**   *SeqNo:* 900

Short Name: MedACEI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient received ACE-inhibitors within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                   2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                        2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-Nitrates-I.V.**   *SeqNo:* 910

Short Name: MedNitIV   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

---

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient received I.V. Nitrates within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                    2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-Antiplatelets**   *SeqNo:* 920

Short Name: MedAPlt   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Has the patient received any other Anti-platelets within 24 hours preceding surgery?

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                    2. Change Harvest from Yes to No.
                    3. Change MissingData from "Report" to "No Action"

Field Name: **Meds-Anticoagulants**   *SeqNo:* 930

Short Name: MedACoag   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient received IV and/or subQ Anticoagulants within 48 hours preceding surgery. Do not capture Coumadin here.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Remove "(incl. llA, lllB inhibitors)" from text and change lead in.
                    2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-Anticoagulants-Medication Name**   *SeqNo:* 940

Short Name: MedACMN   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the name of the IV and/or subQ anticoagulant the patient received within 48 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Meds-Anticoagulants   *ParentShortName:* MedACoag   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Heparin (Unfractionated); Heparin (Low Molecular); Thrombin Inhibitors

Harvest Coding: 1 = Heparin (Unfractionated)
2 = Heparin (Low Molecular)
3 = Thrombin Inhibitors

ChangesFrom241To25x: 1. Add new field.

Field Name: **Meds-Coumadin**   *SeqNo:* 950

Short Name: MedCoum   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient recevied Coumadin within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Meds-Diuretics**   *SeqNo:* 960

Short Name: MedDiur   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Has the patient received Diuretics within 24 hours preceding surgery?

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report" to "No Action"

Field Name: **Meds-Inotropes**   *SeqNo:* 970

Short Name: MedInotr   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient received IV Inotropic Agents within 48 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text changes (add "IV"; fix spelling from "Inotrpic" to

"Inotropic"; change lead in).
2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-Steroids**   *SeqNo:* 980

Short Name: MedSter   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient was taking steroids within 24 hours of surgery. This does not include a one time dose related to prophylaxis therapy (i.e. IV dye exposure for cath procedure or surgery pre-induction period). Non-systemic medications are not included in this category (i.e. nasal sprays, topical creams)

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Entire defintion text replaced.
                         2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-Aspirin**   *SeqNo:* 990

Short Name: MedASA   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient received Aspirin or Ecotrin within 5 days preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (change "Aspirin" to "Asprin or Ecotrin"; change lead in).
                         2. Change MissingData from "Report" to "No Action".

Field Name: **Meds-Lipid Lowering**   *SeqNo:* 1000

Short Name: MedLipid   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient received Lipid Lowering medication within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Meds-Lipid Lowering-Medication Name**   *SeqNo:* 1010

Short Name: MedLipMN   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:*   Not mapped

Definition: Indicate the type of Lipid Lowering medication the patient received within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Meds-Lipid Lowering   *ParentShortName:* MedLipid   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Statin; Non statin

Harvest Coding: 1 = Statin
                         2 = Non statin

ChangesFrom241To25x: 1. Add new field.

Field Name: **Meds-ADP Inhibitors**   *SeqNo:* 1020

Short Name: MedADPI   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:*   Not mapped

Definition: Indicate whether the patient has received ADP Inhibitors within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                         2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Meds-Glycoprotein IIbIIIa Inhibitor**   *SeqNo:* 1030

Short Name: MedGP   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:*   Not mapped

Definition: Indicate whether the patient received Glycoprotein IIb/IIIa inhibitors within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                         2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Meds-Glycoprotein IIbIIIa Inhibitor-Medication Name**   *SeqNo:* 1040

Short Name: MedGPMN   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:*   Not mapped

Definition: Indicate the name of the Glycoprotein IIb/IIIa Inhibitor the patient received within 24 hours preceding surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

---

Parent Field:	Meds-Glycoprotein IIbIIIa Inhibitor	*ParentShortName:* MedGP	*ParentValue:* = "Yes"

Usual Range:

Valid Data: Abciximab (ReoPro); Eptifibatied (Integrilin); Tirofiban (Aggrastat)

Harvest Coding: 1 = Abciximab (ReoPro)
           2 = Eptifibatied (Integrilin)
           3 = Tirofiban (Aggrastat)

ChangesFrom241To25x: 1. Add new field.

H. Hemodynamics & Cath

Field Name: **Num Dis Vessels**		*SeqNo:* 1050
Short Name: NumDisV		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate the number of major native coronary vessel systems (LAD system, Circumflex system, and/or Right system) with >= 50% narrowing in any angiographic view. NOTE: Left main disease (>=50%) is counted as TWO vessels (LAD and Circumflex). For example, left main and RCA would count as three total. Select from the following:
None (no significant coronary obstructive disease)
One
Two
Three

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: None; One; Two; Three

Harvest Coding: 1 = None
           2 = One
           3 = Two
           4 = Three

ChangesFrom241To25x: 1. Change Definition - Minor text changes (add the word "native" before "coronary vessel systems"; change ">50%" to ">=50%" in two places; change lead in).
           2. Change MissingData from "Report" to "No Action".

Field Name: **Left Main Dis >= 50%**		*SeqNo:* 1060
Short Name: LMainDis		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether the patient has Left Main Coronary Disease. Left Main Coronary Disease is present when there is >= 50% compromise of vessel diameter in any angiographic view.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
           2 = No

ChangesFrom241To25x: 1. Change Definition - More text added; Change ">" to ">="
           2. Change FieldName from "Left Main Dis > 50%" to "Left Main Dis >= 50%". (NOTE: ShortName does not change)
           3. Change MissingData from "Report" to "No Action".

Field Name: **Hemo Data-EF Done**   *SeqNo:* 1070

Short Name: HDEFD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the Ejection Fraction was measured prior to the induction of anesthesia.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                 2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                             2. Change MissingData from "Report" to "No Action".

Field Name: **Hemo Data-EF**   *SeqNo:* 1080

Short Name: HDEF   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the percentage of the blood emptied from the ventricle at the end of the contraction. Use the most recent determination prior to intervention. Enter a percentage in the range of 1 - 99.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Hemo Data-EF Done   *ParentShortName:* HDEFD   *ParentValue:* = "Yes"

Usual Range: 5 - 90

Valid Data: 1 - 99

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Minor text change (change "5 - 90" to "1 - 99"; change lead in)
                             2. Change ValidData from 5 - 90 to 1 - 99
                             3. Change UsualRange from blank to 5 - 90
                             4. Change Format from "Integer length 2" to "Integer"
                             5. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Hemo Data-EF Method**   *SeqNo:* 1090

Short Name: HDEFMeth   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate how the Ejection Fraction measurement information was obtained?
            LV Gram: Left Ventriculogram
            Radionucleotide: MUGA Scan
            Estimate: From other calculations, based upon available clinical data.
            ECHO: Echocardiogram

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Hemo Data-EF Done   *ParentShortName:* HDEFD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: LV Gram; Radionucleotide; Estimate; ECHO

Harvest Coding: 2 = LV Gram
                 3 = Radionucleotide
                 4 = Estimate
                 5 = ECHO

ChangesFrom241To25x: 1. Change Definition - Minor text change (change spelling from "Radionuclide" to "Radionucleotide"; change lead in)
2. Change ValidData - change spelling from "Radionuclide" to "Radionucleotide"
3. Change HarvestCoding - change spelling from "Radionuclide" to "Radionucleotide"
4. Change MissingData from "Report if parent is not null and child is null" to "No Action".
5. Changed ParentValue from "Is Not Missing" to "='Yes'".

Field Name: **Hemo Data - HDPA Mean Done**   *SeqNo:* 1100

Short Name: HDPAD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the mean pulmonary artery pressure in mm Hg, was recorded from catheterization data or Swan-Ganz catheter BEFORE the induction of anesthesia.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "Report" to "No Action".

Field Name: **Hemo Data-PA Mean**   *SeqNo:* 1110

Short Name: HDPAMean   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the mean pulmonary artery pressure in mm Hg, recorded from catheterization data or Swan-Ganz catheter BEFORE the induction of anesthesia.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Hemo Data - HDPA Mean Done   *ParentShortName:* HDPAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 1 - 99

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 2" to "Integer"
2. Change Definition - Change lead in.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VD-Stenosis-Aortic**   *SeqNo:* 1120

Short Name: VDStenA   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether Aortic Stenosis is present.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report" to "No Action".

Field Name: **VD-Gradient-Aortic**		*SeqNo:* 1130
Short Name: VDGradA		*Core:* Yes
Format: Integer		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate the mean gradient across the aortic valve obtained from an echocardiogram or angiogram.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VD-Stenosis-Aortic   *ParentShortName:* VDStenA   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 1 - 200

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 3" to "Integer"
                            2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VD-Stenosis-Mitral**		*SeqNo:* 1140
Short Name: VDStenM		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Mapped - Definition only	

Definition: Indicate whether Mitral Stenosis is present.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report" to "No Action".

Field Name: **VD-Stenosis-Tricuspid**		*SeqNo:* 1150
Short Name: VDStenT		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether Tricuspid Stenosis is present.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report" to "No Action".

Field Name: **VD-Stenosis-Pulmonic**		*SeqNo:* 1160
Short Name: VDStenP		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether Pulmonic Stenosis is present.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                             2. Change MissingData from "Report" to "No Action".

Field Name: **VD-Insuff-Aortic**   *SeqNo:* 1170

Short Name: VDInsufA   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether there is evidence of Aortic valve regurgitation:
         0 = None
         1 = Trivial
         2 = Mild
         3 = Moderate
         4 = Severe

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: 0 - 4

Harvest Coding: 0 = None
                1 = Trivial
                2 = Mild
                3 = Moderate
                4 = Severe

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer"
                             2. Change Definition - Change lead in.
                             3. Change MissingData from "Report" to "No Action".

Field Name: **VD-Insuff-Mitral**   *SeqNo:* 1180

Short Name: VDInsufM   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether there is evidence of Mitral valve regurgitation:
         0 = None
         1 = Trivial
         2 = Mild
         3 = Moderate
         4 = Severe

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: 0 - 4

Harvest Coding: 0 = None
                1 = Trivial
                2 = Mild
                3 = Moderate

4 = Severe

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer"
                            2. Change Definition - Change lead in.
                            3. Change MissingData from "Report" to "No Action".

Field Name: **VD-Insuff-Tricuspid**   *SeqNo:* 1190

Short Name: VDInsufT   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:*   Not mapped

Definition: Indicate whether there is evidence of Tricuspid valve regurgitation:
         0 = None
         1 = Trivial
         2 = Mild
         3 = Moderate
         4 = Severe

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: 0 - 4

Harvest Coding: 0 = None
                  1 = Trivial
                  2 = Mild
                  3 = Moderate
                  4 = Severe

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer"
                            2. Change Definition - Change lead in.
                            3. Change MissingData from "Report" to "No Action".

Field Name: **VD-Insuff-Pulmonic**   *SeqNo:* 1200

Short Name: VDInsufP   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:*   Not mapped

Definition: Indicate whether there is evidence of Pulmonic valve regurgitation:
         0 = None
         1 = Trivial
         2 = Mild
         3 = Moderate
         4 = Severe

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: 0 - 4

Harvest Coding: 0 = None
                  1 = Trivial
                  2 = Mild
                  3 = Moderate
                  4 = Severe

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer"
                            2. Change Definition - Change lead in.
                            3. Change MissingData from "Report" to "No Action".

I. Operative

Field Name: **Surgeon**   *SeqNo:* 1210

Short Name: Surgeon   *Core:* Yes

Format: Text (categorical values specified by User)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the surgeon's name. This field must have controlled data entry where a user selects the surgeon name from a user list. This will remove variation in spelling, abbreviations and punctuation within the field. Note: Surgeon name is encrypted in the analysis database. Punctuation, abbreviations and spacing differences can not be corrected at the warehouse.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (elements of user list) Not free text. User maintains list of valid values. New values are made available through a utility that is separate from entering a data record.

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - More text added to definition and change lead in.
2. Change MissingData from "Report" to "No Action".

Field Name: **Surgeon ID**   *SeqNo:* 1220

Short Name: SurgID   *Core:* Yes

Format: Text length 25   *Harvest:* Optional

Status: New   *ACCField:* Not mapped

Definition: Indicate the unique identification number assigned to the surgeon by the participant.

Data Source: Lookup   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Surgeon   *ParentShortName:* Surgeon   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: (elements of user list) Not free text. User maintains list of valid values. New values are made available through a utility that is separate from entering a data record.

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Surgeon Group**   *SeqNo:* 1230

Short Name: SurgGrp   *Core:* No

Format: Text length 50   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: The name of the surgeon's practice group. If the surgeon is not a member of a group (solo practice) and has no group name, then use the surgeon's name.

Data Source: Lookup   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Surgeon   *ParentShortName:*   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: (Group name specified by user as linked to Surgeon name in vendor database)

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report if parent is not null and child is null" to "No Action"

Field Name: **Status**   *SeqNo:* 1240

Short Name: Status   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the status that best describes the clinical status of the patient at the time of surgery

Emergent Salvage:
Definition: The patient is undergoing CPR en route to the OR or prior to anesthesia induction.

Emergent:
Definition: The patient's clinical status includes any of the following:
a. Ischemic dysfunction (any of the following): (1) Ongoing ischemia including rest angina despite maximal medical therapy (medical and/or IABP)); (2) Acute Evolving Myocardial Infarction within 24 hours before surgery; or (3) pulmonary edema requiring intubation.
b.. Mechanical dysfunction (either of the following): (1) shock with circulatory support; or (2) shock without circulatory support.

Urgent:
Definition: ALL of the following conditions are met:
a. Not elective status.
b. Not emergent status.
c. Procedure required during same hospitalization in order to minimize chance of further clinical deterioration.
d. Worsening, sudden chest pain, CHF, acute myocardial infarction (AMI), anatomy, IABP, unstable angina (USA) with intravenous (IV) nitroglycerin (NTG) or rest angina may be included.

Elective:
Definition: The patients cardiac function has been stable in the days or weeks prior to the operation. The procedure could be deferred without increased risk of compromised cardiac outcome.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Emergent Salvage; Emergent; Urgent; Elective

Harvest Coding: 1 = Elective
                     2 = Urgent
                     3 = Emergent
                     4 = Emergent Salvage

ChangesFrom241To25x: 1. Change Defininition - Minor text change (change abbreviation of nitroglycerin from "TNG" to "NTG"; change lead in)
                         2. Change MissingData from "Report" to "No Action".

Field Name: **Urgent Reason**   *SeqNo:* 1250

Short Name: UrgntRsn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Delay in the operation is necessitated only by attempts to improve the patient's condition, availability of a spouse or parent for informed consent, availability of blood products, or the availability of results of essential laboratory procedures or tests.
Indicate which one of the following applies as the reason why the patient had Urgent Status. (Select one)
Acute myocardial infarction (AMI)
Intra-Aortic Balloon Pump (IABP)
Worsening, sudden chest pain
Congestive Heart Failure (CHF)
Coronary Anatomy
Unstable angina (USA) with intravenous (IV) nitroglycerin (NTG)

Rest angina
Valve Dysfunction
Aortic Dissection
Angiographic Accident

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Status   *ParentShortName:* Status   *ParentValue:* = "Urgent"

Usual Range:

Valid Data: AMI; IABP; Worsening CP; CHF; Anatomy; USA; Rest Angina; Valve Dysfunction; Aortic
Dissection; Angiographic Accident

Harvest Coding: 1 = AMI
2 = IABP
3 = Worsening CP
4 = CHF
5 = Anatomy
6 = USA
7 = Rest Angina
8 = Valve Dysfunction
9 = Aortic Dissection
10 = Angiographic Accident

ChangesFrom241To25x: 1. Change Definition - Add "Angiographic accident" to list of choices and change lead in.
2. Change ValidData - Add "Angiographic Accident" as an option
3. Change HarvestCoding - Add "10 = Angiographic Accident"
4. Change MissingData from "Report if parent is Urgent and child is null" to "No Action".

- -

Field Name: **Emergent Reason**   *SeqNo:* 1260

Short Name: EmergRsn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Patients requiring emergency operations will have ongoing, refractory (difficult, complicated, and/or unmanageable) unrelenting cardiac compromise, with or without hemodynamic instability, and not responsive to any form of therapy except cardiac surgery. An emergency operation is one in which there should be no delay in providing operative intervention.
Indicate which one of the following applies as the reason why the patient had Emergent Status? (Select one):
Shock with circulatory support
Shock without circulatory support
Pulmonary edema requiring intubation
Acute Evolving Myocardial Infarction within 24 hours before surgery
Ongoing ischemia including rest angina despite maximal medical therapy (medical and/or IABP)
Valve Dysfunction
Aortic Dissection
Angiographic Accident

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Status   *ParentShortName:* Status   *ParentValue:* = "Emergent"

Usual Range:

Valid Data: Shock Circ Support; Shock No Circ Support; Pulmonary Edema; AEMI; Ongoing Ischemia; Valve
Dysfunction; Aortic Dissection; Angiographic Accident

Harvest Coding: 1 = Shock Circ Support
2 = Shock No Circ Support
3 = Pulmonary Edema
4 = AEMI
5 = Ongoing Ischemia

    6 = Valve Dysfunction
    7 = Aortic Dissection
    8 = Angiographic Accident

ChangesFrom241To25x: 1. Change Definition - Add "Angiographic accident" to list of choices and change lead in.
    2. Change ValidData - Add "Angiographic Accident" as an option
    3. Change HarvestCoding - Add "8 = Angiographic Accident"
    4. Change MissingData from "Report if parent is Emergent and child is null" to "No Action".

Field Name: **Robotic Technology Assisted**   *SeqNo:* 1270

Short Name: Robotic   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the cardiac surgery was assisted by robotic technology.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
    2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **CAB**   *SeqNo:* 1280

Short Name: OpCAB   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether coronary artery bypass grafting was done.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* Report

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
    2. Change MissingData from "Report & Warn" to "Report".

Field Name: **Valve**   *SeqNo:* 1290

Short Name: OpValve   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether a surgical procedure was done on the Aortic, Mitral, Tricuspid or Pulmonic valves.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
    2 = No

ChangesFrom241To25x: 1. Add new field. (Note: this was an extended field in version 2.35)

Field Name:	**VAD**	*SeqNo:*	1300
Short Name:	VAD	*Core:*	Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a ventricular assist device (VAD) was used.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                            2. Change Section from "P. CPB and Support" to "J. Operative".
                            3. Change MissingData from "Report" to "No Action".

Field Name:	**Other Card**	*SeqNo:*	1310
Short Name:	OpOCard	*Core:*	Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether an other cardiac procedure was done (other than CABG and/or Valve procedures).

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report & Warn" to "No Action".

Field Name:	**Other Non Card**	*SeqNo:*	1320
Short Name:	OpONCard	*Core:*	Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a non-cardiac procedure was done.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report & Warn" to "Report".

Field Name:	**Skin Incision Start Time**	*SeqNo:*	1330
Short Name:	SIStartT	*Core:*	Yes

Format: Time in 24-hour clock format   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate to the nearest minute (using 24 hour clock) the time the skin incision was made.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: 00:00 - 23:59

Valid Data: 00:00 - 23:59

Harvest Coding:

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change Format from "Integer length 4" to "Time in 24-hour clock format"
3. Change ValidData from "0 - 2359" to "00:00 - 23:59".
4. Change UsualRange from "0 - 2359" to "00:00 - 23:59".
5. Change Definition - Change lead in.
6. Change MissingData from "Report" to "No Action".

Field Name: **Skin Incision Stop Time**   *SeqNo:* 1340

Short Name: SIStopT   *Core:* Yes

Format: Time in 24-hour clock format   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate to the nearest minute (using 24 hour clock) the time the skin incision was closed, if the patient leaves the OR with an open chest, collect the time the dressings are applied to the incisions.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: 00:00 - 23:59

Valid Data: 00:00 - 23:59

Harvest Coding:

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change Format from "Integer length 4" to "Time in 24-hour clock format"
3. Change ValidData from "0 - 2359" to "00:00 - 23:59".
4. Change UsualRange from "0 - 2359" to "00:00 - 23:59".
5. Change Definition - Minor text change (change "to the nearest half hour" to "to the nearest minute"; change lead in).
6. Change MissingData from "Report" to "No Action".

Field Name: **CPB utilization**   *SeqNo:* 1350

Short Name: CPBUtil   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the level of CPB or coronary perfusion used during the procedure:

None = no CPB or coronary perfusion used during the procedure
Combination = with or without CPB and/or with or without coronary perfusion at any time during the procedure

At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> CPB
At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> Coronary perfusion
At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> Coronary perfusion -> conversion to -> CPB

Full = CPB or coronary perfusion was used for the entire procedure

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: None, Combination, Full

Harvest Coding: 1 = None
                        2 = Combination
                        3 = Full

ChangesFrom241To25x: 1. Add new field.

Field Name: **CPB utilization - Combination Plan**   *SeqNo:* 1360

Short Name: CPBCmb   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the combination procedure was a planned or an unplanned conversion.

Planned = the surgeon intended to treat with any of the combination options described in "CPB utilization"
Unplanned = the surgeon did not intend to treat with any of the combination options described in "CPB utilization".

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CPB utilization   *ParentShortName:* CPBUtil   *ParentValue:* = "Combination"

Usual Range:

Valid Data: Planned; Unplanned

Harvest Coding: 1 = Planned
                        2 = Unplanned

ChangesFrom241To25x: 1. Add new field.

Field Name: **CPB utilization - Unplanned Combination Reason**   *SeqNo:* 1370

Short Name: CPBCmbR   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the reason that the procedure required the initiation of CPB and/or coronary perfusion.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CPB utilization -   *ParentShortName:* CPBCmb   *ParentValue:* = "Unplanned"
Combination Plan

Usual Range:

Valid Data: Exposure/visualization; Bleeding; Inadequate size and/or diffuse disease of distal vessel; Hemodynamic instability (hypotension/arrhythmias); Conduit quality and/or trauma; Other

Harvest Coding: 1 = Exposure/visualization
                        2 = Bleeding
                        3 = Inadequate size and/or diffuse disease of distal vessel
                        4 = Hemodynamic instability (hypotension/arrhythmias)
                        5 = Conduit quality and/or trauma
                        9 = Other

ChangesFrom241To25x: 1. Add new field.

Field Name: **Perfusion Time (min)**   *SeqNo:* 1380

Short Name: PerfusTm   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the perfusion time in minutes. Perfusion time is defined as an accumulated total of CPB and/or coronary perfusion assist minutes.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CPB Utilization   *ParentShortName:* CPBUtil   *ParentValue:* "Combination"

or "Full"

Usual Range: 1 - 300

Valid Data: 1 - 999

Harvest Coding:

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change Definition - Minor text change (Remove sentence "Leave Blank if no cardiopulmonary bypass was used."; Change lead in.)
3. Change Format from "Integer length 3" to "Integer"
4. Change ParentField from blank to "CPB Utilization"
5. Change ParentValue from blank to " "Combination" or "Full" "
6. Change MissingData from "Report" to "No Action".

Field Name: **Cannulation Method**   *SeqNo:* 1390

Short Name: Cannulat   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the method of cannulation used for cardiopulmonary bypass (select one):
Aorta and Femoral/Jugular Vein.
Femoral Artery and Femoral/Jugular Vein.
Aorta and Atrial/Caval.
Femoral Artery and Atrial/Caval.
Other.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: CPB Utilization   *ParentShortName:* CPBUtil   *ParentValue:* "Combination" or "Full"

Usual Range:

Valid Data: Aorta and Fem/Jug Vein; Fem Art and Fem/Jug Vein; Aorta and Atrial/Caval; Fem Art and Atrial/Caval; Other

Harvest Coding: 1 = Aorta and Fem/Jug Vein
2 = Fem Art and Fem/Jug Vein
3 = Aorta and Atrial/Caval
4 = Fem Art and Atrial/Caval
777 = Other

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change ParentField from blank to "CPB Utilization".
3. Change ParentValue from blank to " "Combination" or "Full" ".
4. Change ValidData - Remove "None (no CPB)" option.
5. Change HarvestCoding - Remove "0 = None (no CPB)" option.
6. Change Definition - Minor text change (remove "None (no CPB)")
7. Change MissingData from "Report" to "No Action".

Field Name: **Aortic Occlusion**   *SeqNo:* 1400

Short Name: AortOccl   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the type of aortic occlusion used. Indicate the highest level of occlusion.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: None; Aortic Crossclamp; Balloon Occlusion; Partial Crossclamp

Harvest Coding: 1 = None
2 = Aortic Crossclamp

3 = Balloon Occlusion
4 = Partial Crossclamp

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change Definition - Entire definition text replaced.
3. Change ValidData - Change "Crossclamp" option to "Aortic Crossclamp"; Add "Partial Crossclamp" option.
4. Change HarvestCoding - Change "2 = Crossclamp" option to "2 = Aortic Crossclamp"; Add option "4 = Partial Crossclamp"
5. Change MissingData from "Report" to "No Action".

Field Name: **Cross Clamp Time (min)**   *SeqNo:* 1410

Short Name: XClampTm   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of minutes the aorta is completely cross-clamped during bypass. Minutes should not be recorded if partial cross clamp is the highest level of occlusion.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action

Parent Field: Aortic Occlusion	*ParentShortName:* AortOccl	*ParentValue:* "Aortic Crossclamp" or "Balloon Occlusion"

Usual Range: 1 - 180

Valid Data: 1 - 600

Harvest Coding:

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change Format from "Integer length 3" to "Integer"
3. Change ParentField from blank to "Aortic Occlusion".
4. Change ParentValue from blank to " "Aortic Crossclamp" or "Balloon Occlusion" "
5. Change Definition - Remove sentence "Leave Blank if no cross-clamp was used."; Add sentence "Minutes should not be recorded if partial cross clamp is the highest level of occlusion"; Change lead in.
6. Change MissingData from "Report" to "No Action".

Field Name: **Cardioplegia**   *SeqNo:* 1420

Short Name: Cplegia   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether cardioplegia was used.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action

Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
2. Change Definition - Entire definition text replaced.
3. Change MissingData from "Report" to "No Action".

Field Name: **IABP**   *SeqNo:* 1430

Short Name: IABP   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient was placed on Intra-Aortic Balloon Pump (IABP).

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                       2 = No

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
                         2. Change Definition - Change lead in.
                         3. Change MissingData from "Report" to "No Action".

Field Name: **IABP-When Inserted**   *SeqNo:* 1440

Short Name: IABPWhen   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the time of earliest IABP insertion? Choose one of the following:
             Preoperatively.
             Intraoperatively.
             Postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: IABP   *ParentShortName:* IABP   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Preop; Intraop; Postop

Harvest Coding: 1 = Preop
                       2 = Intraop
                       3 = Postop

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
                         2. Change Definition - Change lead in.
                         3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **IABP-Indication**   *SeqNo:* 1450

Short Name: IABPInd   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the PRIMARY reason for inserting the IABP? Choose one of the following:
             Hemodynamic Instability.
             PTCA Support.
             Unstable Angina.
             Cardiopulmonary bypass (CPB) weaning failure.
             Prophylactic.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: IABP   *ParentShortName:* IABP   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Hemodyn Instab; PTCA Support; Unstable Angina; CPB Wean; Prophylactic

Harvest Coding: 1 = Hemodyn Instab
                       2 = PTCA Support
                       3 = Unstable Angina
                       4 = CPB Wean
                       5 = Prophylactic

ChangesFrom241To25x: 1. Change Section from "P. CPB and Support" to "J. Operative"
 2. Change Definition - Change lead in.
 3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Intraop Blood Products**   *SeqNo:* 1460

Short Name: IBldProd   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether blood products were transfused any time intraoperatively during the initial surgery. Intraoperatively is defined as any blood started inside of the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
 2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Intraop Blood Products - RBC Units**   *SeqNo:* 1470

Short Name: IBdRBCU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Red Blood Cells that were transfused intraoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Intraop Blood Products   *ParentShortName:* IBldProd   *ParentValue:* = "Yes"

Usual Range: 0 - 10

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Intraop Blood Products - FFP Units**   *SeqNo:* 1480

Short Name: IBdFFPU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Fresh Frozen Plasma that were transfused intraoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Intraop Blood Products   *ParentShortName:* IBldProd   *ParentValue:* = "Yes"

Usual Range: 0 - 10

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Intraop Blood Products - Cryo Units**   *SeqNo:* 1490

Short Name: IBdCryoU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Cryoprecipitate that were transfused intraoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Intraop Blood Products   *ParentShortName:* IBldProd   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Intraop Blood Products - Platelet Units**   *SeqNo:* 1500

Short Name: IBdPlatU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Platelets that were transfused intraoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Intraop Blood Products   *ParentShortName:* IBldProd   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

J. Coronary Bypass

Field Name: **Unplanned CABG**   *SeqNo:* 1510

Short Name: CABUnpln   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: The patient required unplanned CABG after catheterization or an interventional procedure such as PTCA, stent, or atherectomy. In the opinion of the operator or the responsible physician, the patient needed to be moved directly to surgery from the cath lab or hospital ward, typically due to indications such as ongoing ischemia, rest angina despite maximal treatment, pulmonary edema requiring intubation, or shock.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                  2. Change Harvest from Yes to No.
                  3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Dist Anast - Art #**   *SeqNo:* 1520

Short Name: DistArt   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of distal anastomoses with arterial conduits, whether IMA, GEPA, radial artery, etc.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 9

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer".
2. Change Definition - Change lead in.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Dist Anast - Vein #**   *SeqNo:* 1530

Short Name: DistVein   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of distal anastomoses with venous conduits, e.g. saphenous veins.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 9

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer".
2. Change Definition - Change lead in.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Anastomotic Device Used**   *SeqNo:* 1540

Short Name: AnasDevU   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether an anastomotic device/material was used for proximal or distal anastomoses such as glue, magnets, clips, stapler, etc. Exclude sutures.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Anastomotic Device**   *SeqNo:* 1550

Short Name: AnasDev   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate which type of anastomotic device was used. If more than one device used, indicate device used on Distal Anastomosis.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Anastomotic Device Used   *ParentShortName:* AnasDevU   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Glue; Magnets; Clips; Staples; Other

Harvest Coding: 1 = Glue
2 = Magnets
3 = Clips
4 = Staples

<div align="center">9 = Other</div>

ChangesFrom241To25x: 1. Add new field.

Field Name:	**IMA Artery Used**	*SeqNo:*	1560
Short Name:	IMAArtUs	*Core:*	Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate which, if any, Internal Mammary Artery(ies) (IMA) were used for grafts.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Left IMA; Right IMA; Both IMAs; No IMA

Harvest Coding: 1 = Left IMA
                         2 = Right IMA
                         3 = Both IMAs
                         4 = No IMA

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**IMA Harvest Technique**	*SeqNo:*	1570
Short Name:	IMATechn	*Core:*	Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the technique of IMA harvest.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: IMA Artery Used   *ParentShortName:* IMAArtUs   *ParentValue:* "Left IMA",
                                                                        "Right IMA", or
                                                                      "Both IMAs"

Usual Range:

Valid Data: Direct Vision; Thoracoscopy; Combination

Harvest Coding: 2 = Direct Vision
                         3 = Thoracoscopy
                         4 = Combination
                         5 = Robotic Assisted

ChangesFrom241To25x: 1. Change ParentField from blank to "IMA Artery Used"
                            2. Change ParentValue from blank to " "Left IMA", "Right IMA", or "Both IMAs" "
                            3. Change ValidData - Remove "None" option - Add "Robotic Assisted" option to end of list.
                            4. Change HarvestCoding - Remove "1 = None" option - Add "5 = Robotic Assisted" option.
                            5. Change Definition - Change lead in.
                            6. Change MissingData from "Report" to "No Action".

Field Name:	**IMA Dist Anast #**	*SeqNo:*	1580
Short Name:	NumIMADA	*Core:*	Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of distal anastomoses done using IMA grafts.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: IMA Artery Used   *ParentShortName:* IMAArtUs   *ParentValue:* "Left IMA",

---

"Right IMA", or
"Both IMAs"

Usual Range:

Valid Data: 0 - 6

Harvest Coding:

ChangesFrom241To25x: 1. Change ParentField from "CAB" to "IMA Artery Used".
                        2. Change ParentValue from '="Yes"' to '"Left IMA", "Right IMA", or "Both IMAs"'
                        3. Change Format from "Integer length 1" to "Integer".
                        4. Change Definition - Change lead in; Replace "internal mammary artery" with "IMA"
                        5. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**Radial Artery Used**			*SeqNo:* 1590

Short Name: RadArtUs   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate which radial artery(ies) was/were used for grafts:
                  No Radial artery.
                  Left Radial artery.
                  Right Radial artery.
                  Both Radial arteries.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: No Radial; Left Radial; Right Radial; Both Radials

Harvest Coding: 1 = No Radial
                      2 = Left Radial
                      3 = Right Radial
                      4 = Both Radials

ChangesFrom241To25x: 1. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**Radial Dist Anast #**			*SeqNo:* 1600

Short Name: NumRadDA   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of distal anastomoses done using radial artery grafts.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Radial Artery Used   *ParentShortName:* RadArtUs   *ParentValue:* "Left Radial",
                                                                                    "Right Radial",
                                                                          or "Both
                                                                                   Radials"

Usual Range:

Valid Data: 0 - 6

Harvest Coding:

ChangesFrom241To25x: 1. Change ParentField from "CAB" to "Radial Artery Used"
                        2. Change ParentValue from '="Yes"' to '"Left Radial", "Right Radial", or "Both
                        Radials"'
                        3. Change Format from "Integer length 1" to "Integer".
                        4. Change Definition - Change lead in.
                        5. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**GEPA Dist Anast #**			*SeqNo:* 1610

Short Name: NumGEPDA   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of distal anastomoses done using gastro-epiploic artery grafts.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 6

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 1" to "Integer".
                           2. Change Definition - Change lead in.
                           3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Other Arterial Distal Anastomoses #**   *SeqNo:* 1620

Short Name: NumOArtD   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of arterial distal anastomoses that were used, other than radial, GEPA or IMA.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: CAB   *ParentShortName:* OpCAB   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 6

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

K. Valve Surgery

Field Name: **VS-Aortic Proc-Procedure**   *SeqNo:* 1630

Short Name: OpAortic   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a surgical procedure was done or not done on the Aortic Valve. Select one of the following:
a. No
b. Replacement
c. Repair/Reconstruction
d. Root Reconstruction with Valve Conduit
e. Replacement + aortic graft conduit (not a valve conduit)
f. Root Reconstruction w/ Valve Sparing
g. Resuspension Aortic Valve with replacement of ascending Aorta
h. Resuspension Aortic Valve without replacement of ascending Aorta
i. Resection Sub-Aortic Stenosis

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report

Parent Field: Valve   *ParentShortName:* OpValve   *ParentValue:* = "Yes"

Usual Range:

Valid Data: No; Replacement; Repair/Reconstruction; Root Reconstruction with Valve Conduit; Replacement + aortic graft conduit (not a valve conduit); Root Reconstruction with Valve Sparing; Resuspension Aortic Valve with replacement of ascending Aorta; Resuspension Aortic Valve without replacement of ascending Aorta; Resection Sub-Aortic Stenosis

Harvest Coding: 1 = No
2 = Replacement
3 = Repair/Reconstruction
4 = Root Reconstruction with Valve Conduit
8 = Replacement + aortic graft conduit (not a valve conduit)
5 = Root Reconstruction with Valve Sparing
9 = Resuspension Aortic Valve with replacement of ascending Aorta
10 = Resuspension Aortic Valve without replacement of ascending Aorta
7 = Resection Sub-Aortic Stenosis

ChangesFrom241To25x: 1. Change Section from "J. Operative" to "L. Valve Surgery"
2. Change Definition - Entire definition text replaced.
3. Change ValidData - Remove "Resuspension Aortic Valve" option; Add options "Replacement + aortic graft conduit (not a valve conduit)", "Resuspension Aortic Valve with replacement of ascending Aorta", and "Resuspension Aortic Valve without replacement of ascending Aorta" (BE CAREFUL OF ORDER OF OPTIONS)
4. Change HarvestCoding - Remove "6 = Resuspension Aortic Valve" option; Add options "8 = Replacement + aortic graft conduit (not a valve conduit)", "9 = Resuspension Aortic Valve with replacement of ascending Aorta", and "10 = Resuspension Aortic Valve without replacement of ascending Aorta" (BE CAREFUL OF ORDER OF OPTIONS AND THE HARVEST CODE VALUES. Choices should be displayed to user in order shown but codes should be assigned as defined.)
5. Change MissingData from "Report & Warn" to "Report".
6. Change ParentField from blank to "Valve".
7. Change ParentValue from blank to "= "Yes" "

Field Name: **VS-Mitral Proc-Procedure**   *SeqNo:* 1640

Short Name: OpMitral   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a surgical procedure was done or not done on the Mitral Valve. Select one of the

following:
a. No
b. Annuloplasty only
c. Replacement
d. Reconstruction with Annuloplasty
e. Reconstruction without Annuloplasty

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report

Parent Field: Valve   *ParentShortName:* OpValve   *ParentValue:* = "Yes"

Usual Range:

Valid Data: No; Annuloplasty Only; Replacement; Reconstruction with Annuloplasty; Reconstruction without Annuloplasty

Harvest Coding: 1 = No
       2 = Annuloplasty Only
       3 = Replacement
       4 = Reconstruction with Annuloplasty
       5 = Reconstruction without Annuloplasty

ChangesFrom241To25x: 1. Change Section from "J. Operative" to "L. Valve Surgery"
       2. Change Definition - Change lead in statement from "Was a surgical procedure done ont the Mitral Valve, and if so what?" to "Indicate whether a surgical procedure was done or not done on the Mitral Valve".
       3. Change MissingData from "Report & Warn" to "Report".
       4. Change ParentField from blank to "Valve".
       5. Change ParentValue from blank to "= "Yes" "

Field Name: **VS-Tricuspid Proc-Procedure**   *SeqNo:* 1650

Short Name: OpTricus   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a surgical procedure was done or not done on the Tricuspid Valve. Select one of the following:
a. No
b. Annuloplasty Only
c. Replacement
d. Reconstruction with Annuloplasty
e. Reconstruction without Annuloplasty
f. Valvectomy

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report

Parent Field: Valve   *ParentShortName:* OpValve   *ParentValue:* = "Yes"

Usual Range:

Valid Data: No; Annuloplasty Only; Replacement; Reconstruction with Annuloplasty; Reconstruction without Annuloplasty; Valvectomy

Harvest Coding: 1 = No
       2 = Annuloplasty Only
       3 = Replacement
       4 = Reconstruction with Annuloplasty
       5 = Reconstruction without Annuloplasty
       6 = Valvectomy

ChangesFrom241To25x: 1. Change Definition - Change lead in statement from "Was a surgical procedure done on the Tricuspid Valve, and if so what?" to "Indicate whether a surgical procedure was done or not done on the Tricuspid Valve".
       2. Change MissingData from "Report & Warn" to "Report".
       3. Change ParentField from blank to "Valve".
       4. Change ParentValue from blank to "= "Yes" "

Field Name: **VS-Pulmonic Proc-Procedure**   *SeqNo:* 1660

Short Name: OpPulm   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a surgical procedure was done or not done on the Pulmonic Valve. Select one of the following:
a. No
b. Replacement
c. Reconstruction

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report

Parent Field: Valve   *ParentShortName:* OpValve   *ParentValue:* = "Yes"

Usual Range:

Valid Data: No; Replacement; Reconstruction

Harvest Coding: 1 = No
                2 = Replacement
                3 = Reconstruction

ChangesFrom241To25x: 1. Change Definition - Change lead in statement from "Was a surgical procedure done on the Pulmonic Vavle, and if so what?" to "Indicate whether a surgical procedure was done or not done on the Pulmonic Valve".
2. Change MissingData from "Report & Warn" to "Report".
3. Change ParentField from blank to "Valve".
4. Change ParentValue from blank to "= "Yes" "

Field Name: **VS-Aortic Proc-Aortic Annular enlargement**   *SeqNo:* 1670

Short Name: AnlrEnl   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether an annular enlargement procedure was performed on the aortic valve. An aortic annular enlargement is defined as incision of the aortic annulus to enlarge the aortic orifice. Annular enlargement techniques, include but are not limited to Manouguian, Konno and Nicks.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Valve   *ParentShortName:* OpValve   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VS-Aortic Proc-Imp-Type**   *SeqNo:* 1680

Short Name: VSAoImTy   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the type of implant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft (Ross)
R = Ring/Annuloplasty
BA = Band/Annuloplasty

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Aortic Proc-Procedure   *ParentShortName:* OpAortic   *ParentValue:* <> "No" And Is Not Missing

Usual Range:

Valid Data: None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

Harvest Coding:
- 1 = None
- 2 = Mechanical
- 3 = Bioprosthesis
- 4 = Homograft
- 5 = Autograft (Ross)
- 6 = Ring/Annuloplasty
- 7 = Band/Annuloplasty

ChangesFrom241To25x:
1. Change Definition - Minor text changes (change "A = Autograft" to "A = Autograft (Ross)"; Add "BA = Band/Annuloplasty" option).
2. Change ValidData - Spell out options instead of using just abbreviations; Add "Band/Annuloplasty" option.
3. Change HarvestCoding - Spell out options assigned to each code instead of using just abbreviations; Add "7 = Band/Annuloplasty" option.
4. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Aortic Proc-Imp**   *SeqNo:* 1690

Short Name: VSAoIm   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the name of the prosthesis implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Aortic Proc-Imp-Type   *ParentShortName:* VSAoImTy   *ParentValue:* <> "None"

Usual Range:

Valid Data:
ATS Mechanical Prosthesis
Björk-Shiley Convex-Concave Mechanical Prosthesis
Björk-Shiley Monostrut Mechanical Prosthesis
CarboMedics Mechanical Prosthesis
CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
CarboMedics Reduced Cuff Aortic Valve
CarboMedics Standard Aortic Valve
CarboMedics Top-Hat Supra-annular Aortic Valve
CarboMedics OptiForm Mitral Valve
CarboMedics Standard Mitral Valve
CarboMedics Orbis Universal Valve
CarboMedics Small Adult Aortic and Mitral Valves
Edwards Tekna Mechanical Prosthesis
Lillehei-Kaster Mechanical Prosthesis
MCRI On-X Mechanical Prosthesis
Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
Medtronic ADVANTAGE Mechanical Prosthesis
OmniCarbon Mechanical Prosthesis
OmniScience Mechanical Prosthesis
Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
Sorin Monoleaflet Allcarbon Mechanical Prosthesis
St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
SJM Masters Series Mechanical Heart Valve
SJM Masters Series Aortic Valve Graft Prosthesis
St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring

SJM Regent Valve
Starr-Edwards Caged-Ball Prosthesis
Ultracor Mechanical Prosthesis
Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
Baxter Prima Stentless Porcine Bioprosthesis - Root
Biocor Porcine Bioprosthesis
Biocor Stentless Porcine Bioprosthesis - Subcoronary
Biocor Stentless Porcine Bioprosthesis - Root
CarboMedics PhotoFix Pericardial Bioprosthesis
Carpentier-Edwards Duraflex Porcine Bioprosthesis
Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
Carpentier-Edwards Standard Porcine Bioprosthesis
Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
Hancock Standard Porcine Bioprosthesis
Hancock II Porcine Bioprosthesis
Hancock Modified Orifice Porcine Bioprosthesis
Ionescu-Shiley Pericardial Bioprosthesis
Labcor Stented Porcine Bioprosthesis
Labcor Stentless Porcine Bioprosthesis - Subcoronary
Labcor Stentless Porcine Bioprosthesis - Root
Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
Medtronic Intact Porcine Bioprosthesis
Medtronic Mosaic Porcine Bioprosthesis
Medtronic Contegra Bovine Jugular Bioprosthesis
Mitroflow Pericardial Bioprosthesis
St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
St. Jude Medical-Bioimplant Porcine Bioprosthesis
SJM Biocor Valve
SJM Epic Valve
SJM Toronto Root Bioprosthesis
Sorin Pericarbon Stentless Pericardial Bioprosthesis
CryoLife Aortic Homograft
CryoLife Pulmonary Homograft
CryoLife CryoValve SG(Decellularized)Aortic Homograft
CryoLife CryoValve SG Pulmonary Homograft
Homograft Aortic - Subcoronary
Homograft Aortic - Root
Homograft Mitral
Homograft Pulmonic Root
LifeNet CV Allografts
Pulmonary Autograft to aortic root (Ross Procedure)
CarboMedics AnnuloFlo Ring
CarboMedics AnnuloFlex Ring
CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
Carpentier-Edwards Classic Annuloplasty Ring
Carpentier-Edwards Physio Annuloplasty System Ring
Cosgrove-Edwards Annuloplasty System Ring
Edwards MC³ Tricuspid Annuloplasty System G Future Band
Genesee Sculptor Annuloplasty Ring
Medtronic Sculptor Ring
Medtronic-Duran AnCore Ring
Sorin-Puig-Messana Ring
St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
SJM Tailor Annuloplasty Ring

Medtronic Colvin Galloway Future Band
Medtronic Duran Band
Medtronic Duran - Ancore Band
Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
4 = Björk-Shiley Monostrut Mechanical Prosthesis
6 = CarboMedics Mechanical Prosthesis
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis
74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis

85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral
44 = Homograft Pulmonic Root
93 = LifeNet CV Allografts
45 = Pulmonary Autograft to aortic root (Ross Procedure)
94 = CarboMedics AnnuloFlo Ring
95 = CarboMedics AnnuloFlex Ring
96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
46 = Carpentier-Edwards Classic Annuloplasty Ring
47 = Carpentier-Edwards Physio Annuloplasty System Ring
48 = Cosgrove-Edwards Annuloplasty System Ring
97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
98 = Genesee Sculptor Annuloplasty Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran AnCore Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
99 = SJM Tailor Annuloplasty Ring
100 = Medtronic Colvin Galloway Future Band
101 = Medtronic Duran Band
102 = Medtronic Duran - Ancore Band
777 = Other

ChangesFrom241To25x: See "Appendix A" of the Software Specifications.

1. Change Definition - Change lead in.
2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Aortic Proc-Imp-Size**   *SeqNo:* 1700

Short Name: VSAoImSz   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Aortic implant size.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Aortic Proc-Imp-Type   *ParentShortName:* VSAoImTy   *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 2" to "Integer".
                         2. Change Definition - Change lead in.
                         3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**VS-Aortic Proc-Exp-Type**

SeqNo: 1710

Short Name: VSAoExTy

Core: No

Format: Text (categorical values specified by STS)

Harvest: No

Status: Extended   *ACCField:*   Not mapped

Definition: Indicate the type of explant; choose one:
         None
         M = Mechanical
         B = Bioprosthesis
         H = Homograft
         A = Autograft
         R = Ring/Annuloplasty

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Aortic Proc-Procedure   *ParentShortName:*   *ParentValue:*   <> "No" And Is Not Missing

Usual Range:

Valid Data: None; M; B; H; A; R

Harvest Coding: 1 = None
                       2 = M
                       3 = B
                       4 = H
                       5 = A
                       6 = R

ChangesFrom241To25x: 1. Change Core from Yes to No.
                              2. Change Harvest from Yes to No.
                              3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **VS-Aortic Proc-Exp**   *SeqNo:* 1720

Short Name: VSAoEx   *Core:* No

Format: Text (categorical values specified by STS)

Harvest: No

Status: Extended   *ACCField:*   Not mapped

Definition: Select the name of the prosthesis explanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Aortic Proc-Exp-Type   *ParentShortName:*   *ParentValue:*   <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis; Björk-Shiley Convex-Concave Mechanical Prosthesis; Björk-Shiley Monostrut Mechanical Prosthesis; CarboMedics Mechanical Prosthesis; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; Medtronic-Hall Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis; OmniScience Mechanical Prosthesis; On-X Mechanical Prosthesis; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis; Baxter Prima Plus Stentless Porcine Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis; Biocor Porcine Bioprosthesis; Biocor Stentless Porcine Bioprosthesis; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Pericardial Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis; Carpentier-Edwards Supra-Annular Porcine Bioprosthesis; Cryolife O'Brien Stentless Porcine Bioprosthesis; Hancock Standard Porcine Bioprosthesis; Hancock II Porcine Bioprosthesis; Hancock Modified Orifice Porcine Bioprosthesis; Ionescu-Shiley Pericardial Bioprosthesis; Labcor Stented Porcine Bioprosthesis; Labcor Stentless Porcine Bioprosthesis; Medtronic Freestyle Stentless Porcine Bioprosthesis; Medtronic Intact Porcine Bioprosthesis; Medtronic Mosaic Porcine Bioprosthesis; Mitroflow Pericardial Bioprosthesis; Sorin Pericarbon Stentless Pericardial Bioprosthesis; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis; St. Jude Medical-Bioimplant Porcine Bioprosthesis; Homograft Aortic - Subcoronary ; Homograft Aortic Root/Cylinder; Homograft Mitral; Homograft Pulmonic Root;

Cryolife Homograft; Autograft Pulmonic Root; Carpentier-Edwards Classic Ring; Carpentier-Edwards Physio Ring; Cosgrove-Edwards Ring; Medtronic Sculptor Ring; Medtronic-Duran Ring; Sorin-Puig-Messana Ring; St. Jude Medical Sequin Ring; Native valve; Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
4 = Björk-Shiley Monostrut Mechanical Prosthesis
6 = CarboMedics Mechanical Prosthesis
7 = Edwards Tekna Mechanical Prosthesis
8 = Medtronic-Hall Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
10 = On-X Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
17 = Baxter Prima Plus Stentless Porcine Bioprosthesis
18 = Baxter Prima Stentless Porcine Bioprosthesis
19 = Biocor Porcine Bioprosthesis
20 = Biocor Stentless Porcine Bioprosthesis
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
22 = Carpentier-Edwards Pericardial Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Porcine Bioprosthesis
27 = Cryolife O'Brien Stentless Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
32 = Labcor Stentless Porcine Bioprosthesis
34 = Medtronic Freestyle Stentless Porcine Bioprosthesis
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic Root/Cylinder
43 = Homograft Mitral
44 = Homograft Pulmonic Root
45 = Autograft Pulmonic Root
46 = Carpentier-Edwards Classic Ring
47 = Carpentier-Edwards Physio Ring
48 = Cosgrove-Edwards Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring
53 = Lillehei-Kaster Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
55 = Hancock Standard Porcine Bioprosthesis
56 = Cryolife Homograft
700 = Native valve
777 = Other

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **VS-Aortic Proc-Exp-Size**		*SeqNo:* 1730
Short Name: VSAoExSz		*Core:* No
Format: Integer length 2		*Harvest:* No
Status: Extended	*ACCField:* Not mapped	

Definition: Valve Surgery - Aortic Procedure - Explant Size

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field: VS-Aortic Proc-Exp-Type	*ParentShortName:*	*ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report if parent is yes and child is null, except if parent is Native Valve" to "No Action"

Field Name: **VS-Mitral Proc-Imp-Type**		*SeqNo:* 1740
Short Name: VSMiImTy		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate the type of implant; choose one:
　　　　None
　　　　M = Mechanical
　　　　B = Bioprosthesis
　　　　H = Homograft
　　　　A = Autograft (Ross)
　　　　R = Ring/Annuloplasty
　　　　BA = Band/Annuloplasty

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field: VS-Mitral Proc-Procedure	*ParentShortName:* OpMitral	*ParentValue:* <> "No" And Is Not Missing

Usual Range:

Valid Data: None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

Harvest Coding: 1 = None
　　　　2 = Mechanical
　　　　3 = Bioprosthesis
　　　　4 = Homograft
　　　　5 = Autograft (Ross)
　　　　6 = Ring/Annuloplasty
　　　　7 = Band/Annuloplasty

ChangesFrom241To25x: 1. Change Definition - Minor text changes (change "A = Autograft" to "A = Autograft (Ross)"; Add "BA = Band/Annuloplasty" option).
2. Change ValidData - Spell out options instead of using just abbreviations; Add "Band/Annuloplasty" option.
3. Change HarvestCoding - Spell out options assigned to each code instead of using just abbreviations; Add "7 = Band/Annuloplasty" option.
4. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Mitral Proc-Imp**		*SeqNo:* 1750
Short Name: VSMiIm		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the name of the prosthesis implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Mitral Proc-Imp-Type   *ParentShortName:* VSMiImTy   *ParentValue:* <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis
                       Björk-Shiley Convex-Concave Mechanical Prosthesis
                       Björk-Shiley Monostrut Mechanical Prosthesis
                       CarboMedics Mechanical Prosthesis
                       CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
                       CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
                       CarboMedics Reduced Cuff Aortic Valve
                       CarboMedics Standard Aortic Valve
                       CarboMedics Top-Hat Supra-annular Aortic Valve
                       CarboMedics OptiForm Mitral Valve
                       CarboMedics Standard Mitral Valve
                       CarboMedics Orbis Universal Valve
                       CarboMedics Small Adult Aortic and Mitral Valves
                       Edwards Tekna Mechanical Prosthesis
                       Lillehei-Kaster Mechanical Prosthesis
                       MCRI On-X Mechanical Prosthesis
                       Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
                       Medtronic ADVANTAGE Mechanical Prosthesis
                       OmniCarbon Mechanical Prosthesis
                       OmniScience Mechanical Prosthesis
                       Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
                       Sorin Monoleaflet Allcarbon Mechanical Prosthesis
                       St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
                       SJM Masters Series Mechanical Heart Valve
                       SJM Masters Series Aortic Valve Graft Prosthesis
                       St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
                       SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
                       SJM Regent Valve
                       Starr-Edwards Caged-Ball Prosthesis
                       Ultracor Mechanical Prosthesis
                       Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
                       Baxter Prima Stentless Porcine Bioprosthesis - Root
                       Biocor Porcine Bioprosthesis
                       Biocor Stentless Porcine Bioprosthesis - Subcoronary
                       Biocor Stentless Porcine Bioprosthesis - Root
                       CarboMedics PhotoFix Pericardial Bioprosthesis
                       Carpentier-Edwards Duraflex Porcine Bioprosthesis
                       Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
                       Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
                       Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
                       Carpentier-Edwards Standard Porcine Bioprosthesis
                       Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
                       Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
                       Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
                       Hancock Standard Porcine Bioprosthesis
                       Hancock II Porcine Bioprosthesis
                       Hancock Modified Orifice Porcine Bioprosthesis
                       Ionescu-Shiley Pericardial Bioprosthesis
                       Labcor Stented Porcine Bioprosthesis
                       Labcor Stentless Porcine Bioprosthesis - Subcoronary
                       Labcor Stentless Porcine Bioprosthesis - Root
                       Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary

Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
Medtronic Intact Porcine Bioprosthesis
Medtronic Mosaic Porcine Bioprosthesis
Medtronic Contegra Bovine Jugular Bioprosthesis
Mitroflow Pericardial Bioprosthesis
St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
St. Jude Medical-Bioimplant Porcine Bioprosthesis
SJM Biocor Valve
SJM Epic Valve
SJM Toronto Root Bioprosthesis
Sorin Pericarbon Stentless Pericardial Bioprosthesis
CryoLife Aortic Homograft
CryoLife Pulmonary Homograft
CryoLife CryoValve SG(Decellularized)Aortic Homograft
CryoLife CryoValve SG Pulmonary Homograft
Homograft Aortic - Subcoronary
Homograft Aortic - Root
Homograft Mitral
Homograft Pulmonic Root
LifeNet CV Allografts
Pulmonary Autograft to aortic root (Ross Procedure)
CarboMedics AnnuloFlo Ring
CarboMedics AnnuloFlex Ring
CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
Carpentier-Edwards Classic Annuloplasty Ring
Carpentier-Edwards Physio Annuloplasty System Ring
Cosgrove-Edwards Annuloplasty System Ring
Edwards MC³ Tricuspid Annuloplasty System G Future Band
Genesee Sculptor Annuloplasty Ring
Medtronic Sculptor Ring
Medtronic-Duran AnCore Ring
Sorin-Puig-Messana Ring
St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
SJM Tailor Annuloplasty Ring
Medtronic Colvin Galloway Future Band
Medtronic Duran Band
Medtronic Duran - Ancore Band
Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
4 = Björk-Shiley Monostrut Mechanical Prosthesis
6 = CarboMedics Mechanical Prosthesis
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis

12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis

13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve

67 = SJM Masters Series Mechanical Heart Valve

68 = SJM Masters Series Aortic Valve Graft Prosthesis

69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series

70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring

71 = SJM Regent Valve

14 = Starr-Edwards Caged-Ball Prosthesis

15 = Ultracor Mechanical Prosthesis

72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary

73 = Baxter Prima Stentless Porcine Bioprosthesis - Root

19 = Biocor Porcine Bioprosthesis

74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary

75 = Biocor Stentless Porcine Bioprosthesis - Root

21 = CarboMedics PhotoFix Pericardial Bioprosthesis

76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis

77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary

78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root

22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis

23 = Carpentier-Edwards Standard Porcine Bioprosthesis

25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis

79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary

80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root

55 = Hancock Standard Porcine Bioprosthesis

28 = Hancock II Porcine Bioprosthesis

29 = Hancock Modified Orifice Porcine Bioprosthesis

30 = Ionescu-Shiley Pericardial Bioprosthesis

31 = Labcor Stented Porcine Bioprosthesis

81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary

82 = Labcor Stentless Porcine Bioprosthesis - Root

83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary

84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root

35 = Medtronic Intact Porcine Bioprosthesis

36 = Medtronic Mosaic Porcine Bioprosthesis

85 = Medtronic Contegra Bovine Jugular Bioprosthesis

37 = Mitroflow Pericardial Bioprosthesis

39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve

40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis

86 = SJM Biocor Valve

87 = SJM Epic Valve

88 = SJM Toronto Root Bioprosthesis

38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis

89 = CryoLife Aortic Homograft

90 = CryoLife Pulmonary Homograft

91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft

92 = CryoLife CryoValve SG Pulmonary Homograft

41 = Homograft Aortic - Subcoronary

42 = Homograft Aortic - Root

43 = Homograft Mitral

44 = Homograft Pulmonic Root

93 = LifeNet CV Allografts

45 = Pulmonary Autograft to aortic root (Ross Procedure)

94 = CarboMedics AnnuloFlo Ring

95 = CarboMedics AnnuloFlex Ring

96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology

46 = Carpentier-Edwards Classic Annuloplasty Ring

47 = Carpentier-Edwards Physio Annuloplasty System Ring

48 = Cosgrove-Edwards Annuloplasty System Ring

      97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
      98 = Genesee Sculptor Annuloplasty Ring
      49 = Medtronic Sculptor Ring
      50 = Medtronic-Duran AnCore Ring
      51 = Sorin-Puig-Messana Ring
      52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
      99 = SJM Tailor Annuloplasty Ring
      100 = Medtronic Colvin Galloway Future Band
      101 = Medtronic Duran Band
      102 = Medtronic Duran - Ancore Band
      777 = Other

ChangesFrom241To25x: See "Appendix A" of the Software Specifications.

1. Change Definition - Change lead in.
2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Mitral Proc-Imp-Size**   *SeqNo:* 1760

Short Name: VSMiImSz   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Mitral implant size

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Mitral Proc-Imp-Type   *ParentShortName:* VSMiImTy   *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 2" to "Integer".
                             2. Change Definition - Change lead in.
                             3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Mitral Proc-Exp-Type**   *SeqNo:* 1770

Short Name: VSMiExTy   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate the type of explant; choose one:
         None
         M = Mechanical
         B = Bioprosthesis
         H = Homograft
         A = Autograft
         R = Ring/Annuloplasty

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Mitral Proc-Procedure   *ParentShortName:*   *ParentValue:* <> "No" And Is
                                                              Not Missing

Usual Range:

Valid Data: None; M; B; H; A; R

Harvest Coding: 1 = None
                      2 = M
                      3 = B
                      4 = H
                      5 = A
                      6 = R

ChangesFrom241To25x:	1. Change Core from Yes to No.
	2. Change Harvest From Yes to No.
	3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **VS-Mitral Proc-Exp**   *SeqNo:* 1780

Short Name: VSMiEx   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Select the name of the prosthesis explanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Mitral Proc-Exp-Type   *ParentShortName:*   *ParentValue:* <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis; Björk-Shiley Convex-Concave Mechanical Prosthesis; Björk-Shiley Monostrut Mechanical Prosthesis; CarboMedics Mechanical Prosthesis; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; Medtronic-Hall Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis; OmniScience Mechanical Prosthesis; On-X Mechanical Prosthesis; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis; Baxter Prima Plus Stentless Porcine Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis; Biocor Porcine Bioprosthesis; Biocor Stentless Porcine Bioprosthesis; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Pericardial Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis; Carpentier-Edwards Supra-Annular Porcine Bioprosthesis; Cryolife O'Brien Stentless Porcine Bioprosthesis; Hancock Standard Porcine Bioprosthesis; Hancock II Porcine Bioprosthesis; Hancock Modified Orifice Porcine Bioprosthesis; Ionescu-Shiley Pericardial Bioprosthesis; Labcor Stented Porcine Bioprosthesis; Labcor Stentless Porcine Bioprosthesis; Medtronic Freestyle Stentless Porcine Bioprosthesis; Medtronic Intact Porcine Bioprosthesis; Medtronic Mosaic Porcine Bioprosthesis; Mitroflow Pericardial Bioprosthesis; Sorin Pericarbon Stentless Pericardial Bioprosthesis; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis; St. Jude Medical-Bioimplant Porcine Bioprosthesis; Homograft Aortic - Subcoronary ; Homograft Aortic Root/Cylinder; Homograft Mitral; Homograft Pulmonic Root; Cryolife Homograft; Autograft Pulmonic Root; Carpentier-Edwards Classic Ring; Carpentier-Edwards Physio Ring; Cosgrove-Edwards Ring; Medtronic Sculptor Ring; Medtronic-Duran Ring; Sorin-Puig-Messana Ring; St. Jude Medical Sequin Ring; Native valve; Other

Harvest Coding:
2 = ATS Mechanical Prosthesis
3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
4 = Björk-Shiley Monostrut Mechanical Prosthesis
6 = CarboMedics Mechanical Prosthesis
7 = Edwards Tekna Mechanical Prosthesis
8 = Medtronic-Hall Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
10 = On-X Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
17 = Baxter Prima Plus Stentless Porcine Bioprosthesis
18 = Baxter Prima Stentless Porcine Bioprosthesis
19 = Biocor Porcine Bioprosthesis
20 = Biocor Stentless Porcine Bioprosthesis
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
22 = Carpentier-Edwards Pericardial Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Porcine Bioprosthesis
27 = Cryolife O'Brien Stentless Porcine Bioprosthesis

28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
32 = Labcor Stentless Porcine Bioprosthesis
34 = Medtronic Freestyle Stentless Porcine Bioprosthesis
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic Root/Cylinder
43 = Homograft Mitral
44 = Homograft Pulmonic Root
45 = Autograft Pulmonic Root
46 = Carpentier-Edwards Classic Ring
47 = Carpentier-Edwards Physio Ring
48 = Cosgrove-Edwards Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring
53 = Lillehei-Kaster Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
55 = Hancock Standard Porcine Bioprosthesis
56 = Cryolife Homograft
700 = Native valve
777 = Other

ChangesFrom241To25x: 1. Change Core from Yes to No.
     2. Change Harvest from Yes to No.
     3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **VS-Mitral Proc-Exp-Size**		*SeqNo:* 1790
Short Name: VSMiExSz		*Core:* No
Format: Integer length 2		*Harvest:* No
Status: Extended	*ACCField:* Not mapped	

Definition: Valve Surgery - Mitral Procedure - Explant Size

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Mitral Proc-Exp-Type   *ParentShortName:*   *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
     2. Change Harvest from Yes to No.
     3. Change MissingData from "Report if parent is yes and child is null, except if parent is Native Valve" to "No Action"

Field Name: **VS-Tricuspid Proc-Imp-Type**		*SeqNo:* 1800
Short Name: VSTrImTy		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate the type of implant; choose one:

None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft (Ross)
R = Ring/Annuloplasty
BA = Band/Annuloplasty

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Tricuspid Proc-Procedure   *ParentShortName:* OpTricus   *ParentValue:* <> "No" And Is
                                                                                Not Missing

Usual Range:

Valid Data: None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty;
                 Band/Annuloplasty

Harvest Coding: 1 = None
                     2 = Mechanical
                     3 = Bioprosthesis
                     4 = Homograft
                     5 = Autograft (Ross)
                     6 = Ring/Annuloplasty
                     7 = Band/Annuloplasty

ChangesFrom241To25x: 1. Change Definition - Minor text changes (change "A = Autograft" to "A = Autograft
                         (Ross)"; Add "BA = Band/Annuloplasty" option).
                         2. Change ValidData - Spell out options instead of using just abbreviations; Add
                         "Band/Annuloplasty" option.
                         3. Change HarvestCoding - Spell out options assigned to each code instead of using
                         just abbreviations; Add "7 = Band/Annuloplasty" option.
                         4. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Tricuspid Proc-Imp**   *SeqNo:* 1810

Short Name: VSTrIm   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the name of the prosthesis implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Tricuspid Proc-Imp-Type   *ParentShortName:* VSTrImTy   *ParentValue:* <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis
                 Björk-Shiley Convex-Concave Mechanical Prosthesis
                 Björk-Shiley Monostrut Mechanical Prosthesis
                 CarboMedics Mechanical Prosthesis
                 CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
                 CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
                 CarboMedics Reduced Cuff Aortic Valve
                 CarboMedics Standard Aortic Valve
                 CarboMedics Top-Hat Supra-annular Aortic Valve
                 CarboMedics OptiForm Mitral Valve
                 CarboMedics Standard Mitral Valve
                 CarboMedics Orbis Universal Valve
                 CarboMedics Small Adult Aortic and Mitral Valves
                 Edwards Tekna Mechanical Prosthesis
                 Lillehei-Kaster Mechanical Prosthesis
                 MCRI On-X Mechanical Prosthesis
                 Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
                 Medtronic ADVANTAGE Mechanical Prosthesis

OmniCarbon Mechanical Prosthesis

OmniScience Mechanical Prosthesis

Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis

Sorin Monoleaflet Allcarbon Mechanical Prosthesis

St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve

SJM Masters Series Mechanical Heart Valve

SJM Masters Series Aortic Valve Graft Prosthesis

St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series

SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring

SJM Regent Valve

Starr-Edwards Caged-Ball Prosthesis

Ultracor Mechanical Prosthesis

Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary

Baxter Prima Stentless Porcine Bioprosthesis - Root

Biocor Porcine Bioprosthesis

Biocor Stentless Porcine Bioprosthesis - Subcoronary

Biocor Stentless Porcine Bioprosthesis - Root

CarboMedics PhotoFix Pericardial Bioprosthesis

Carpentier-Edwards Duraflex Porcine Bioprosthesis

Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary

Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root

Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis

Carpentier-Edwards Standard Porcine Bioprosthesis

Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis

Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary

Cryolife O'Brien Stentless Porcine Bioprosthesis - Root

Hancock Standard Porcine Bioprosthesis

Hancock II Porcine Bioprosthesis

Hancock Modified Orifice Porcine Bioprosthesis

Ionescu-Shiley Pericardial Bioprosthesis

Labcor Stented Porcine Bioprosthesis

Labcor Stentless Porcine Bioprosthesis - Subcoronary

Labcor Stentless Porcine Bioprosthesis - Root

Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary

Medtronic Freestyle Stentless Porcine Bioprosthesis - Root

Medtronic Intact Porcine Bioprosthesis

Medtronic Mosaic Porcine Bioprosthesis

Medtronic Contegra Bovine Jugular Bioprosthesis

Mitroflow Pericardial Bioprosthesis

St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve

St. Jude Medical-Bioimplant Porcine Bioprosthesis

SJM Biocor Valve

SJM Epic Valve

SJM Toronto Root Bioprosthesis

Sorin Pericarbon Stentless Pericardial Bioprosthesis

CryoLife Aortic Homograft

CryoLife Pulmonary Homograft

CryoLife CryoValve SG(Decellularized)Aortic Homograft

CryoLife CryoValve SG Pulmonary Homograft

Homograft Aortic - Subcoronary

Homograft Aortic - Root

Homograft Mitral

Homograft Pulmonic Root

LifeNet CV Allografts

Pulmonary Autograft to aortic root (Ross Procedure)

CarboMedics AnnuloFlo Ring

CarboMedics AnnuloFlex Ring

CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology

Carpentier-Edwards Classic Annuloplasty Ring

Carpentier-Edwards Physio Annuloplasty System Ring
Cosgrove-Edwards Annuloplasty System Ring
Edwards MC³ Tricuspid Annuloplasty System G Future Band
Genesee Sculptor Annuloplasty Ring
Medtronic Sculptor Ring
Medtronic-Duran AnCore Ring
Sorin-Puig-Messana Ring
St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
SJM Tailor Annuloplasty Ring
Medtronic Colvin Galloway Future Band
Medtronic Duran Band
Medtronic Duran - Ancore Band
Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
4 = Björk-Shiley Monostrut Mechanical Prosthesis
6 = CarboMedics Mechanical Prosthesis
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis
74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis

29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral
44 = Homograft Pulmonic Root
93 = LifeNet CV Allografts
45 = Pulmonary Autograft to aortic root (Ross Procedure)
94 = CarboMedics AnnuloFlo Ring
95 = CarboMedics AnnuloFlex Ring
96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
46 = Carpentier-Edwards Classic Annuloplasty Ring
47 = Carpentier-Edwards Physio Annuloplasty System Ring
48 = Cosgrove-Edwards Annuloplasty System Ring
97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
98 = Genesee Sculptor Annuloplasty Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran AnCore Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
99 = SJM Tailor Annuloplasty Ring
100 = Medtronic Colvin Galloway Future Band
101 = Medtronic Duran Band
102 = Medtronic Duran - Ancore Band
777 = Other

ChangesFrom241To25x: See "Appendix A" of the Software Specifications.

         1. Change Definition - Change lead in.
         2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Tricuspid Proc-Imp-Size**   *SeqNo:* 1820

Short Name: VSTrImSz   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Tricuspid implant size.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Tricuspid Proc-Imp-Type   *ParentShortName:* VSTrImTy   *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 2" to "Integer".
2. Change Definition - Change lead in.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name:	**VS-Tricuspid Proc-Exp-Type**	*SeqNo:*	1830
Short Name:	VSTrExTy	*Core:*	No
Format:	Text (categorical values specified by STS)	*Harvest:*	No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate the type of explant; choose one:
    None
    M = Mechanical
    B = Bioprosthesis
    H = Homograft
    A = Autograft
    R = Ring/Annuloplasty

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Tricuspid Proc-Procedure *ParentShortName:*   *ParentValue:* <> "No" And Is Not Missing

Usual Range:

Valid Data: None; M; B; H; A; R

Harvest Coding: 1 = None
        2 = M
        3 = B
        4 = H
        5 = A
        6 = R

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest From Yes to No.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name:	**VS-Tricuspid Proc-Exp**	*SeqNo:*	1840
Short Name:	VSTrEx	*Core:*	No
Format:	Text (categorical values specified by STS)	*Harvest:*	No

Status: Extended   *ACCField:* Not mapped

Definition: Select the name of the prosthesis explanted.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Tricuspid Proc-Exp-Type *ParentShortName:*   *ParentValue:* <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis; Björk-Shiley Convex-Concave Mechanical Prosthesis; Björk-Shiley Monostrut Mechanical Prosthesis; CarboMedics Mechanical Prosthesis; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; Medtronic-Hall Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis; OmniScience Mechanical Prosthesis; On-X Mechanical Prosthesis; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis; Baxter Prima Plus Stentless Porcine Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis; Biocor Porcine Bioprosthesis; Biocor Stentless Porcine Bioprosthesis; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Pericardial Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis; Carpentier-Edwards Supra-Annular Porcine Bioprosthesis; Cryolife O'Brien

Stentless Porcine Bioprosthesis; Hancock Standard Porcine Bioprosthesis; Hancock II Porcine Bioprosthesis; Hancock Modified Orifice Porcine Bioprosthesis; Ionescu-Shiley Pericardial Bioprosthesis; Labcor Stented Porcine Bioprosthesis; Labcor Stentless Porcine Bioprosthesis; Medtronic Freestyle Stentless Porcine Bioprosthesis; Medtronic Intact Porcine Bioprosthesis; Medtronic Mosaic Porcine Bioprosthesis; Mitroflow Pericardial Bioprosthesis; Sorin Pericarbon Stentless Pericardial Bioprosthesis; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis; St. Jude Medical-Bioimplant Porcine Bioprosthesis; Homograft Aortic - Subcoronary ; Homograft Aortic Root/Cylinder; Homograft Mitral; Homograft Pulmonic Root; Cryolife Homograft; Autograft Pulmonic Root; Carpentier-Edwards Classic Ring; Carpentier-Edwards Physio Ring; Cosgrove-Edwards Ring; Medtronic Sculptor Ring; Medtronic-Duran Ring; Sorin-Puig-Messana Ring; St. Jude Medical Sequin Ring; Native Valve; Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
    3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
    4 = Björk-Shiley Monostrut Mechanical Prosthesis
    6 = CarboMedics Mechanical Prosthesis
    7 = Edwards Tekna Mechanical Prosthesis
    8 = Medtronic-Hall Mechanical Prosthesis
    9 = OmniCarbon Mechanical Prosthesis
    10 = On-X Mechanical Prosthesis
    11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
    12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
    13 = St. Jude Medical Mechanical Prosthesis
    14 = Starr-Edwards Caged-Ball Prosthesis
    15 = Ultracor Mechanical Prosthesis
    17 = Baxter Prima Plus Stentless Porcine Bioprosthesis
    18 = Baxter Prima Stentless Porcine Bioprosthesis
    19 = Biocor Porcine Bioprosthesis
    20 = Biocor Stentless Porcine Bioprosthesis
    21 = CarboMedics PhotoFix Pericardial Bioprosthesis
    22 = Carpentier-Edwards Pericardial Bioprosthesis
    23 = Carpentier-Edwards Standard Porcine Bioprosthesis
    25 = Carpentier-Edwards Supra-Annular Porcine Bioprosthesis
    27 = Cryolife O'Brien Stentless Porcine Bioprosthesis
    28 = Hancock II Porcine Bioprosthesis
    29 = Hancock Modified Orifice Porcine Bioprosthesis
    30 = Ionescu-Shiley Pericardial Bioprosthesis
    31 = Labcor Stented Porcine Bioprosthesis
    32 = Labcor Stentless Porcine Bioprosthesis
    34 = Medtronic Freestyle Stentless Porcine Bioprosthesis
    35 = Medtronic Intact Porcine Bioprosthesis
    36 = Medtronic Mosaic Porcine Bioprosthesis
    37 = Mitroflow Pericardial Bioprosthesis
    38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
    39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis
    40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
    41 = Homograft Aortic - Subcoronary
    42 = Homograft Aortic Root/Cylinder
    43 = Homograft Mitral
    44 = Homograft Pulmonic Root
    45 = Autograft Pulmonic Root
    46 = Carpentier-Edwards Classic Ring
    47 = Carpentier-Edwards Physio Ring
    48 = Cosgrove-Edwards Ring
    49 = Medtronic Sculptor Ring
    50 = Medtronic-Duran Ring
    51 = Sorin-Puig-Messana Ring
    52 = St. Jude Medical Sequin Ring
    53 = Lillehei-Kaster Mechanical Prosthesis
    54 = OmniScience Mechanical Prosthesis

55 = Hancock Standard Porcine Bioprosthesis
56 = Cryolife Homograft
700 = Native Valve
777 = Other

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report if parent is yes and child is null, except if parent is Native Valve" to "No Action"

Field Name: **VS-Tricuspid Proc-Exp-Size**   *SeqNo:* 1850

Short Name: VSTrExSz   *Core:* No

Format: Integer length 2   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Valve Surgery - Tricuspid Procedure - Explant Size

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Tricuspid Proc-Exp-Type *ParentShortName:*   *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **VS-Pulmonic Proc-Imp-Type**   *SeqNo:* 1860

Short Name: VSPuImTy   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the type of implant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft (Ross)
R = Ring/Annuloplasty
BA = Band/Annuloplasty

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Pulmonic Proc-Procedure *ParentShortName:* OpPulm   *ParentValue:* <> "No" And Is Not Missing

Usual Range:

Valid Data: None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

Harvest Coding: 1 = None
2 = Mechanical
3 = Bioprosthesis
4 = Homograft
5 = Autograft (Ross)
6 = Ring/Annuloplasty
7 = Band/Annuloplasty

ChangesFrom241To25x: 1. Change Definition - Minor text changes (change "A = Autograft" to "A = Autograft (Ross)"; Add "BA = Band/Annuloplasty" option).
2. Change ValidData - Spell out options instead of using just abbreviations; Add "Band/Annuloplasty" option.

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3. Change HarvestCoding - Spell out options assigned to each code instead of using just abbreviations; Add "7 = Band/Annuloplasty" option.

4. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Pulmonic Proc-Imp**   *SeqNo:* 1870

Short Name: VSPuIm   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the name of the prosthesis implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Pulmonic Proc-Imp-Type   *ParentShortName:* VSPuImTy   *ParentValue:* <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis
Björk-Shiley Convex-Concave Mechanical Prosthesis
Björk-Shiley Monostrut Mechanical Prosthesis
CarboMedics Mechanical Prosthesis
CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
CarboMedics Reduced Cuff Aortic Valve
CarboMedics Standard Aortic Valve
CarboMedics Top-Hat Supra-annular Aortic Valve
CarboMedics OptiForm Mitral Valve
CarboMedics Standard Mitral Valve
CarboMedics Orbis Universal Valve
CarboMedics Small Adult Aortic and Mitral Valves
Edwards Tekna Mechanical Prosthesis
Lillehei-Kaster Mechanical Prosthesis
MCRI On-X Mechanical Prosthesis
Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
Medtronic ADVANTAGE Mechanical Prosthesis
OmniCarbon Mechanical Prosthesis
OmniScience Mechanical Prosthesis
Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
Sorin Monoleaflet Allcarbon Mechanical Prosthesis
St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
SJM Masters Series Mechanical Heart Valve
SJM Masters Series Aortic Valve Graft Prosthesis
St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
SJM Regent Valve
Starr-Edwards Caged-Ball Prosthesis
Ultracor Mechanical Prosthesis
Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
Baxter Prima Stentless Porcine Bioprosthesis - Root
Biocor Porcine Bioprosthesis
Biocor Stentless Porcine Bioprosthesis - Subcoronary
Biocor Stentless Porcine Bioprosthesis - Root
CarboMedics PhotoFix Pericardial Bioprosthesis
Carpentier-Edwards Duraflex Porcine Bioprosthesis
Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
Carpentier-Edwards Standard Porcine Bioprosthesis
Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
Cryolife O'Brien Stentless Porcine Bioprosthesis - Root

Hancock Standard Porcine Bioprosthesis
Hancock II Porcine Bioprosthesis
Hancock Modified Orifice Porcine Bioprosthesis
Ionescu-Shiley Pericardial Bioprosthesis
Labcor Stented Porcine Bioprosthesis
Labcor Stentless Porcine Bioprosthesis - Subcoronary
Labcor Stentless Porcine Bioprosthesis - Root
Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
Medtronic Intact Porcine Bioprosthesis
Medtronic Mosaic Porcine Bioprosthesis
Medtronic Contegra Bovine Jugular Bioprosthesis
Mitroflow Pericardial Bioprosthesis
St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
St. Jude Medical-Bioimplant Porcine Bioprosthesis
SJM Biocor Valve
SJM Epic Valve
SJM Toronto Root Bioprosthesis
Sorin Pericarbon Stentless Pericardial Bioprosthesis
CryoLife Aortic Homograft
CryoLife Pulmonary Homograft
CryoLife CryoValve SG(Decellularized)Aortic Homograft
CryoLife CryoValve SG Pulmonary Homograft
Homograft Aortic - Subcoronary
Homograft Aortic - Root
Homograft Mitral
Homograft Pulmonic Root
LifeNet CV Allografts
Pulmonary Autograft to aortic root (Ross Procedure)
CarboMedics AnnuloFlo Ring
CarboMedics AnnuloFlex Ring
CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
Carpentier-Edwards Classic Annuloplasty Ring
Carpentier-Edwards Physio Annuloplasty System Ring
Cosgrove-Edwards Annuloplasty System Ring
Edwards MC³ Tricuspid Annuloplasty System G Future Band
Genesee Sculptor Annuloplasty Ring
Medtronic Sculptor Ring
Medtronic-Duran AnCore Ring
Sorin-Puig-Messana Ring
St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
SJM Tailor Annuloplasty Ring
Medtronic Colvin Galloway Future Band
Medtronic Duran Band
Medtronic Duran - Ancore Band
Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
            3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
            4 = Björk-Shiley Monostrut Mechanical Prosthesis
            6 = CarboMedics Mechanical Prosthesis
            57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
            58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
            59 = CarboMedics Reduced Cuff Aortic Valve
            60 = CarboMedics Standard Aortic Valve
            61 = CarboMedics Top-Hat Supra-annular Aortic Valve
            62 = CarboMedics OptiForm Mitral Valve
            63 = CarboMedics Standard Mitral Valve
            64 = CarboMedics Orbis Universal Valve
            65 = CarboMedics Small Adult Aortic and Mitral Valves

7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis
74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral
44 = Homograft Pulmonic Root

           93 = LifeNet CV Allografts
           45 = Pulmonary Autograft to aortic root (Ross Procedure)
           94 = CarboMedics AnnuloFlo Ring
           95 = CarboMedics AnnuloFlex Ring
           96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
           46 = Carpentier-Edwards Classic Annuloplasty Ring
           47 = Carpentier-Edwards Physio Annuloplasty System Ring
           48 = Cosgrove-Edwards Annuloplasty System Ring
           97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
           98 = Genesee Sculptor Annuloplasty Ring
           49 = Medtronic Sculptor Ring
           50 = Medtronic-Duran AnCore Ring
           51 = Sorin-Puig-Messana Ring
           52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
           99 = SJM Tailor Annuloplasty Ring
           100 = Medtronic Colvin Galloway Future Band
           101 = Medtronic Duran Band
           102 = Medtronic Duran - Ancore Band
           777 = Other

ChangesFrom241To25x: See "Appendix A" of the Software Specifications.

           1. Change Definition - Change lead in.
           2. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Pulmonic Proc-Imp-Size**   *SeqNo:* 1880

Short Name: VSPuImSz   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Pulmonic implant size.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Pulmonic Proc-Imp-Type *ParentShortName:* VSPuImTy *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 2" to "Integer".
           2. Change Definition - Change lead in.
           3. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **VS-Pulmonic Proc-Exp-Type**   *SeqNo:* 1890

Short Name: VSPuExTy   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate the type of explant; choose one:
        None
        M = Mechanical
        B = Bioprosthesis
        H = Homograft
        A = Autograft
        R = Ring/Annuloplasty

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Pulmonic Proc-Procedure *ParentShortName:*   *ParentValue:* <> "No" And Is Not Missing

Usual Range:

Valid Data:	None; M; B; H; A; R
Harvest Coding:	1 = None
	2 = M
	3 = B
	4 = H
	5 = A
	6 = R
ChangesFrom241To25x:	1. Change Core from Yes to No.
	2. Change Harvest From Yes to No.
	3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name:	**VS-Pulmonic Proc-Exp**	*SeqNo:*	1900
Short Name:	VSPuEx	*Core:*	No
Format: Text (categorical values specified by STS)		*Harvest:*	No

Status: Extended   *ACCField:* Not mapped

Definition: Select the name of the prosthesis explanted.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VS-Pulmonic Proc-Exp-Type *ParentShortName:*   *ParentValue:* <> "None"

Usual Range:

Valid Data: ATS Mechanical Prosthesis; Björk-Shiley Convex-Concave Mechanical Prosthesis; Björk-Shiley Monostrut Mechanical Prosthesis; CarboMedics Mechanical Prosthesis; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; Medtronic-Hall Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis; OmniScience Mechanical Prosthesis; On-X Mechanical Prosthesis; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis; Baxter Prima Plus Stentless Porcine Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis; Biocor Porcine Bioprosthesis; Biocor Stentless Porcine Bioprosthesis; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Pericardial Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis; Carpentier-Edwards Supra-Annular Porcine Bioprosthesis; Cryolife O'Brien Stentless Porcine Bioprosthesis; Hancock Standard Porcine Bioprosthesis; Hancock II Porcine Bioprosthesis; Hancock Modified Orifice Porcine Bioprosthesis; Ionescu-Shiley Pericardial Bioprosthesis; Labcor Stented Porcine Bioprosthesis; Labcor Stentless Porcine Bioprosthesis; Medtronic Freestyle Stentless Porcine Bioprosthesis; Medtronic Intact Porcine Bioprosthesis; Medtronic Mosaic Porcine Bioprosthesis; Mitroflow Pericardial Bioprosthesis; Sorin Pericarbon Stentless Pericardial Bioprosthesis; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis; St. Jude Medical-Bioimplant Porcine Bioprosthesis; Homograft Aortic - Subcoronary ; Homograft Aortic Root/Cylinder; Homograft Mitral; Homograft Pulmonic Root; Cryolife Homograft; Autograft Pulmonic Root; Carpentier-Edwards Classic Ring; Carpentier-Edwards Physio Ring; Cosgrove-Edwards Ring; Medtronic Sculptor Ring; Medtronic-Duran Ring; Sorin-Puig-Messana Ring; St. Jude Medical Sequin Ring; Native Valve; Other

Harvest Coding: 2 = ATS Mechanical Prosthesis
        3 = Björk-Shiley Convex-Concave Mechanical Prosthesis
        4 = Björk-Shiley Monostrut Mechanical Prosthesis
        6 = CarboMedics Mechanical Prosthesis
        7 = Edwards Tekna Mechanical Prosthesis
        8 = Medtronic-Hall Mechanical Prosthesis
        9 = OmniCarbon Mechanical Prosthesis
        10 = On-X Mechanical Prosthesis
        11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
        12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
        13 = St. Jude Medical Mechanical Prosthesis
        14 = Starr-Edwards Caged-Ball Prosthesis
        15 = Ultracor Mechanical Prosthesis
        17 = Baxter Prima Plus Stentless Porcine Bioprosthesis

18 = Baxter Prima Stentless Porcine Bioprosthesis
19 = Biocor Porcine Bioprosthesis
20 = Biocor Stentless Porcine Bioprosthesis
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
22 = Carpentier-Edwards Pericardial Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Porcine Bioprosthesis
27 = Cryolife O'Brien Stentless Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
32 = Labcor Stentless Porcine Bioprosthesis
34 = Medtronic Freestyle Stentless Porcine Bioprosthesis
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic Root/Cylinder
43 = Homograft Mitral
44 = Homograft Pulmonic Root
45 = Autograft Pulmonic Root
46 = Carpentier-Edwards Classic Ring
47 = Carpentier-Edwards Physio Ring
48 = Cosgrove-Edwards Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring
53 = Lillehei-Kaster Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
55 = Hancock Standard Porcine Bioprosthesis
56 = Cryolife Homograft
700 = Native Valve
777 = Other

ChangesFrom241To25x: 1. Change Core from Yes to No.
                         2. Change Harvest from Yes to No.
                         3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **VS-Pulmonic Proc-Exp-Size**		*SeqNo:* 1910
Short Name: VSPuExSz		*Core:* No
Format: Integer length 2		*Harvest:* No
Status: Extended	*ACCField:* Not mapped	

Definition: Valve Surgery - Pulmonic Procedure - Explant Size

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VS-Pulmonic Proc-Exp-Type   *ParentShortName:*   *ParentValue:* <> "None"

Usual Range: 10 - 40

Valid Data: 5 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
                         2. Change Harvest from Yes to No.
                         3. Change MissingData from "Report if parent is yes and child is null, except if parent

is Native Valve" to "No Action"

L. VAD

Field Name: **VAD-Previous VAD** *SeqNo:* 1920

Short Name: PrevVAD *Core:* Yes

Format: Text (categorical values specified by STS) *Harvest:* Yes

Status: New *ACCField:* Not mapped

Definition: Indicate if the patient, during a previous hospitalization, received a mechanical ventricular assist device, pneumatically or electrically controlled, that supports the pumping chambers of the heart.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD *ParentShortName:* VAD *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

- -

Field Name: **VAD-Indication for initial VAD** *SeqNo:* 1930

Short Name: VADInd *Core:* Yes

Format: Text (categorical values specified by STS) *Harvest:* Yes

Status: New *ACCField:* Not mapped

Definition: Indicate the reason the patient is receiving the initial ventricular assist device (VAD)

- Bridge to Transplantation: Includes those patients who are supported with a VAD until a heart transplant is possible.
- Bridge to Recovery: Includes those patients who are expected to have ventricular recovery. (i.e. Myocarditis patients, postcardiotomy syndromes, viral cardiomyopathies, AMI w/ revascularization, and post-transplant reperfusion injury)
- Destination: Includes those patients where a heart transplant is not an option. The VAD is placed for permanent life sustaining support.
- Postcardiotomy Ventricular failure (Separation from CPB): Includes those Postcardiotomy patients who receive a VAD because of failure to separate from the heart-lung machine. Postcardiotomy refers to those patients with the inability to wean from cardiopulmonary bypass secondary to left, right, or biventricular failure.
- Device Malfunction: Includes those patients who are currently VAD supported and are experiencing device failure.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD *ParentShortName:* VAD *ParentValue:* = "Yes"

Usual Range:

Valid Data: Bridge to Transplantation; Bridge to Recovery; Destination; Postcardiotomy Ventricular failure (Separation from CPB); Device Malfunction

Harvest Coding: 1 = Bridge to Transplantation
2 = Bridge to Recovery
3 = Destination
4 = Postcardiotomy Ventricular failure (Separation from CPB)
5 = Device Malfunction

ChangesFrom241To25x: 1. Add new field.

- -

Field Name: **VAD-Intubated Pre-VAD** *SeqNo:* 1940

Short Name: IntPVAD *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient was intubated prior to the OR in which the VAD was placed.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                        2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-PCWP**   *SeqNo:* 1950

Short Name: HPVPCWP   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the Pulmonary Capillary Wedge Pressure (PCWP) in mm/Hg as determined prior to induction in the OR, or in an ICU immediately prior to the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range: 5 - 30

Valid Data: 1 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-CVP**   *SeqNo:* 1960

Short Name: HPVCVP   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the Central Venous Pressure (CVP) in mm/Hg prior to induction in the OR, or in an ICU immediately prior to the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range: 5 - 10

Valid Data: 1 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-PVR**   *SeqNo:* 1970

Short Name: HPVPVR   *Core:* Yes

Format: Real number 2.1 digits e.g. 99.9   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the Pulmonary Vascular Resistance (PVR) prior to induction in the OR, or in an ICU immediately prior to the OR. Please collect the value in woods units. If your institution reports PVR as dynes sec/cm5, please convert using the formula below.

         PVR in woods units = (MPAP-PCWP)/CO
         PVR in dynes sec/cm5 = (MPAP-PCWP)/CO x 80

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

----

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range: 0.5 - 8.0

Valid Data: 0.5 - 12.0

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-CI**   *SeqNo:* 1980

Short Name: HPVCI   *Core:* Yes

Format: Real number 1.1 digits e.g. 9.9   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the Cardiac Index (CI) in L/(min x m2) prior to induction in the OR, or in an ICU immediately prior to the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range: 0.5 - 2.0

Valid Data: 0.5 - 5.0

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-RVEF**   *SeqNo:* 1990

Short Name: HPVRVEF   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the Right Ventricular Function prior to anesthesia induction in the OR and as close to time of the VAD implant as possible.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Normal; Mildly Impaired; Moderately Impaired; Severely Impaired

Harvest Coding: 1 = Normal
                      2 = Mildly Impaired
                      3 = Moderately Impaired
                      4 = Severely Impaired

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-RVEF Method**   *SeqNo:* 2000

Short Name: HPVRVMth   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the method the RV Function was obtained.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Hemodynamics Pre-   *ParentShortName:* HPVRVEF   *ParentValue:* Is Not Missing
VAD-RVEF

Usual Range:

Valid Data: PreOp Echo; Intraop preVAD TEE

Harvest Coding: 1 = PreOp Echo
                      2 = Intraop preVAD TEE

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-PVO2 Measured**	*SeqNo:* 2010
Short Name: HPVPVO2M	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes
Status: New *ACCField:* Not mapped	

Definition: Indicate whether the peak VO2 was measured prior to induction in the OR, or in an ICU immediately prior to the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                   2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Hemodynamics Pre-VAD-PVO2**	*SeqNo:* 2020
Short Name: HPVPVO2	*Core:* Yes
Format: Integer	*Harvest:* Yes
Status: New *ACCField:* Not mapped	

Definition: Indicate the peak VO2 in ml/kg/min prior to induction in the OR, or in an ICU immediately prior to the OR.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Hemodynamics Pre-VAD-PVO2 Measured   *ParentShortName:* HPVPVO2M   *ParentValue:* = "Yes"

Usual Range: 5 - 15

Valid Data: 5 - 30

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Implant Type**	*SeqNo:* 2030
Short Name: VImpTy	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes
Status: New *ACCField:* Not mapped	

Definition: Indicate the initial type of VAD implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: RVAD - Right Ventricular Assist Device; LVAD - Left Ventricular Assist Device; BiVAD - BiVentricular Assist Device

Harvest Coding: 1 = RVAD - Right Ventricular Assist Device
                   2 = LVAD - Left Ventricular Assist Device
                   3 = BiVAD - BiVentricular Assist Device

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Product Type**	*SeqNo:* 2040
Short Name: VProdTy	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes
Status: New *ACCField:* Not mapped	

Definition: Indicate the specific product implanted. Implant defined as physical placement of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type   *ParentShortName:* VImpTy   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: HeartQuest VAD; Lion Heart; Novacor LVAS; Heartsaver VAD; Jarvic 2000; DeBakey VAD; TandemHeart pVAD; AB-180 iVAD; CardioWest TAH; Thoratec IVAD; HeartMate VE; HeartMate IP LVAS; HeartMate SNAP-VE; HeartMate XVE HeartMate II; HeartMate III; BVS5000i; AbioCor; Incor; Excor; Other

Harvest Coding: 1 = HeartQuest VAD
2 = Lion Heart
3 = Novacor LVAS
4 = Heartsaver VAD
5 = Jarvic 2000
6 = DeBakey VAD
7 = TandemHeart pVAD
8 = AB-180 iVAD
9 = CardioWest TAH
10 = Thoratec IVAD
11 = HeartMate VE
12 = HeartMate IP LVAS
13 = HeartMate SNAP-VE
14 = HeartMate XVE
15 = HeartMate II
16 = HeartMate III
17 = BVS5000i
18 = AbioCor
19 = Incor
20 = Excor
21 = Other

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Implant Date**   *SeqNo:* 2050

Short Name: VImpDt   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the VAD was implated

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type   *ParentShortName:* VImpTy   *ParentValue:* Is Not Missing

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant**   *SeqNo:* 2060

Short Name: VExp   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the VAD was explanted. Explant is defined as physical removal of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type   *ParentShortName:* VImpTy   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name:	**VAD-Explant Date**	*SeqNo:* 2070
Short Name:	VExpDt	*Core:* Yes
Format: Date mm/dd/yyyy		*Harvest:* Yes
Status: New	*ACCField:* Not mapped	

Definition: Indicate the date the VAD was explanted.

Data Source: User	*Default:* (null/blank = missing) *Missing Data:* No Action	
Parent Field: VAD-Explant	*ParentShortName:* VExp	*ParentValue:* = "Yes"

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name:	**VAD-Explant Reason**	*SeqNo:* 2080
Short Name:	VExpRsn	*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: New	*ACCField:* Not mapped	

Definition: Indicate the reason the VAD was explanted:

1. Cardiac Transplant- The VAD was explanted for Cardiac Transplant.
2. Recovery- The VAD was removed after cardiac recovery.
3. Device Transfer- The VAD was explanted in order to implant another assist device.
4. Device-Related Infection- An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever requiring medical or surgical intervention.
5. Device Malfunction- The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.

Data Source: User	*Default:* (null/blank = missing) *Missing Data:* No Action	
Parent Field: VAD-Explant	*ParentShortName:* VExp	*ParentValue:* = "Yes"

Usual Range:

Valid Data: Cardiac Transplant; Recovery; Device Transfer; Device-Related Infection; Device Malfunction

Harvest Coding: 1 = Cardiac Transplant
                     2 = Recovery
                     3 = Device Transfer
                     4 = Device-Related Infection
                     5 = Device Malfunction

ChangesFrom241To25x: 1. Add new field.

Field Name:	**VAD-Cardiac Transplant**	*SeqNo:* 2090
Short Name:	VCardTx	*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: New	*ACCField:* Not mapped	

Definition: Indicate whether the patient received a cardiac transplant during this hospitalization.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Explant Reason   *ParentShortName:* VExpRsn   *ParentValue:* = "Cardiac Transplant"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                       2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Cardiac Transplant Date**   *SeqNo:* 2100

Short Name: VTxDt   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the patient received a cardiac transplant.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Explant Reason   *ParentShortName:* VExpRsn   *ParentValue:* = "Cardiac Transplant"

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Initial VAD Cannulation/Attach Site - LVAD Inflow**   *SeqNo:* 2110

Short Name: LVADInf   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the location of the LVAD inflow site as the left atrium (LA) or the left ventricle (LV). The LVAD inflow is defined as the anatomic location (left atrium or left ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Left Atrium; Left Ventricle

Harvest Coding: 1 = Left Atrium
                       2 = Left Ventricle

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Initial VAD Cannulation/Attach Site - RVAD Inflow**   *SeqNo:* 2120

Short Name: RVADInf   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the location of the RVAD inflow site as the right atrium (RA) or the right ventricle (RV). The RVAD inflow is defined as the anatomic location (right atrium or right ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Right Atrium; Right Ventricle

Harvest Coding: 1 = Right Atrium
                              2 = Right Ventricle

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Implant Type #2**   *SeqNo:* 2130

Short Name: VImpTy2   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the second type of ventricular assist device implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: RVAD - Right Ventricular Assist Device; LVAD - Left Ventricular Assist Device; BiVAD - BiVentricular Assist Device

Harvest Coding: 1 = RVAD - Right Ventricular Assist Device
                              2 = LVAD - Left Ventricular Assist Device
                              3 = BiVAD - BiVentricular Assist Device

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Product Type #2**   *SeqNo:* 2140

Short Name: VProdTy2   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the specific product #2 implanted. Implant defined as physical placement of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type #2   *ParentShortName:* VImpTy2   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: HeartQuest VAD; Lion Heart; Novacor LVAS; Heartsaver VAD; Jarvic 2000; DeBakey VAD; TandemHeart pVAD; AB-180 iVAD; CardioWest TAH; Thoratec IVAD; HeartMate VE; HeartMate IP LVAS; HeartMate SNAP-VE; HeartMate XVE HeartMate II; HeartMate III; BVS5000i; AbioCor; Incor; Excor; Other

Harvest Coding: 1 = HeartQuest VAD
                              2 = Lion Heart
                              3 = Novacor LVAS
                              4 = Heartsaver VAD
                              5 = Jarvic 2000
                              6 = DeBakey VAD
                              7 = TandemHeart pVAD
                              8 = AB-180 iVAD
                              9 = CardioWest TAH
                              10 = Thoratec IVAD
                              11 = HeartMate VE
                              12 = HeartMate IP LVAS
                              13 = HeartMate SNAP-VE
                              14 = HeartMate XVE
                              15 = HeartMate II
                              16 = HeartMate III
                              17 = BVS5000i
                              18 = AbioCor
                              19 = Incor
                              20 = Excor

21 = Other

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Implant Date #2**   *SeqNo:* 2150

Short Name: VImpDt2   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the VAD #2 was implated

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type #2   *ParentShortName:* VImpTy2   *ParentValue:* Is Not Missing

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant #2**   *SeqNo:* 2160

Short Name: VExp2   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the VAD #2 was explanted. Explant is defined as physical removal of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type #2   *ParentShortName:* VImpTy2   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant Date #2**   *SeqNo:* 2170

Short Name: VExpDt2   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the VAD #2 was explanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Explant #2   *ParentShortName:* VExp2   *ParentValue:* = "Yes"

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant Reason #2**   *SeqNo:* 2180

Short Name: VExpRsn2   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the reason the VAD #2 was explanted:

    1. Cardiac Transplant- The VAD was explanted for Cardiac Transplant.
    2. Recovery- The VAD was removed after cardiac recovery.

3. Device Transfer- The VAD was explanted in order to implant another assist device.
4. Device-Related Infection- An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever requiring medical or surgical intervention.
5. Device Malfunction- The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD-Explant #2   *ParentShortName:* VExp2   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Cardiac Transplant; Recovery; Device Transfer; Device-Related Infection; Device Malfunction

Harvest Coding: 1 = Cardiac Transplant
2 = Recovery
3 = Device Transfer
4 = Device-Related Infection
5 = Device Malfunction

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Cardiac Transplant #2**   *SeqNo:* 2190

Short Name: VCardTx2   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient received a cardiac transplant during this hospitalization.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD-Explant Reason #2   *ParentShortName:* VExpRsn2   *ParentValue:* = "Cardiac Transplant"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Cardiac Transplant Date #2**   *SeqNo:* 2200

Short Name: VTxDt2   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the patient received a cardiac transplant.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD-Explant Reason #2   *ParentShortName:* VExpRsn2   *ParentValue:* = "Cardiac Transplant"

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Implant Type #3**   *SeqNo:* 2210

Short Name: VImpTy3   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:*   Yes

Status: New   *ACCField:*   Not mapped

Definition: Indicate the third type of ventricular assist device implanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: RVAD - Right Ventricular Assist Device; LVAD - Left Ventricular Assist Device; BiVAD - BiVentricular Assist Device

Harvest Coding: 1 = RVAD - Right Ventricular Assist Device
                       2 = LVAD - Left Ventricular Assist Device
                       3 = BiVAD - BiVentricular Assist Device

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Product Type #3**   *SeqNo:* 2220

Short Name: VProdTy3   *Core:*   Yes

Format: Text (categorical values specified by STS)   *Harvest:*   Yes

Status: New   *ACCField:*   Not mapped

Definition: Indicate the specific product #3 implanted. Implant defined as physical placement of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type #3   *ParentShortName:* VImpTy3   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: HeartQuest VAD; Lion Heart; Novacor LVAS; Heartsaver VAD; Jarvic 2000; DeBakey VAD; TandemHeart pVAD; AB-180 iVAD; CardioWest TAH; Thoratec IVAD; HeartMate VE; HeartMate IP LVAS; HeartMate SNAP-VE; HeartMate XVE HeartMate II; HeartMate III; BVS5000i; AbioCor; Incor; Excor; Other

Harvest Coding: 1 = HeartQuest VAD
                       2 = Lion Heart
                       3 = Novacor LVAS
                       4 = Heartsaver VAD
                       5 = Jarvic 2000
                       6 = DeBakey VAD
                       7 = TandemHeart pVAD
                       8 = AB-180 iVAD
                       9 = CardioWest TAH
                       10 = Thoratec IVAD
                       11 = HeartMate VE
                       12 = HeartMate IP LVAS
                       13 = HeartMate SNAP-VE
                       14 = HeartMate XVE
                       15 = HeartMate II
                       16 = HeartMate III
                       17 = BVS5000i
                       18 = AbioCor
                       19 = Incor
                       20 = Excor
                       21 = Other

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Implant Date #3**   *SeqNo:* 2230

Short Name: VImpDt3   *Core:*   Yes

Format: Date mm/dd/yyyy   *Harvest:*   Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the VAD #3 was implated.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type #3   *ParentShortName:* VImpTy3   *ParentValue:* Is Not Missing

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant #3**   *SeqNo:* 2240

Short Name: VExp3   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the VAD #3 was explanted. Explant is defined as physical removal of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Implant Type #3   *ParentShortName:* VImpTy3   *ParentValue:* Is Not Missing

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant Date #3**   *SeqNo:* 2250

Short Name: VExpDt3   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the VAD #3 was explanted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD-Explant #3   *ParentShortName:* VExp3   *ParentValue:* = "Yes"

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Explant Reason #3**   *SeqNo:* 2260

Short Name: VExpRsn3   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the reason the VAD #3 was explanted:

  1. Cardiac Transplant- The VAD was explanted for Cardiac Transplant.
  2. Recovery- The VAD was removed after cardiac recovery.
  3. Device Transfer- The VAD was explanted in order to implant another
     assist device.
  4. Device-Related Infection- An infection within the pump pocket,
     driveline, VAD Endocarditis, or other infection requiring explantation
     of the VAD. The body of the VAD has an active infection requiring
     removal to eliminate the infection. "Device-related infections" are
     defined as positive culture in the presence of leukocytosis, and /or fever

requiring medical or surgical intervention.

    5. Device Malfunction- The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD-Explant #3   *ParentShortName:* VExp3   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Cardiac Transplant; Recovery; Device Transfer; Device-Related Infection; Device Malfunction

Harvest Coding: 1 = Cardiac Transplant
                2 = Recovery
                3 = Device Transfer
                4 = Device-Related Infection
                5 = Device Malfunction

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Cardiac Transplant #3**   *SeqNo:* 2270

Short Name: VCardTx3   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient received a cardiac transplant during this hospitalization.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD-Explant Reason #3   *ParentShortName:* VExpRsn3   *ParentValue:* = "Cardiac Transplant"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Cardiac Transplant Date #3**   *SeqNo:* 2280

Short Name: VTxDt3   *Core:* Yes

Format: Date mm/dd/yyyy   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the date the patient received a cardiac transplant.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD-Explant Reason #3   *ParentShortName:* VExpRsn3   *ParentValue:* = "Cardiac Transplant"

Usual Range:

Valid Data:

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Primary VAD Comp-Intracranial Bleed**   *SeqNo:* 2290

Short Name: PVCmpBld   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient had an intracranial bleed, confirmed by CT Scan or other diagnostic studies.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Primary VAD Comp-Embolic Stroke**   *SeqNo:* 2300

Short Name: PVCmpESt   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient had embolic stroke caused by a blood clot, air embolus, or tissue, confirmed by CT Scan or other diagnostic studies.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Primary VAD Comp-Driveline and/or cannula Infection**   *SeqNo:* 2310

Short Name: PVCmpDCI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient had a driveline and/or cannula infection. Driveline and/or cannula infection is defined as the presence of erythema, drainage, or purulence at the VAD connection site whether entering or exiting the body in association with leukocytosis and in the presence of positive culture.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Primary VAD Comp-Pump Pocket Infection**   *SeqNo:* 2320

Short Name: PVCmpPPI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient had a pump pocket infection. A pump pocket infection is defined as a persistent drainage in the physical location of the pump, located preperitoneally or intra-abdominally with positive cultures from the pocket site.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Primary VAD Comp-VAD Endocarditis**   *SeqNo:* 2330

Short Name: PVCmpEnd   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient had VAD endocarditis. VAD endocarditis is defined as an infection of the blood contacting surface of the VAD device itself. This may include:
- internal surfaces;
- graft material;
- inflow/outflow valves of the VAD.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Primary VAD Comp-Device Malfunction**   *SeqNo:* 2340

Short Name: PVCmpMal   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **VAD-Discharge Status**   *SeqNo:* 2350

Short Name: VADDiscS   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the VAD status at discharge from the hospital.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: VAD   *ParentShortName:* VAD   *ParentValue:* = "Yes"

Usual Range:

Valid Data: With VAD; Without VAD

Harvest Coding: 1 = With VAD
                                2 = Without VAD

ChangesFrom241To25x: 1. Add new field.

M. Other Cardiac Procedures

Field Name: **Other Card-LVA**   *SeqNo:* 2360

Short Name: OCarLVA   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a Left Ventricular Aneurysm Repair either in conjuction with or as the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
               2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
          2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Card-VSD**   *SeqNo:* 2370

Short Name: OCarVSD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a Ventricular Septal Defect Repair either in conjuction with or as the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
               2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
          2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Card-ASD**   *SeqNo:* 2380

Short Name: OCarASD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had an Atrial Septal Defect Repair either in conjuction with or as the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
               2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
           2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name:	**Other Card-Batista**	*SeqNo:* 2390
Short Name:	OCarBati	*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether the patient had a Left Ventricular Reduction Myoplasty either in conjuction with or as the primary surgical procedure. Left Ventricular Reduction Myoplasty is a procedure whereby left ventricular myocardium is excised to reduce left ventricular volume in patients with a dilated cardiomyopathy, with or without mitral valve replacement or repair. If a concomitant valve procedure is performed, please check that category also.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in; Add "either in conjuction with or as the primary surgical procedure."
           2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name:	**Other Card-Surgical Ventricular Restoration**	*SeqNo:* 2400
Short Name:	OCarSVR	*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether the patient had a Surgical Ventricular Restoration either in conjuction with or as the primary surgical procedure. Surgical Ventricular Restoration are procedures that restore the geometry of the heart after an anterior MI. They include the Dor procedure or the SAVER procedure. This SVR procedure is distinct from an anterior left ventricular aneurysmectomy (LVA) and from a Batista procedure (left ventricular volume reduction procedure).

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in; Add "either in conjuction with or as the primary surgical procedure."
           2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name:	**Other Card-Congenital**	*SeqNo:* 2410
Short Name:	OCarCong	*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether the patient had a congenital defect repair either in conjuction with or as the primary

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surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in; Add "either in conjuction with or as the primary surgical procedure."
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Card-Transmyocardial**   *SeqNo:* 2420

Short Name: OCarLasr   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient underwent the creation of multiple channels in left ventricular myocardium with a laser fiber either in conjuction with or as the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in;   Add "either in conjuction with or as the primary surgical procedure."
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Card-Cardiac Trauma**   *SeqNo:* 2430

Short Name: OCarTrma   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a surgical procedure for an injury due to Cardiac Trauma either in conjuction with or as the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in; Add "either in conjuction with or as the primary surgical procedure."
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Card-Card Tx**   *SeqNo:* 2440

Short Name: OCarCrTx   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a Heterotopic or Orthotopic heart transplantation either in conjuction with or as the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in; Add "either in conjuction with or as the primary surgical procedure."
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

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Field Name: **Other Card-Arrhythmia Correction Surgery**   *SeqNo:* 2450

Short Name: OCarACD   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if one of the following arrhythmia correction devices was surgically placed either in conjuction with or as the primary surgical procedure:

> None
> Permanent Pacemaker: an internal electronic generator that controls the heart rate.
> Permanent Pacemaker with Cardiac Resynchronization Therapy (CRT): an internal
>   permanent pacemaker that uses biventricular electrical stimulation to
>   synchronize ventricular contraction.
> Automatic Implanted Cardioverter Defibrillator (AICD): an internal device that defibrillates the heart.
> AICD with CRT: an internal AICD that uses biventricular electrical stimulation to
>   synchronize ventricular contraction.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: None; Permanent Pacemaker; Permanent Pacemaker with Cardiac Resynchronization Technique (CRT); Automatic Implanted Cardioverter Defibrillator (AICD); AICD with CRT

Harvest Coding: 1 = None
                     2 = Permanent Pacemaker
                     3 = Permanent Pacemaker with Cardiac Resynchronization Technique (CRT)
                     4 = Automatic Implanted Cardioverter Defibrillator (AICD)
                     5 = AICD with CRT

ChangesFrom241To25x: 1. Add new field.

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Field Name: **Other Card-Arrhythmia Correction Surgery-Lead Placement**   *SeqNo:* 2460

Short Name: OCarACDL   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate which lead placement was used for the permanent pacemaker with CRT or AICD with CRT:

Epicardial: the outer most layer of the heart.
Endocardial: the inner most layer of the heart.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card-Arrhythmia Correction Surgery	*ParentShortName:* OCarACD	*ParentValue:*	= "Permanent Pacemaker with Cardiac Resynchronizati on Technique (CRT)" or "AICD with CRT"

Usual Range:

Valid Data: Epicardial; Endocardial

Harvest Coding: 1 = Epicardial
      2 = Endocardial

ChangesFrom241To25x: 1. Add new field.

Field Name:	**Other Card-Atrial Fibrillation Correction Surgery**	*SeqNo:* 2470
Short Name:	OCarAFib	*Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if one of the following atrial fibrillation correction surgeries was performed either in conjuction with or as the primary surgical procedure. The intent of both surgeries is to preclude the atria from fibrillating by disrupting the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.

  Standard Surgical Maze Procedure: Surgical procedure in which full thickness incisions are made in the atria of the heart. Sutures are then used to reapproximate the incised tissue. The resulting lesion disrupts the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.

  Other Surgical Ablative Procedure: Surgical procedure in which lesions are created in the atria of the heart by an energy source. The lesion disrupts the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.

  Combination of Standard Surgical Maze Procedure and Other Surgical Ablative Procedure.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card   *ParentShortName:* OpOCard *ParentValue:* = "Yes"

Usual Range:

Valid Data: None; Standard Surgical Maze Procedure; Other Surgical Ablative Procedure; Combination of Standard and Other Procedures

Harvest Coding: 1 = None
      2 = Standard Surgical Maze Procedure
      3 = Other Surgical Ablative Procedure
      4 = Combination of Standard and Other Procedures

ChangesFrom241To25x: 1. Add new field.

Field Name:	**Other Card-Atrial Fibrillation Correction Surgery-Energy Source**	*SeqNo:* 2480
Short Name:	OCarAFES	*Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate which energy source was used to create the lesions in the atria of the heart.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Other Card-Atrial Fibrillation Correction Surgery   *ParentShortName:* OCarAFib   *ParentValue:* = "Other Surgical Ablative Procedure" or "Combination of Standard and Other Procedures"

Usual Range:

Valid Data: Unipolar Radiofrequency; Bipolar Radiofrequency; Microwave Radiofrequency; Cryothermia Radiofrequency; Other; Combination of above

Harvest Coding: 10 = Unipolar Radiofrequency
20 = Bipolar Radiofrequency
30 = Microwave
40 = Cryothermia
98 = Other
99 = Combination of above

ChangesFrom241To25x: 1. Add new field.

Field Name: **Other Card-Pacemaker**	*SeqNo:* 2490
Short Name: OCarPace	*Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Other Cardiac Procedure - Permanent Pacemaker.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Other Card   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "(no action)" to "No Action"

Field Name: **Other Card-AICD**	*SeqNo:* 2500
Short Name: OCarAICD	*Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Other Cardiac Procedure - Automatic Implanted Cardioverter Defibrillator

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Other Card   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Chage Harvest from Yes to No.
3. Change MissingData from "(no action)" to "No Action"

Field Name: **Other Card-Ao Aneur**	*SeqNo:* 2510

Short Name: ONCAoAn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient underwent an Aortic Aneurysm repair either in conjuction with or as the primary surgical procedure. This includes disections, non-disections and ruptures of the Aorta.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                        2 = No

ChangesFrom241To25x: 1. Change FieldName from "Other Non Card-Ao Aneur" to "Other Card-Ao Aneur". (NOTE FieldName changed but not ShortName).
2. Change ParentField from "Other Non Card" to "Other Card"
3. Change definition - Entire definition text replaced.
4. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Card-Asc**   *SeqNo:* 2520

Short Name: ONCAsc   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient underwent repair of ascending aortic aneurysm either in conjuction with or as the primary surgical procedure. Aneurysm refers to pathologic dilatation of the aorta. The ascending aorta begins at the aortic annulus and ends at the origin of the innominate artery where the aorta continues as the transverse arch.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card-Ao Aneur   *ParentShortName:* ONCAoAn   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                        2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: field used to be an extended field - FieldName changed but not ShortName; parent field added.)

Field Name: **Other Card-Arch**   *SeqNo:* 2530

Short Name: ONCArch   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient underwent repair of aneurysm in the arch of the aorta either in conjuction with or as the primary surgical procedure. The arch begins at the origin of the innominate artery and ends beneath the left subclavian artery. It is the portion of the aorta at the top of the heart that gives off three important blood vessels; the innominate artery, the left carotid artery and the left subclavian artery.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card-Ao Aneur   *ParentShortName:* ONCAoAn   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes

2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: field used to be an extended field - FieldName changed but not ShortName; parent field added.)

Field Name: **Other Card-Desc**   *SeqNo:* 2540

Short Name: ONCDesc   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient underwent repair of a descending aortic aneurysm either in conjuction with or as the primary surgical procedure. The descending aorta is the portion of the aorta between the arch and the abdomen.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card-Ao Aneur   *ParentShortName:* ONCAoAn   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: field used to be an extended field - FieldName changed but not ShortName; parent field added.)

Field Name: **Other Card-Thoracoabdominal Aneurysm**   *SeqNo:* 2550

Short Name: ONCThAbd   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate if the patient underwent repair of a thoracoabdominal aneurysm either in conjuction with or as the primary surgical procedure. Thoracoabdominal aneurysms can involve the entire thoracoabdominal aorta from the origin of the left subclavian artery to the aortic bifurcation or can involve only one or more segments of the abdominal aorta.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Other Card-Ao Aneur   *ParentShortName:* ONCAoAn   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: field used to be an extended field - FieldName changed but not ShortName; parent field added.)

Field Name: **Other Card-Other**   *SeqNo:* 2560

Short Name: OCarOthr   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had an other cardiac procedure performed either in conjuction with or as the primary surgical procedure that is not included within this section.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Card   *ParentShortName:* OpOCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes

---

2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

N. Other Non Cardiac Procedures

Field Name: **Other Non Card-Caro Endart**   *SeqNo:* 2570

Short Name: ONCCarEn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient underwent surgical removal of stenotic atheromatous plaque or placement of carotid stent in conjuction with the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Non Card   *ParentShortName:* OpONCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Non Card-Other Vasc**   *SeqNo:* 2580

Short Name: ONCOVasc   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether patient had procedures treating peripheral vascular disease in conjuction with the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Non Card   *ParentShortName:* OpONCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "Report if parent is Yes and child is missing".

Field Name: **Other Non Card-Other Thor**   *SeqNo:* 2590

Short Name: ONCOThor   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether patient underwent procedures involving Thorax/Pleura in conjuction with the primary surgical procedure.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report if parent is Yes and child is missing

Parent Field: Other Non Card   *ParentShortName:* OpONCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Entire defintion text replaced.
                           2. Change MissingData from "(no action)" to "Report if parent is Yes and child is
                           missing".

- -

Field Name: **Other Non Card-Other**   *SeqNo:* 2600

Short Name: ONCOther   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient had any other non-cardiac procedure performed in conjuction with the
               primary surgical procedure that is not included within this section.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Other Non Card   *ParentShortName:* OpONCard   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field.

- -

```
                                    O. Postoperative
```

Field Name: **Blood Prod**   *SeqNo:* 2610

Short Name: BldProd   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether blood products were transfused any time postoperatively. Postoperatively is defined
               as any blood started after the initial surgery. Include blood transfused after the initial surgery,
               including any blood transfused during a reoperative surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                           2. Change MissingData from "Report" to "No Action".

- -

Field Name: **Blood Prod - RBC Units**   *SeqNo:* 2620

Short Name: BdRBCU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Red Blood Cells that were transfused any time postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Blood Prod   *ParentShortName:* BldProd   *ParentValue:* = "Yes"

Usual Range: 0 - 10

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Blood Prod - FFP Units**   *SeqNo:* 2630

Short Name: BdFFPU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Fresh Frozen Plasma that were transfused any time postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Blood Prod   *ParentShortName:* BldProd   *ParentValue:* = "Yes"

Usual Range: 0 - 10

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Blood Prod - Cryo Units**   *SeqNo:* 2640

Short Name: BdCryoU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Cryoprecipitate that were transfused any time postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Blood Prod   *ParentShortName:* BldProd   *ParentValue:* = "Yes"

Usual Range: 0 - 10

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Blood Prod - Platelet Units**   *SeqNo:* 2650

Short Name: BdPlatU   *Core:* Yes

Format: Integer   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the number of units of Platelets that were transfused any time postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Blood Prod   *ParentShortName:* BldProd   *ParentValue:* = "Yes"

Usual Range:

Valid Data: 0 - 50

Harvest Coding:

ChangesFrom241To25x: 1. Add new field.

Field Name: **Extubated In OR**   *SeqNo:* 2660

Short Name: ExtubOR   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient was extubated prior to leaving the OR during the initial surgery.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Initial Hours Ventilated**	*SeqNo:* 2670
Short Name: VentHrsI	*Core:* Yes
Format: Real number 4.1 digits e.g. 9999.9	*Harvest:* Yes
Status: Changed *ACCField:* Not mapped	

Definition: Indicate the number of initial hours post operation for which the patient was ventilated before any reintubation. Number of initial hours includes hours ventilated post-operatively until removal of the endotracheal tube or if patient has tracheostomy tube, until no longer ventilator dependent. Leave blank if the patient was extubated on the operating table. Any patient ventilated > 24 hours is coded as a Pulmonary Complication of "Prolonged Ventilation"

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Extubated in OR   *ParentShortName:* ExtubOR   *ParentValue:* = "No"

Usual Range: 1.0 - 168.0

Valid Data: 0.1 - 5000.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 4" to 'Real number 4.1 digits e.g. 9999.9"
                     2. Change ValidData from "1 - 5000" to "0.1 - 5000.0"
                     3. Change UsualRange from "1 - 168" to "1.0 - 168.0"
                     4. Change ParentField from blank to "Extubate in OR"
                     5. Change ParentValue from blank to "="No""
                     6. Change Definition - Minor text change (Change "Number of hours includes" to "Number of initial hours includes"; Change the word "till" to "until" in two places.)
                     7. Change MissingData from "Report" to "No Action".

Field Name: **Re-intubated During Hospital Stay**	*SeqNo:* 2680
Short Name: ReIntub	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes
Status: Changed *ACCField:* Not mapped	

Definition: Indicate whether the patient was reintubated during the hospital stay after the initial extubation. This may include patients who have been extubated in the OR and require intubation in the postoperative period.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                     2. Change MissingData from "(no action)" to "No Action".

Field Name: **Additional Hours Ventilated**	*SeqNo:* 2690
Short Name: VentHrsA	*Core:* Yes
Format: Real number 4.1 digits e.g. 9999.9	*Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate how many additional hours the patient was ventilated postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Re-intubated During Hospital   *ParentShortName:* ReIntub   *ParentValue:* = "Yes"
Stay

Usual Range: 1.0 - 168.0

Valid Data: 0.1 - 5000.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 4" to "Real number 4.1 digits e.g. 9999.9"
2. Change ValidData from "1 - 5000" to "0.1 - 5000.0".
3. Change UsualRange from "1 - 168" to "1.0 - 168.0"
4. Change Definition - Change lead in.
5. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Postop Vent Hours - Total**   *SeqNo:* 2700

Short Name: VentHrs   *Core:* Yes

Format: Real number 4.1 digits e.g. 9999.9   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the total number of hours including any reintubation hours. Any patient ventilated > 24 hours should be coded as a Pulmonary Complication of "Prolonged Ventilation". If extubated in the OR and no additional ventilation hours, enter zero in this field.

Data Source: User or Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range: 0.0 - 168.0

Valid Data: 0.0 - 10000.0

Harvest Coding:

ChangesFrom241To25x: 1. Change Format from "Integer length 4" to "Real number 4.1 digits e.g. 9999.9"
2. Change ValidData from "1 - 5000" to "0.0 - 10000.0".
3. Change UsualRange from "1 - 168" to "0.0 - 168.0"
4. Change Definition - Change "is coded as" to "should be coded as"; Add to end of definition "If extubated in the OR and no additional ventilation hours, enter zero in this field."; Change lead in; Change "re-intubation" to "reintubation"
5. Change MissingData from "Report" to "No Action".

P. Complications

Field Name: **Comps-Complications**   *SeqNo:* 2710

Short Name: Complics   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether a postoperative complication occured during the hospitalization for surgery. This includes the entire postoperative period up to discharge, even if over 30 days.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
2. Change MissingData from "Report" to "No Action".

Field Name: **Comps-Op-ReOp Bleed/Tamponade**   *SeqNo:* 2720

Short Name: COpReBld   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether an operative re-intervention was required for bleeding/tamponade.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Op-ReOp Vlv Dys**   *SeqNo:* 2730

Short Name: COpReVlv   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether an operative re-intervention was required for valve dysfunction.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Op-ReOp Gft Occl**   *SeqNo:* 2740

Short Name: COpReGft   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

---

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether an operative re-intervention was required for coronary graft occlusion.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                             2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Op-ReOp Other Card**   *SeqNo:* 2750

Short Name: COpReOth   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether an operative re-intervention was required for other cardiac reasons.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                             2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Op-ReOp Other Non Card**   *SeqNo:* 2760

Short Name: COpReNon   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether operative re-intervention was required for other non-cardiac reasons. This includes procedures requiring a return to the operating room such as tracheostomy, hematoma evacuation, and procedures that address the sternum. This does not include procedures performed outside the OR such as GI Lab for peg tube, shunts for dialysis, etc.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                     2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                             2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Op-Perioperative MI**   *SeqNo:* 2770

Short Name: COpPerMI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: (0-24 hours post-op)
             Indicate the presence of a peri-operative MI (0-24 hours post-op) as documented

by the following criteria:

The CK-MB (or CK if MB not available) must be greater than or equal to 5 times the upper limit of normal, with or without new Q waves present in two or more contiguous ECG leads. No symptoms required.

(> 24 hours post-op)
Indicate the presence of a peri-operative MI (> 24 hours post-op) as documented by at least one of the following criteria:

1. Evolutionary ST- segment elevations
2. Development of new Q- waves in two or more contiguous ECG leads
3. New or presumably new LBBB pattern on the ECG
4. The CK-MB (or CK if MB not available) must be greater than or equal to 3 times the upper limit of normal

Because normal limits of certain blood tests may vary, please check with your lab for normal limits for CK-MB and total CK.

Defining Reference Control Values (Upper Limit of Normal):
Reference values must be determined in each laboratory by studies using specific assays with appropriate quality control, as reported in peer-reviewed journals. Acceptable imprecision (coefficient of variation) at the 99th percentile for each assay should be defined as < or = to 10%. Each individual laboratory should confirm the range of reference values in their specific setting.
_____

This element should not be coded as an adverse event for evolving MI's unless their enzymes peak, fall, then have a second peak.

Data Source: User　　　　　　　*Default:* (null/blank = missing)　*Missing Data:* No Action

Parent Field: Comps-Complications　　　*ParentShortName:* Complics　　*ParentValue:* = "Yes"

Usual Range:

Valid Data:　　Yes; No

Harvest Coding:　　1 = Yes
　　　　　　　　　2 = No

ChangesFrom241To25x:　1. Change Definition - Entire definition text replaced.
　　　　　　　　　　　2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Infect-Stern Deep**	*SeqNo:* 2780
Short Name: CIStDeep	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes

Status: Changed　　　　　　　　　　　*ACCField:* Not mapped

Definition: Indicate whether patient had a deep sternal infection involving muscle, bone, and/or mediastinum REQUIRING OPERATIVE INTERVENTION.
　　Must have ALL of the following conditions:
　　1. Wound opened with excision of tissue (I&D) or re-exploration of mediastinum
　　2. Positive culture
　　3. Treatment with antibiotics

Data Source: User　　　　　　　*Default:* (null/blank = missing)　*Missing Data:* No Action

Parent Field: Comps-Complications　　　*ParentShortName:* Complics　　*ParentValue:* = "Yes"

Usual Range:

Valid Data:　　Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Infect-Thoracotomy**   *SeqNo:* 2790

Short Name: CIThor   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had an infection involving a thoracotomy or parasternal site.
          Must have one of the following conditions:
          1. Wound opened with excision of tissue (I&D)
          2. Positive culture
          3. Treatment with antibiotics

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Infect-Leg**   *SeqNo:* 2800

Short Name: CILeg   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had an infection involving a leg vein harvest site.
          Must have one of the following conditions:
          1. Wound opened with excision of tissue (I&D)
          2. Positive culture
          3. Treatment with antibiotics

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Infect-Septicemia**   *SeqNo:* 2810

Short Name: CISeptic   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had Septicemia (requires positive blood cultures) postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Infect-UTI**   *SeqNo:* 2820

Short Name: CIUTI   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: UTI-Urinary Tract Infection (Positive Urine Cultures) postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No
                                          2. Change Harvest from Yes to No.
                                          3. Change MissingData from "(no action)" to "No Action"

Field Name: **Comps-Neuro-Stroke Perm**   *SeqNo:* 2830

Short Name: CNStrokP   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient had a central neurologic deficit persisting postoperatively for > 72 hours.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (Add the word "postoperatively"; change
                                          lead in)
                                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Neuro-Stroke Trans**   *SeqNo:* 2840

Short Name: CNStrokT   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a postoperatively transient neurologic deficit (Transient Ischemic
                    Attack (TIA) recovery within 24 hours; Reversible Ischemic Neurologic Deficit (RIND) recovery
                    within 72 hours).

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                                  2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (Add the word "postoperatively"; change lead in)
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Neuro-Cont Coma >=24Hrs**   *SeqNo:* 2850

Short Name: CNComa   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a new postoperative coma that persists for at least 24 hours secondary to anoxic/ischemic and/or metabolic encephalopathy, thromboembolic event or cerebral bleed.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                 2 = No

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
                        2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Pulm-Vent Prolonged**   *SeqNo:* 2860

Short Name: CPVntLng   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had Pulmonary Insufficiency requiring ventilator. Include (but not limited to) causes such as ARDS and pulmonary edema and/or any patient requiring mechanical ventilation > 24 hours postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                 2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                        2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Pulm-Pulm Embolism**   *SeqNo:* 2870

Short Name: CPPulEmb   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a Pulmonary Embolism diagnosed by study such as V/Q scan, angiogram, or spiral CT.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                 2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (Change "or angiogram" to ", angiogram or

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spiral CT"; change lead in)
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Pulm-Pneumonia**		*SeqNo:* 2880
Short Name: CPPneum		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether the patient had Pneumonia diagnosed by any of the following: positive cultures of sputum, transtracheal fluid, bronchial washings, and/or clinical findings consistent with the diagnosis of pneumonia. May include chest X-ray diagnostic of pulmonary infiltrates.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Renal-Renal Failure**		*SeqNo:* 2890
Short Name: CRenFail		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Mapped - Definition only	

Definition: Indicate whether the patient had acute or worsening renal failure resulting in one or more of the following:
1. increase of serun creatinine to > 2.0 and 2x most recent preoperative creatinine level.
2. A new requirement for dialysis postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                          2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Renal-Dialysis Req**		*SeqNo:* 2900
Short Name: CRenDial		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether the patient had a new requirement for dialysis postoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Renal-Renal Failure   *ParentShortName:* CRenFail   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                  2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                          2. Change ParentField from "Comps-Complications" to "Comps-Renal-Renal Failure"

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3. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Vasc-Illiac/Fem Dissect**   *SeqNo:* 2910

Short Name: CVaIlFem   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a dissection occurring in the iliac or femoral arteries.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                         2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Vasc-Acute Limb Isch**   *SeqNo:* 2920

Short Name: CVaLbIsc   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had any complication producing limb ischemia. This may include upper or lower limb ischemia.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - More text added and change lead in.
                         2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-Heart Block**   *SeqNo:* 2930

Short Name: COtHtBlk   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a new heart block requiring the implantation of a permanent pacemaker of any type prior to discharge.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (Change "pacemaker prior to discharge" to "pacemaker of any type prior to discharge"; Change lead in).
                         2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-Card Arrest**   *SeqNo:* 2940

Short Name: COtArrst   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a cardiac arrest documented by one of the following:
       a. ventricular fibrillation
       b. rapid ventricular tachycardia with hemodynamic instability
       c. asystole

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
               2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
               2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-Anticoag Comps**   *SeqNo:* 2950

Short Name: COtCoag   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had bleeding, hemorrhage, and/or embolic events related to anticoagulant therapy postoperatively. This may include patients who experience Disseminated Intravascular Coagulopathy (DIC) or Heparin Induced Thrombocytopenia (HIT).

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
               2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
               2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-Tamponade**   *SeqNo:* 2960

Short Name: COtTamp   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate whether the patient had fluid in the pericardial space compromising cardiac filling, and requiring intervention other than returning to the OR such as pericardialcentesis. This should be documented by either:
1. echo showing pericardial fluid and signs of tamponade such as right heart compromise, or
2. systemic hypotension due to pericardial fluid compromising cardiac function

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
               2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
               2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-GI Comps**   *SeqNo:* 2970

Short Name: COtGI   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a postoperative occurrence of any GI complication including:
    a. GI bleeding requiring transfusion
    b. pancreatitis with abnormal amylase/lipase requiring nasogastric (NG) suction therapy
    c. cholecystitis requiring cholecystectomy or drainage
    d. mesenteric ischemia requiring exploration
    e. other GI complication

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                           2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-Multi Sys Fail**   *SeqNo:* 2980

Short Name: COtMSF   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had two or more major organ systems suffer compromised functions.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                           2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-A Fib**   *SeqNo:* 2990

Short Name: COtAFib   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient had a new onset of atrial fibrillation/flutter (AF) requiring treatment.
Does not include recurrence of AF which had been present preoperatively.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                    2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                           2. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Ao Dissect**   *SeqNo:* 3000

Short Name: CVaAoDis
Core: Yes

Format: Text (categorical values specified by STS)
Harvest: Yes

Status: Changed
ACCField: Not mapped

Definition: Indicate whether the patient had a dissection occurring in any part of the aorta.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                            2 = No

ChangesFrom241To25x: 1. Change FieldName from "Comps-Vasc-Ao Dissect" to "Comps-Ao Dissect".
(NOTE, only FieldName is changed, not ShortName).
2. Change Definition - Change lead in.
3. Change MissingData from "(no action)" to "No Action".

Field Name: **Comps-Other-Other**
SeqNo: 3010

Short Name: COtOther
Core: Yes

Format: Text (categorical values specified by STS)
Harvest: Yes

Status: New
ACCField: Not mapped

Definition: Indicate whether a postoperative complication occurred that is not identifed in the categories above yet impacts hospital length of stay and/or outcome.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Comps-Complications   *ParentShortName:* Complics   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                            2 = No

ChangesFrom241To25x: 1. Add new field (NOTE: this was an extended field in v2.35).

Q. Mortality

Field Name: **Mort-Mortality**
SeqNo: 3020

Short Name: Mortalty
Core: Yes

Format: Text (categorical values specified by STS)
Harvest: Yes

Status: Changed
ACCField: Not mapped

Definition: Indicate whether the patient has been declared dead.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* Report & Warn

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                            2 = No

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.

Field Name: **Mort-DC Status**
SeqNo: 3030

Short Name: MtDCStat
Core: Yes

Format: Text (categorical values specified by STS)
Harvest: Yes

Status: Changed
ACCField: Mapped - Definition only

Definition: Indicate whether the patient was alive or dead at discharge from the hospitalization in which surgery occurred.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* Report & Warn
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Alive; Dead

Harvest Coding: 1 = Alive
                         2 = Dead

ChangesFrom241To25x: 1. Change Definition - Change lead in.

Field Name: **Mort-30d Status**	*SeqNo:* 3040
Short Name: Mt30Stat	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes
Status: Changed *ACCField:* Not mapped	

Definition: Indicate whether the patient was alive or dead at 30 days post surgery (whether in hospital or not).

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* Report & Warn
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Alive; Dead; Unknown

Harvest Coding: 1 = Alive
                         2 = Dead
                         3 = Unknown

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change ValidData - Add "Unknown" option
                            3. Change HarvestCoding - Add "3 = Unknown" option.

Field Name: **Mort-Op Death**	*SeqNo:* 3050
Short Name: MtOpD	*Core:* Yes
Format: Text (categorical values specified by STS)	*Harvest:* Yes
Status: Changed *ACCField:* Not mapped	

Definition: Indicate whether the patient had an Operative Mortality: Includes both (1) all deaths occurring during the hospitalization in which the operation was performed, even if after 30 days; and (2) those deaths occurring after discharge from the hospital, but within 30 days of the procedure unless the cause of death is clearly unrelated to the operation.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* Report & Warn if parent is Yes and child is missing
Parent Field: Mort-Mortality	*ParentShortName:* Mortalty	*ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                         2 = No

ChangesFrom241To25x: 1. Change Definition - Change lead in.
                            2. Change MissingData from "Report & Warn if parent is yes and child is null" to "Report & Warn if parent is Yes and child is missing".

Field Name: **Mort-Date**	*SeqNo:* 3060
Short Name: MtDate	*Core:* Yes
Format: Date mm/dd/yyyy	*Harvest:* Yes
Status: Changed *ACCField:* Mapped - Definition and coding	

Definition: Indicate the date the patient was diagnosed clinically dead.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:*	Report & Warn if parent is Yes and child is missing

Parent Field: Mort-Mortality   *ParentShortName:* Mortalty   *ParentValue:* = "Yes"

Usual Range: (Within 1 year before system date)

Valid Data: (Between Discharge and system date)

Harvest Coding:

ChangesFrom241To25x:
1. Change Definition - Entire definition text replaced.
2. Change MissingData from "Report & Warn if parent is yes and child is null" to "Report & Warn if parent is Yes and child is missing".

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Field Name: **Mort-Location**   *SeqNo:* 3070

Short Name: MtLocatn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the patient's location at time of death:
Operating Room (OR) during initial surgery
Hospital (Other than Operating Room)
Home
Other Care Facility
Operating Room (OR) during reoperation

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:*	Report & Warn if parent is Yes and child is missing

Parent Field: Mort-Mortality   *ParentShortName:* Mortalty   *ParentValue:* = "Yes"

Usual Range:

Valid Data: OR during initial surgery; Hospital; Home; Other Care Facility; OR during reoperation

Harvest Coding:
1 = OR during initial surgery
2 = Hospital
3 = Home
4 = Other Care Facility
5 = OR during reoperation

ChangesFrom241To25x:
1. Change Definition - Add "during initial surgery" to Operating Room option; Add "Operating Room (OR) during reoperation" to end of list of options; Change lead in.
2. Change ValidData from "OR; Hosp; Home; Other Facility" to "OR during initial surgery; Hospital; Home; Other Care Facility; OR during reoperation"
3. Change HarvestCoding from "1 = OR; 2 = Hosp; 3 = Home; 4 = Other Facility" to "1 = OR during initial surgery;2 = Hospital; 3 = Home; 4 = Other Care Facility; 5 = OR during reoperation"
4. Change MissingData from "Report & Warn if parent is yes and child is null" to "Report & Warn if parent is Yes and child is missing".

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Field Name: **Mort-Prim Cause**   *SeqNo:* 3080

Short Name: MtCause   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition and coding

Definition: Indicate the PRIMARY cause of death, i.e. the first significant abnormal event which ultimately led to death; choose one of the following:
Cardiac
Neurologic

Renal
Vascular
Infection
Pulmonary
Valvular
Unknown
Other

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* Report & Warn if parent is Yes and child is missing

Parent Field: Mort-Mortality *ParentShortName:* Mortalty *ParentValue:* = "Yes"

Usual Range:

Valid Data: Cardiac; Neurologic; Renal; Vascular; Infection; Pulmonary; Valvular; Unknown; Other

Harvest Coding: 1 = Cardiac
      2 = Neurologic
      3 = Renal
      4 = Vascular
      5 = Infection
      6 = Pulmonary
      7 = Valvular
      700 = Unknown
      777 = Other

ChangesFrom241To25x: 1. Change Definition - Minor text change (Add "Unknown" option; Change lead in)
      2. Change ValidData - Add "Unknown" option
      3. Change HarvestCoding - Add "700 = Unknown" option
      4. Change MissingData from "Report & Warn if parent is yes and child is null" to "Report & Warn if parent is Yes and child is missing".

R. Discharge

Field Name: **ADP Inhibitors - Discharge**   *SeqNo:* 3090

Short Name: DCADP   *Core:* Yes

Format: Text (categorical values specified by STS) *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether or not the patient was discharged from facility on ADP Inhibitors.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status *ParentShortName:* MtDCStat *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
      2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Antiarrhythmics - Discharge**   *SeqNo:* 3100

Short Name: DCAArhy   *Core:* Yes

Format: Text (categorical values specified by STS) *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether or not the patient was discharged from facility on Antiarrhythmics.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status *ParentShortName:* MtDCStat *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Antiarrhythmics - Discharge - Medication Name**   *SeqNo:* 3110

Short Name: DCAArMN   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the name of the Antiarrhythmic medication the patient was on when discharged from the facility.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Antiarrhythmics - Discharge   *ParentShortName:* DCAArhy   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Amiodarone; Other

Harvest Coding: 1 = Amiodarone
                      2 = Other

ChangesFrom241To25x: 1. Add new field.

Field Name: **DC Meds-Aspirin**   *SeqNo:* 3120

Short Name: DCASA   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether or not the patient was discharged from facility on Aspirin or Ecotrin.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change ParentField from blank to "Mort-DC Status"
                           2. Change ParentValue from blank to '="Alive"'
                           3. Change Definition - Minor text change (Change "ASA" to "Aspirin or Ecotrin").
                           4. Change MissingData from "Report" to "No Action".

Field Name: **Ace-Inhibitors - Discharge**   *SeqNo:* 3130

Short Name: DCACE   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether or not the patient was discharged from facility on ACE- Inhibitors.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change ParentField from blank to "Mort-DC Status"
                           2. Change ParentValue from blank to '="Alive"'

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3. Change MissingData from "Report" to "No Action".

Field Name: **Beta Blockers - Discharge**		*SeqNo:* 3140
Short Name: DCBeta		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether or not the patient was discharged on beta blockers.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                   2 = No

ChangesFrom241To25x: 1. Change ParentField from blank to "Mort-DC Status"
                               2. Change ParentValue from blank to '="Alive"'
                               3. Change MissingData from "Report" to "No Action".

Field Name: **Lipid Lowering - Discharge**		*SeqNo:* 3150
Short Name: DCLipid		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: Changed	*ACCField:* Not mapped	

Definition: Indicate whether or not the patient was discharged from facility on any lipid lowering medication.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                   2 = No

ChangesFrom241To25x: 1. Change ParentField from blank to "Mort-DC Status"
                               2. Change ParentValue from blank to '="Alive"'
                               3. Change MissingData from "Report" to "No Action".

Field Name: **Lipid Lowering - Discharge - Medication Type**		*SeqNo:* 3160
Short Name: DCLipMT		*Core:* Yes
Format: Text (categorical values specified by STS)		*Harvest:* Yes
Status: New	*ACCField:* Not mapped	

Definition: Indicate the type of Lipid Lowering medication the patient was on when discharged from the facility.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Lipid Lowering - Discharge   *ParentShortName:* DCLipid   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Statin; Non statin

Harvest Coding: 1 = Statin
                   2 = Non statin

ChangesFrom241To25x: 1. Add new field.

Field Name: **Other Antiplatelets - Discharge**		*SeqNo:* 3170
Short Name: DCAntPlt		*Core:* No
Format: Text (categorical values specified by STS)		*Harvest:* No

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Status: Extended   *ACCField:* Not mapped

Definition: Indicate whether or not the patient was discharged from facility on Other Anti-platelets.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                       2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
                         2. Change Harvest from Yes to No.
                         3. Change MissingData from "Report" to "No Action"

Field Name: **Coumadin - Discharge**   *SeqNo:* 3180

Short Name: DCCoum   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether the patient was discharged from the facility on Coumadin.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                       2 = No

ChangesFrom241To25x: 1. Add new field.

Field Name: **Discharge Location**   *SeqNo:* 3190

Short Name: DisLoctn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Mapped - Definition only

Definition: Indicate the location to where the patient was discharged.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Home; Extended Care/TCU; Other Hospital; Nsg Home; Other

Harvest Coding: 1 = Home
                       2 = Extended Care/TCU
                       3 = Other Hospital
                       4 = Nursing Home
                       777 = Other

ChangesFrom241To25x: 1. Change ParentField from blank to "Mort-DC Status"
                         2. Change ParentValue from blank to '="Alive"'
                         3. Change Definition - Change lead in.
                         4. Change MissingData from "Report" to "No Action".

Field Name: **Cardiac Rehabilitation Referral**   *SeqNo:* 3200

Short Name: CardRef   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether, prior to discharge from the acute care facility, the patient received a referral to an

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outpatient cardiac rehabilitation program. Please select "Not Applicable" for those patients deemed inappropriate due to physical, mental or other limitations.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No; Not Applicable

Harvest Coding: 1 = Yes
                      2 = No
                      3 = Not Applicable

ChangesFrom241To25x: 1. Add new field.

Field Name: **Smoking Cessation Counseling**   *SeqNo:* 3210

Short Name: SmokCoun   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate whether, prior to discharge from the acute care facility, the patient received smoking cessation counseling. Please select "Not Applicable" for those patients with no prior history of smoking.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No; Not Applicable

Harvest Coding: 1 = Yes
                      2 = No
                      3 = Not Applicable

ChangesFrom241To25x: 1. Add new field.

```
                              S. Readmission
```

Field Name: **Readmit <=30 Days from DOP**   *SeqNo:* 3220

Short Name: Readm30   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate whether the patient was readmitted as an in-patient within 30 days from the date of initial surgery for ANY reason.

Data Source: User   *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: Mort-DC Status   *ParentShortName:* MtDCStat   *ParentValue:* = "Alive"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
                      2 = No

ChangesFrom241To25x: 1. Change Definition - Minor text change (Add the word "initial" before the word "surgery"; change lead in.)
2. Change ParentField from blank to "In Hospital Mortality".
3. Change ParentValue from blank to "="No"".
4. Change MissingData from "Report" to "No Action".

Field Name: **Readmit Reason**   *SeqNo:* 3230

Short Name: ReadmRsn   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the primary reason that the patient was readmitted as an in-patient within 30 days from the date of initial surgery (select one):

        Anticoagulation Complication - Valvular
        Anticoagulation Complication - Pharmacological
        Arrythmias/Heart Block
        Congestive Heart Failure
        Myocardial Infarction and/or Recurrent Angina
        Pericardial Effusion and/or Tamponade
        Pneumonia or other Respiratory Complication
        Coronary Artery Dysfunction
        Valve Dysfunction
        Infection - Deep Sternum
        Infection - Conduit Harvest Site
        Renal Failure
        TIA
        Permanent CVA
        Acute Vascular Complication
        Subacute Endocarditis
        VAD Complication
        Other - Related Readmission
        Other - Nonrelated Readmission

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Readmit <=30 Days from   *ParentShortName:* Readm30   *ParentValue:* = "Yes"
DOP

Usual Range:

Valid Data: Anticoagulation Complication - Valvular
        Anticoagulation Complication - Pharmacological
        Arrythmias/Heart Block
        Congestive Heart Failure
        Myocardial Infarction and/or Recurrent Angina
        Pericardial Effusion and/or Tamponade
        Pneumonia or other Respiratory Complication
        Coronary Artery Dysfunction
        Valve Dysfunction
        Infection - Deep Sternum
        Infection - Conduit Harvest Site
        Renal Failure
        TIA
        Permanent CVA
        Acute Vascular Complication
        Subacute Endocarditis
        VAD Complication
        Other - Related Readmission
        Other - Nonrelated Readmission

Harvest Coding: 20 = Anticoagulation Complication - Valvular
        21 = Anticoagulation Complication - Pharmacological
        2 = Arrythmias/Heart Block
        3 = Congestive Heart Failure
        5 = Myocardial Infarction and/or Recurrent Angina
        6 = Pericardial Effusion and/or Tamponade
        7 = Pneumonia or other Respiratory Complication
        22 = Coronary Artery Dysfunction
        8 = Valve Dysfunction
        9 = Infection - Deep Sternum

              23 = Infection - Conduit Harvest Site
              14 = Renal Failure
              15 = TIA
              18 = Permanent CVA
              19 = Acute Vascular Complication
              24 = Subacute Endocarditis
              25 = VAD Complication
              998 = Other - Related Readmission
              999 = Other - Nonrelated Readmission

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change ValidData - Note: choices should be displayed to user in order defined in ValidData.
Remove options: "Anticoagulant Complication", "Infection - Leg", "Cardiac catheterization", "PTCA", "Stent", "Reop for Graft Occlusion", "Reop for Bleeding", "Other Complication (e.g. hepatic, gi, etc)"
Change options: "Arryhthmias/Heart Block/Pacemaker Insertion/AICD" to "Arrythmias/Heart Block", "Congestive Heart Failure (CHF)" to "Congestive Heart Failure", "Myocardial Infarction (MI) and/or Recurrent Angina" to "Myocardial Infarction and/or Recurrent Angina".
Add options: "Anticoagulation Complication - Valvular", "Anticoagulation Complication - Pharmacological", "Coronary Artery Dysfunction", "Infection - Conduit Harvest Site", "Subacute Endocarditis", "VAD Complication", "Other - Related Readmission", "Other - Nonrelated Readmission"
3. Change HarvestCoding - Please be careful of difference between order choices are displayed vs. the harvest codes.
Remove options: "1 = Anticoagulant Complication", "10 = Infection - Leg", "11 = Cardiac catheterization", "12 = PTCA", "13 = Stent", "16 = Reop for Graft Occlusion", "17 = Reop for Bleeding", "777 = Other Complication (e.g. hepatic, gi, etc)"
Change options: "2 = Arryhthmias/Heart Block/Pacemaker Insertion/AICD" to "2 = Arrythmias/Heart Block", "3 = Congestive Heart Failure (CHF)" to "3 = Congestive Heart Failure", "5 = Myocardial Infarction (MI) and/or Recurrent Angina" to "5 = Myocardial Infarction and/or Recurrent Angina".
Add options: "20 = Anticoagulation Complication - Valvular", "21 = Anticoagulation Complication - Pharmacological", "22 = Coronary Artery Dysfunction", "23 = Infection - Conduit Harvest Site", "24 = Subacute Endocarditis", "25 = VAD Complication", "998 = Other - Related Readmission", "999 = Other - Nonrelated Readmission"
4. Change MissingData from "Report if parent is yes and child is null" to "No Action".

Field Name: **Readmit Reason - Primary Procedure**   *SeqNo:* 3240

Short Name: ReadmPro   *Core:* Yes

Format: Text (categorical values specified by STS)   *Harvest:* Yes

Status: New   *ACCField:* Not mapped

Definition: Indicate the primary procedure that the patient received after being readmitted as an in-patient within 30 days from the date of initial surgery (select one):

       OR for Bleeding
       Pacemaker insertion/AICD
       PCI
       Pericardiotomy/Pericardiocentesis
       OR for Coronary Arteries
       OR for Valve
       OR for Sternal Debridement/Muscle Flap
       Dialysis
       OR for Vascular
       No Procedure Performed

Other Procedure
Unknown

Data Source: User | *Default:* (null/blank = missing) | *Missing Data:* No Action

Parent Field: Readmit <=30 Days from DOP | *ParentShortName:* Readm30 | *ParentValue:* = "Yes"

Usual Range:

Valid Data: OR for Bleeding
Pacemaker insertion/AICD
PCI
Pericardiotomy/Pericardiocentesis
OR for Coronary Arteries
OR for Valve
OR for Sternal Debridement/Muscle Flap
Dialysis
OR for Vascular
No Procedure Performed
Other Procedure
Unknown

Harvest Coding: 10 = OR for Bleeding
20 = Pacemaker insertion/AICD
30 = PCI
40 = Pericardiotomy/Pericardiocentesis
50 = OR for Coronary Arteries
60 = OR for Valve
70 = OR for Sternal Debridement/Muscle Flap
80 = Dialysis
90 = OR for Vascular
700 = No Procedure Performed
710 = Other Procedure
720 = Unknown

ChangesFrom241To25x: 1. Add new field.

T. Risk Scores

Field Name: **Predicted Risk of Mortality** | *SeqNo:* 3250

Short Name: PredMort | *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for display, and at least 0.5 digits (5 decimal places e.g. .99999) for harvest and validation. | *Harvest:* Yes

Status: Changed | *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Mortality

Data Source: Calculated | *Default:* (null/blank = missing) | *Missing Data:* No Action

Parent Field: | *ParentShortName:* | *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Deep Sternal Wound Infx** | *SeqNo:* 3260

Short Name: PredDeep | *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for display, and at least 0.5 digits (5 decimal places e.g. .99999) for | *Harvest:* Yes

harvest and validation.

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Deep Sternal Wound Infection

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                         2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Reoperation**   *SeqNo:* 3270

Short Name: PredReop   *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for   *Harvest:* Yes
          display, and at least 0.5 digits (5 decimal places e.g. .99999) for
          harvest and validation.

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Reoperation

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                         2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Permanent Stroke**   *SeqNo:* 3280

Short Name: PredStro   *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for   *Harvest:* Yes
          display, and at least 0.5 digits (5 decimal places e.g. .99999) for
          harvest and validation.

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Permanent Stroke

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
                         2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Prolonged Ventilation**   *SeqNo:* 3290

Short Name: PredVent   *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for   *Harvest:* Yes
          display, and at least 0.5 digits (5 decimal places e.g. .99999) for
          harvest and validation.

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Prolonged Ventilation

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field:	*ParentShortName:* *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Renal Failure**   *SeqNo:* 3300

Short Name: PredRenF   *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for display, and at least 0.5 digits (5 decimal places e.g. .99999) for harvest and validation.   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Renal Failure

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Morbidity or Mortality**   *SeqNo:* 3310

Short Name: PredMM   *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for display, and at least 0.5 digits (5 decimal places e.g. .99999) for harvest and validation.   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Morbidity or Mortality

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
2. Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Short Length of Stay**   *SeqNo:* 3320

Short Name: Pred6D   *Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for display, and at least 0.5 digits (5 decimal places e.g. .99999) for harvest and validation.   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Short Length of Stay

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
            2 Change MissingData from "(no action)" to "No Action".

Field Name: **Predicted Long Length of Stay**		*SeqNo:* 3330
Short Name: Pred14D		*Core:* Yes

Format: Real number, at least 0.3 digits (3 decimal places e.g. .999) for display, and at least 0.5 digits (5 decimal places e.g. .99999) for harvest and validation.   *Harvest:* Yes

Status: Changed   *ACCField:* Not mapped

Definition: Indicate the Predicted Risk of Long Length of Stay

Data Source: Calculated   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: (calculated)

Harvest Coding:

ChangesFrom241To25x: 1. Change Definition - Entire definition text replaced.
            2. Change MissingData from "(no action)" to "No Action".

X. Operative Techniques

Field Name: **Cardiopulmonary Bypass Used**   *SeqNo:* 3340

Short Name: CPBUsed   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate if Cardiopulmonary Bypass was used at anytime during the procedure

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
              2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
            2. Change Harvest from Yes to No.
            3. Change MissingData from "Report" to "No Action"

Field Name: **Conversion to CPB**   *SeqNo:* 3350

Short Name: ConvCPB   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate whether the patient needed to be placed on cardiopulmonary bypass after the off-pump procedure was attempted.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: Cardiopulmonary Bypass Used   *ParentShortName:*   *ParentValue:* = "Yes"

Usual Range:

Valid Data: Yes; No

Harvest Coding: 1 = Yes
              2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.

2. Change Harvest from Yes to No.
3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Indication**   *SeqNo:* 3360

Short Name: IndMnInv   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Select the primary indication why the minimally invasive approach was chosen:
Not minimally invasive.
Surgeon and/or patient choice.
Contraindication to standard approach.
Combined with Catheter Intervention.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Not minimally invasive; Surg/Pat Choice; Contraind Std Approach; Comb Cath Intervention

Harvest Coding: 0 = Not minimally invasive
1 = Surg/Pat Choice
2 = Contraind Std Approach
3 = Comb Cath Intervention

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report" to "No Action"

Field Name: **Primary Incision**   *SeqNo:* 3370

Short Name: PrimInc   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Select the primary incision used as the initial intention for treatment:
Full Sternotomy
Partial Sternotomy
Transverse Sternotomy
Right Vertical Parasternal
Left Vertical Parasternal
Right Ant Thoracotomy
Left Ant Thoracotomy
Posterolateral Thoracotomy
Xiphoid
Epigastric
Subcostal

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: Full Sternotomy; Partial Sternotomy; Transverse Sternotomy; Right Vertical Parasternal; Left Vertical Parasternal; Right Ant Thoracotomy; Left Ant Thoracotomy; Posterolateral Thoracotomy; Xiphoid; Epigastric; Subcostal

Harvest Coding: 1 = Full Sternotomy
2 = Partial Sternotomy
3 = Transverse Sternotomy
4 = Right Vertical Parasternal
5 = Left Vertical Parasternal
6 = Right Ant Thoracotomy
7 = Left Ant Thoracotomy

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8 = Posterolateral Thoracotomy
9 = Xiphoid
10 = Epigastric
11 = Subcostal

ChangesFrom241To25x: 1. Change Core from Yes to No.
  2. Change Harvest from Yes to No.
  3. Change MissingData from "Report" to "No Action"

Field Name: **Total Number of Incisions**		*SeqNo:* 3380
Short Name: NumIncis		*Core:* No
Format: Integer length 1		*Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Total number of incisions, including portholes in chest and other locations such as groin or neck, for cannulation or instrumentation access.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:* *ParentValue:*

Usual Range:

Valid Data: 1 - 9

Harvest Coding:

ChangesFrom241To25x: 1. Change Core from Yes to No.
  2. Change Harvest from Yes to No.
  3. Change MissingData from "Report" to "No Action"

Field Name: **Conversion to Std Incision**		*SeqNo:* 3390
Short Name: CnvStdIn		*Core:* No
Format: Text (categorical values specified by STS)		*Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate whether the minimally invasive incision was converted to a full median sternotomy.

Data Source: User *Default:* (null/blank = missing) *Missing Data:* No Action

Parent Field: *ParentShortName:* *ParentValue:*

Usual Range:

Valid Data: Not minimally invasive; Yes; No

Harvest Coding: 0 = Not minimally invasive
  1 = Yes
  2 = No

ChangesFrom241To25x: 1. Change Core from Yes to No.
  2. Change Harvest from Yes to No.
  3. Change MissingData from "Report" to "No Action"

Field Name: **Conversion Indication**		*SeqNo:* 3400
Short Name: CnvIndic		*Core:* No
Format: Text (categorical values specified by STS)		*Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: If a minimally invasive incision was made but then converted to a standard median sternotomy, select the primary indication for the conversion to full median sternotomy:
Not minimally invasive
Inadequate Exposure
Bleeding
Rhythm Problems
Hypotension
Conduit Trauma or Quality.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field: Conversion to Std Incision	*ParentShortName:*	*ParentValue:* = "Yes"

Usual Range:

Valid Data: Not minimally invasive; Exposure; Bleeding; Rhythm; Hypotension; Conduit

Harvest Coding:
    0 = Not minimally invasive
    1 = Exposure
    2 = Bleeding
    3 = Rhythm
    4 = Hypotension
    5 = Conduit

ChangesFrom241To25x:
    1. Change Core from Yes to No.
    2. Change Harvest from Yes to No.
    3. Change MissingData from "Report if parent is yes and child is null" to "No Action"

Field Name: **Intracoronary Shunt Used**	*SeqNo:* 3410
Short Name: CorShunt	*Core:* No
Format: Text (categorical values specified by STS)	*Harvest:* No
Status: Extended *ACCField:* Not mapped	

Definition: Intracoronary Shunt was used during distal anastomoses.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Yes; No

Harvest Coding:
    1 = Yes
    2 = No

ChangesFrom241To25x:
    1. Change Core from Yes to No.
    2. Change Harvest from Yes to No.
    3. Change MissingData from "Report" to "No Action"

Field Name: **Suture Technique**	*SeqNo:* 3420
Short Name: SutrTech	*Core:* No
Format: Text (categorical values specified by STS)	*Harvest:* No
Status: Extended *ACCField:* Not mapped	

Definition: Primary suture technique used for distal anastomoses.

Data Source: User	*Default:* (null/blank = missing)	*Missing Data:* No Action
Parent Field:	*ParentShortName:*	*ParentValue:*

Usual Range:

Valid Data: Running; Interrupted; Stapler; Combination

Harvest Coding:
    1 = Running
    2 = Interrupted
    3 = Stapler
    4 = Combination

ChangesFrom241To25x:
    1. Change Core from Yes to No.
    2. Change Harvest from Yes to No.
    3. Change MissingData from "Report" to "No Action"

Field Name: **Vessel Stabilization**	*SeqNo:* 3430
Short Name: VslStblz	*Core:* No
Format: Text (categorical values specified by STS)	*Harvest:* No
Status: Extended *ACCField:* Not mapped	

Definition: Indicate if any technique was used for coronary artery stabilization during the anastomoses, and which one:
None
Suture Snare
Suction Device
Compression
Other

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: None; Suture Snare; Suction Device; Compression; Other

Harvest Coding: 1 = None
2 = Suture Snare
3 = Suction Device
4 = Compression
777 = Other

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report" to "No Action"

- - -

Field Name: **Flow/Patency Check**   *SeqNo:* 3440

Short Name: FlowPtcy   *Core:* No

Format: Text (categorical values specified by STS)   *Harvest:* No

Status: Extended   *ACCField:* Not mapped

Definition: Indicate if any flow/patency study was done in the acute perioperative period, and what type. (Do not include any late followup studies). Select one:
None;
IntraOperative Doppler study;
IntraOperative Angiogram;
Postoperative Angiogram;
Postoperative Doppler study.

Data Source: User   *Default:* (null/blank = missing)   *Missing Data:* No Action

Parent Field: *ParentShortName:*   *ParentValue:*

Usual Range:

Valid Data: None; IntraOp Doppler; IntraOp Angio; Postop Angio; Postop Doppler

Harvest Coding: 1 = None
2 = IntraOp Doppler
3 = IntraOp Angio
4 = Postop Angio
5 = Postop Doppler

ChangesFrom241To25x: 1. Change Core from Yes to No.
2. Change Harvest from Yes to No.
3. Change MissingData from "Report" to "No Action"