A. Administrative

Field Name: **Software Vendor Name**
Short Name: VendorID *SeqNo:* 10
Status: Continued *Core:* Yes
Format: Text length 8 *Harvest:* Yes
Data Source: Automatic
Default: (assigned value)
Parent Field:
ParentValue:
Missing Data: Illegal
Valid Data: (assigned value, automatically inserted by software)
Usual Range:
Description: Software Vendor's Name Identification
Definition: Name (assigned by STS) given to identify software vendor (up to 8 characters).
Harvest Coding:

Vendor Notes: **Vendors should use standard name identification across sites. Changes to Vendor Name Identification must be approved by the STS.**

Field Name: **Software Version**
Short Name: SoftVrsn *SeqNo:* 20
Status: Continued *Core:* Yes
Format: Text length 20 *Harvest:* Yes
Data Source: Automatic
Default: (assigned value)
Parent Field:
ParentValue:
Missing Data: Illegal
Valid Data: (assigned value, automatically inserted by software)
Usual Range:
Description: Vendor's software version (name and number).
Definition: Vendor's software product name and version number identifying the software which created this record (assigned by vendor).
Harvest Coding:

Vendor Notes: **Vendor controlled field. Version passing harvest testing will be noted at warehouse.**

Field Name: **STS Data Version**
Short Name: DataVrsn *SeqNo:* 30
Status: Continued *Core:* Yes
Format: Text length 8 *Harvest:* Yes
Data Source: Automatic

Default: (assigned value)

Parent Field:

ParentValue:

Missing Data: Illegal

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

Usual Range:

Description: Version number of the STS Data Specifications/Dictionary.

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. It will likely be the version implemented in the software at the time the data was collected and the record was created. This should be entered into the record automatically by software.

Harvest Coding: "2.41"

Change Type: *Harvest coding*

Change Description: STS Data Version is 2.41 for this release of data specifications. Blank is not a valid value. *Version # triggers programmed tasks at the warehouse*

Vendor Notes: This field triggers data handling and quality programs at warehouse. .Additionally, it triggers risk algorithm calculations at warehouse.

Field Name: **Participant ID**

Short Name: ParticID *SeqNo:* 40

Status: Changed *Core:* Yes

Format: Text length 5 *Harvest:* Yes

Data Source: Automatic or Lookup

Default: (assigned value)

Parent Field:

ParentValue:

Missing Data: Illegal

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.)

Usual Range: 10000 - 99999

Description: Participant ID

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.

Harvest Coding:

Change Type: Format Text length; Definition change

Change Description: **Change Format from "Text length 8" to "Text length 5" and change definition.**

Vendor Notes: **STS assigned number to appear on all records. No lead zeroes.**

Field Name: **Record ID**

Short Name: RecordID *SeqNo:* 50

Status: Continued *Core:* Yes

Format: Integer length 9 *Harvest:* Yes

Data Source: Automatic

Default: (unique value)

Parent Field:

ParentValue:

Missing Data: Illegal

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

Usual Range:

Description: Unique Record Identifier

Definition: Unique number that permanently identifies each record in the database. This number can never be changed or reused. Note: Record ID is not, and should not be, the patient's medical record number at site.

Harvest Coding:

Vendor Notes: **The Warehouse uses recid to feedback data quality issues to participants. Recid may be used to link to other clinical data.**

Field Name: **Cost Link**

Short Name: CostLink *SeqNo:* 52

Status: New *Core:* Yes

Format: Text length 20 *Harvest:* Optional

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: (free text)

Usual Range:

Description: Cost Link Field

Definition: Participant specified Cost link id that does NOT include the patient's medical record number as part of the code.

Harvest Coding:

Change Type: **New Field**

Change Description: **Add field**

Vendor Notes: **Cost Link is unique to each patient's admission. It is used to link STS clinical data with the site's cost system.**

Field Name: **STS Trial Link Number**
Short Name: STSTLink *SeqNo:* 54
Status: New *Core:* Yes
Format: Text length 5 *Harvest:* Optional
Data Source: Lookup
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: (no action)
Valid Data: (Unique value assigned by STS for a specific Clinical Trial).
Usual Range: 10000 - 99999
Description: STS Trial Link Number
Definition: STS Trial Link Number is a unique number assigned to each STS supported clinical trial. This ID is controlled by assignment of the STS.
Harvest Coding:
Change Type: **New Field**
Change Description: **Add Field**
Vendor Notes: **This field will be used to extract records to potential clinical trial databases sanctioned by the STS.**

Field Name: **Patient ID**
Short Name: PatID *SeqNo:* 60
Status: Continued *Core:* Yes
Format: Integer length 9 *Harvest:* Yes
Data Source: Automatic
Default: (unique value)
Parent Field:
ParentValue:
Missing Data: Illegal if field is present.
Valid Data: (unique arbitrary permanent value for each patient, generated automatically by software)
Usual Range:
Description: Patient ID
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. This field is only necessary if the software uses a separate patient table.
Harvest Coding:

Field Name: **Record Complete?**
Short Name: RecComp *SeqNo:* 70
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* No

Data Source: Calculated
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Is this record complete?
Definition: Indicates whether the record data is complete or not. This entry is made by the software data quality check process. This field does not impact a procedure's harvest status.
Harvest Coding: 1 = Yes; 2 = No
Change Type: **Modified Definition. *Modified Harvest status.***
Vendor Notes: **This field does not impact harvest status. It is intended as an internal quality control field for data managers at site.**

B. Demographics

Field Name: **Patient Last. Name**
Short Name: PatLName *SeqNo:* 80
Status: Continued *Core:* Yes
Format: Text length 25 *Harvest:* No
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (free text)
Usual Range:
Description: Patient Last Name
Definition: Patient Last Name
Harvest Coding:

Field Name: **Patient First Name**
Short Name: PatFName *SeqNo:* 90
Status: Continued *Core:* Yes
Format: Text length 20 *Harvest:* No
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report

Valid Data: (free text)
Usual Range:
Description: Patient First Name
Definition: Patient First Name
Harvest Coding:

Field Name: **Patient M.I.**
Short Name: PatMInit *SeqNo:* 100
Status: Continued *Core:* Yes
Format: Text length 1 *Harvest:* No
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: (no action)
Valid Data: (free text)
Usual Range:
Description: Patient Middle Initial
Definition: Patient Middle Initial
Harvest Coding:

Field Name: **Date of Birth**
Short Name: DOB *SeqNo:* 110
Status: Changed *Core:* Yes
Format: Date mm/dd/yyyy *Harvest:* Optional
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (Before system date)
Usual Range: (Greater than 20 years before system date)
Description: Patient Date of Birth
Definition: Patient Date of Birth
Harvest Coding:
Change Type: **Harvest = optional**
Change Description: **Change Harvest from Yes to Optional**
Vendor Notes: **Patient DOB should not be current year (common error). DOB uses 4 digit format for year. Harvest: Optional is due to a variety of confidentiality issues at facilities. Participating site will choose harvest = yes or harvest = no.**

Field Name: **Patient Age**

Short Name: Age *SeqNo:* 120

Status: Changed *Core:* Yes

Format: Integer length 3 *Harvest:* Yes

Data Source: Calculated

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report & Warn

Valid Data: (calculated)

Usual Range:

Description: Patient Age

Definition: Patient 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).

Harvest Coding:

Change Type: **MissingData change**

Change Description: ***Change Missing Data from (no action) to Report & Warn***

Vendor Notes: **This calculated field must be present in each observation in order for the surgery to enter the analysis data set. Patients that are < 20 are not included in the analysis dataset. If sent to the warehouse - the data are not used. This may cause N's to appear to be inconsistent in reporting between site based and warehouse counts.**

Field Name: **Gender**

Short Name: Gender *SeqNo:* 130

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report & Warn

Valid Data: Male; Female

Usual Range:

Description: Patient Gender

Definition: Patient Gender

Harvest Coding: 1 = Male; 2 = Female

Change Type: **MissingData change**

Change Description: ***Change Missing Data from Report to Report & Warn***

Vendor Notes: **Gender must be present for Risk Models to activate.**

Field Name: **Social Security #**

Short Name: SSN *SeqNo:* 140
Status: Continued *Core:* Yes
Format: Text length 11 *Harvest:* No
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (valid format)
Usual Range:
Description: Patient Social Security Number
Definition: 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.
Harvest Coding:

Field Name: **Medical Record Number**
Short Name: MedRecN *SeqNo:* 150
Status: Continued *Core:* Yes
Format: Text length 11 *Harvest:* No
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (free text)
Usual Range:
Description: Medical Record Number
Definition: Patient medical record number at the hospital where surgery occurred.
Harvest Coding:

Field Name: **Patient ZIP Code**
Short Name: PatZIP *SeqNo:* 190
Status: Changed *Core:* Yes
Format: Text length 10 *Harvest:* Optional
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (valid format)

Usual Range:

Description: Patient ZIP Code

Definition: The ZIP Code of the patient's residence. Outside the USA, this data may be known by other names such as Postal Code.

Harvest Coding:

Change Type: Harvest = optional

Change Description: Change Harvest from Yes to Optional

Vendor Notes: Harvest is Optional due to a variety of confidentiality issues at site. Participant chooses harvest = yes or harvest = no.

Field Name: **Race**

Short Name: Race *SeqNo:* 210

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

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

Usual Range:

Description: Patient Race

Definition: Patient Race

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

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Field Name: **Referring Card-Cardiologist**

Short Name: RefCard *SeqNo:* 220

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: (elements of user list)

Usual Range:

Description: Referring Cardiologist's Name

Definition: Referring Cardiologist's Name

Harvest Coding:

Field Name:	**Referring Physician**		
Short Name:	RefPhys	*SeqNo:*	250
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by User)	*Harvest:*	No
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	Report		
Valid Data:	(elements of user list)		
Usual Range:			
Description:	Referring Physician's Name		
Definition:	Referring Physician's Name		
Harvest Coding:			

C. Hospitalization

Field Name: **Hospital Name**

Short Name: HospName *SeqNo:* 280

Status: Continued *Core:* Yes

Format: Text (categorical values specified by User) length must be sufficient to hold full hospital name *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

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.

Usual Range:

Description: Hospital Name

Definition: The full name of the facility where the procedure was performed.

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

Change Type: **Emphasis on harvest coding (elements of user list)**

Change Description: **Change Valid Data to highlight that field values must be selected from a drop down list of distinct values and that new values can not be added to the list while entering a data record. *Change Format to "Text (categorical values specified by User) length must be sufficient to hold full hospital name" from "Text (categorical values specified by User)".***

Vendor Notes: **This field must have controlled data entry where a user selects the Hospital Name from a user list. This will remove variation in spelling, abbreviations and punctuation within the field. Fully spelled out hospital names are recommended.**

Field Name: **Hospital ZIP Code**

Short Name: HospZIP *SeqNo:* 282

Status: Continued *Core:* Yes

Format: Text length 10 *Harvest:* Yes

Data Source: Lookup

Default: (null/blank = missing)

Parent Field: Hospital Name

ParentValue: Is Not Missing

Missing Data: Report if parent is not null and child is null

Valid Data: (ZIP Code specified by user as linked 1:1 to Hospital Name)

Usual Range:

Description: Hospital ZIP Code

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

Harvest Coding:

Field Name: **Hospital State**
Short Name: HospStat *SeqNo:* 284
Status: Continued *Core:* Yes
Format: Text length 2 *Harvest:* Yes
Data Source: Lookup
Default: (null/blank = missing)
Parent Field: Hospital Name
ParentValue: Is Not Missing
Missing Data: Report if parent is not null and child is null
Valid Data: (State abbreviation specified by user as linked 1:1 to Hospital Name)
Usual Range:
Description: Hospital State
Definition: The State in which the hospital is located.
Harvest Coding:

Field Name: **Payor**
Short Name: Payor *SeqNo:* 290
Status: Continued *Core:* Yes
Format: Text (categorical values specified by User) *Harvest:* No
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (elements of user list)
Usual Range:
Description: Primary Payor
Definition: Primary Payor
Harvest Coding:

Field Name: **Date of Admission**
Short Name: AdmitDt *SeqNo:* 320
Status: Continued *Core:* Yes
Format: Date mm/dd/yyyy *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:

Missing Data: Report
Valid Data: (Between DOB and system date)
Usual Range: (Within 1 year before system date)
Description: Date of Admission
Definition: Date of Admission
Harvest Coding:

Vendor Notes: **AdmitDT is Greater Than (GT) DOB. AdmitDT is Less than of Equal to (LE) SurgDT. Uses a four digit year format.**

Field Name: **Date of Surgery**
Short Name: SurgDt *SeqNo:* 330
Status: Continued *Core:* Yes
Format: Date mm/dd/yyyy *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report & Warn
Valid Data: (Between Admission and system date)
Usual Range: (Within 1 year before system date)
Description: Date of Surgery
Definition: Date of Surgery
Harvest Coding:

Vendor Notes: **Surg DT is required to enter analysis pool. SurgDT is Greater than or Equal to (GE) AdmitDT. Uses a 4 digit year format.**

Field Name: **Date of Discharge**
Short Name: DischDt *SeqNo:* 340
Status: Continued *Core:* Yes
Format: Date mm/dd/yyyy *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (Between Surgery and system date)
Usual Range: (Within 1 year before system date)
Description: Date of Discharge
Definition: Date of Discharge

Harvest Coding:

Vendor Notes: DischDT is GE SurgDT.

Field Name: **Same Day Elective Admit**

Short Name: SameDay *SeqNo:* 350

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Same Day Elective Admission

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

Harvest Coding: 1 = Yes; 2 = No

Field Name: **Initial ICU hours**

Short Name: ICUInHrs *SeqNo:* 354

Status: New *Core:* Yes

Format: Integer length 4 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: 1 - 5000

Usual Range: 1 - 100

Description: ICU Initial Hours

Definition: Indicate the number of hours the patient was initially in the ICU post operation. Leave blank if the patient expired in the OR.

Harvest Coding:

Change Type: New Field

Change Description: Add field

Field Name: **Readmission to ICU**

Short Name: ICUReadm *SeqNo:* 355

Status: New *Core:* Yes

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

Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: ICU Readmission
Definition: Was the patient readmitted to the Intensive Care Unit after an initial stay. The patient must have been transferred to a step-down or intermediate care ward and then returned to Intensive Care Unit.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field
Vendor Notes: ICUReadm is blank if patient dies in OR.

Field Name: **Additional ICU Hours**
Short Name: ICUAdHrs *SeqNo:* 356
Status: New *Core:* Yes
Format: Integer length 4 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Readmission to ICU
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 1 - 5000
Usual Range: 1 - 100
Description: Number of additional hours in the ICU Postoperatively
Definition: Indicate the number of additional hours spent in the Intensive Care Unit.
Harvest Coding:
Change Type: New Field
Change Description: Add field

Field Name: **Total Hrs ICU**
Short Name: TotHrICU *SeqNo:* 357
Status: New *Core:* Yes
Format: Integer length 4 *Harvest:* Yes
Data Source: User or Calculated
Default: (null/blank = missing)
Parent Field:
ParentValue:

Missing Data: Report
Valid Data: 1 - 9999
Usual Range: 1 - 100
Description: Number of Hours in the ICU Postoperatively
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.
Harvest Coding:
Change Type: New Field, *Data Source
Change Description: Add field
Vendor Notes: TotHRICU=ICUInHr + ICUAdHrs. Can be a calculated field.

D. Risk Factors

Field Name: **Weight (kg)**
Short Name: WeightKg *SeqNo:* 400
Status: Changed *Core:* Yes
Format: Real number 3.2 digits e.g. 999.99 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 10 - 250
Usual Range: 40 - 136
Description: Weight (kg)
Definition: Indicate the weight of the patient in kilograms.
Harvest Coding:
Change Type: Valid Data change
Change Description: *Valid data changed from 0 - 250 to 10 - 250*
Vendor Notes: Note: Units as kg are required.

Field Name: **Height (cm)**
Short Name: HeightCm *SeqNo:* 420
Status: Changed *Core:* Yes
Format: Real number 3.2 digits e.g. 999.99 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 20 - 251

Usual Range: 122 - 213

Description: Height (cm)

Definition: Indicate the height of the patient in centimeters.

Harvest Coding:

Change Type: Valid Data change

Change Description: *Valid data changed from 0 - 251 to 20 to 251*

Vendor Notes: Note: Units as cm are required.

Field Name: **RF-Smoker**

Short Name: Smoker *SeqNo:* 440

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Risk Factor - Smoker

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

Harvest Coding: 1 = Yes; 2 = No

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

Short Name: SmokCurr *SeqNo:* 450

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: RF-Smoker

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: Yes; No

Usual Range:

Description: Risk Factor - Smoker - Current

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

Harvest Coding: 1 = Yes; 2 = No

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

Short Name: FHCAD *SeqNo:* 470
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Family History of Coronary Artery Disease
Definition: Whether any direct blood relatives (parents, siblings, children) have had any of the following at age <55:
a. Angina
b. myocardial infarction (MI)
c. sudden cardiac death without obvious cause.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **RF-Diabetes**
Short Name: Diabetes *SeqNo:* 480
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Diabetes
Definition: A history of diabetes, regardless of duration of disease or need for anti-diabetic agents.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **RF-Diabetes-Control**
Short Name: DiabCtrl *SeqNo:* 490
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: RF-Diabetes
ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: None; Diet; Oral; Insulin

Usual Range:

Description: Risk Factor - Diabetes - Control

Definition: Method of diabetic control, at time of intervention. 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 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).

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

Field Name: **RF-Hyperchol**

Short Name: Hyprchol *SeqNo:* 510

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Risk Factor - Hypercholesterolemia

Definition: Whether the patient has a history of hypercholesterolemia diagnosed and or treated by a physician. Criteria can include documentation of:
a. TC > 200
b. LDL >= 130
c. HDL < 30
d. Admission cholesterol > 200 mg/dl.

Harvest Coding: 1 = Yes; 2 = No

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

Short Name: CreatLst *SeqNo:* 525

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: 0.1 - 30

Usual Range: 0.1 - 9

Description: Risk Factor - Last Creatinine Level Preop

Definition: Most recent prior to day of surgery. A creatinine level should be collected on all patients for consistency, even if they have not prior history. A creatinine value is a high predictor of a patient's outcome and used in the Predicted Risk Models.

Harvest Coding:

Change Type: Modified Definition and Sequence number

Change Description: Change definition and change SeqNo from 550 to 525. Changed Field name to remove Renal Failure.

Vendor Notes: This field is collected on all patients independent of renal failure status.

Field Name: **RF-Renal Fail**

Short Name:	RenFail	*SeqNo:*	530
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Risk Factor - Renal Failure

Definition: Is there a documented history of renal failure? Does the patient have a history of a 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.

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition.

Vendor Notes: Definition of renal failure changes from STS 2.35 to STS 2.41. The creatinine value that can trigger this field to be checked as yes is higher then the cratine value in the previous version. . Vendors and sites should be aware of this change when reporting this variable over time.

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

Short Name:	Dialysis	*SeqNo:*	560
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: RF-Renal Fail

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Renal Failure - Dialysis
Definition: Is the patient on dialysis preoperatively?
Harvest Coding: 1 = Yes; 2 = No

Field Name: **RF-Hypertension**
Short Name: Hypertn *SeqNo:* 570
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Hypertension
Definition: Does the patient have 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.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **RF-CVA**
Short Name: CVA *SeqNo:* 590
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Cerebrovascular Accident
Definition: 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).
Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition - timeframe.

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

Short Name: CVAWhen *SeqNo:* 600

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: RF-CVA

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

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

Usual Range:

Description: Risk Factor - Cerebrovascular Accident - When

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

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

Change Type: MissingData change

Change Description: Change Missing Data from Report to Report if parent is yes and child is null.

Field Name: **RF-Infect Endocard**

Short Name: InfEndo *SeqNo:* 610

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Risk Factor - Infectious Endocarditis

Definition: A patient presenting with valvular disease of infectious etiology with positive blood culture.

Harvest Coding: 1 = Yes; 2 = No

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

Short Name: InfEndTy *SeqNo:* 620

Status: Continued *Core:* Yes

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

Data Source: User
Default: (null/blank = missing)
Parent Field: RF-Infect Endocard
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Treated; Active
Usual Range:
Description: Risk Factor - Infectious Endocarditis Type
Definition: 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.
Harvest Coding: 1 = Treated; 2 = Active

Field Name: **RF-Chronic Lung Dis**
Short Name: ChrLungD *SeqNo:* 660
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: No; Mild; Moderate; Severe
Usual Range:
Description: Risk Factor - Chronic Lung Disease
Definition: Specify if 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.
Harvest Coding: 1 = No; 2 = Mild; 3 = Moderate; 4 = Severe

Field Name: **RF-Immunosuppressive Rx**
Short Name: ImmSupp *SeqNo:* 670
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:

Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Immunosuppressive Treatment
Definition: Use of any form of immunosuppressive therapy (i.e. systemic steroid therapy) within 30 days preceding the operative procedure. Does not include topical applications and inhalers
Harvest Coding: 1 = Yes; 2 = No

Field Name: **RF-Periph Vasc Dis**
Short Name: PVD *SeqNo:* 680
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Peripheral Vascular Disease
Definition: 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. Choose one of the following:
Yes
No
Harvest Coding: 1 = Yes; 2 = No

Field Name: **RF-Cerebrovascular Dis**
Short Name: CVD *SeqNo:* 690
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Risk Factor - Cerebrovascular Disease
Definition: 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.
Choose one of the following:
Yes
No

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition- timeframe.

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

Short Name:	CVDType	*SeqNo:*	700
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	RF-Cerebrovascular Dis		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	Coma; CVA; RIND; TIA; NonInvas >75%; Prior Carotid Surgery		
Usual Range:			
Description:	Risk Factor - Cerebrovascular Disease Type		

Definition: What type of Cerebro-Vascular Disease does the patient have? Choose 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.
Prior Carotid Surgery.

Harvest Coding: 1 = Coma; 2 = CVA; 3 = RIND; 4 = TIA; 5 = NonInvas >75%; 6 = Prior Carotid Surgery

Change Type: Modified Definition, Valid Data

Change Description: Add to Valid Data and Harvest Coding to include "6 = Prior Carotid Surgery" and change Definition.

E. Previous Interventions

Field Name: **Prev CV Intervent**
Short Name: PrCVInt *SeqNo:* 710
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Previous Cardiovascular Intervention
Definition: Has the patient undergone any previous cardiovascular intervention, either surgical or non-surgical, which may include those done during the current admission. This includes thrombolytic therapy for cardiac indications.
Harvest Coding: 1 = Yes; 2 = No

Vendor Notes: **Warehouse edit: Prev CV Intervent (PrCVInt) is set to Yes if Prior Card Op Req Bypass-# (PrCBNum) is greater than 1.**

Field Name: **Prior Card Op Req Bypass-#**
Short Name: PrCBNum *SeqNo:* 740
Status: Changed *Core:* Yes
Format: Integer length 1 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Prev CV Intervent
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 0 - 9
Usual Range:
Description: Number of Prior Cardiac Operations Requiring Cardiopulmonary Bypass
Definition: Prior to this operation, how many cardiac surgical operations were performed on this patient utilizing cardiopulmonary bypass.
Harvest Coding:
Change Type: **MissingData change**
Change Description: **Change Missing Data from Report to Report if parent is yes and child is null**

Field Name: **Prior Card Op No Bypass-#**
Short Name: PrCNNum *SeqNo:* 750

Status:	Changed	*Core:*	Yes
Format:	Integer length 1	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Prev CV Intervent		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	0 - 9		
Usual Range:			
Description:	Number of Prior Cardiac Operations Without Cardiopulmonary Bypass		
Definition:	Prior to this operation, how many cardiac surgical operations were performed on this patient without cardiopulmonary bypass.		

Harvest Coding:

Change Type: MissingData change

Change Description: Change Missing Data from Report to Report if parent is yes and child is null

---

Field Name:	**Prev CAB**		
Short Name:	PrCAB	*SeqNo:*	760
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Prev CV Intervent		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	Yes; No		
Usual Range:			
Description:	Previous Coronary Artery Bypass Surgery		
Definition:	Previous Coronary Artery Bypass surgery by any approach.		
Harvest Coding:	1 = Yes; 2 = No		

Change Type: MissingData change

Change Description: Change Missing Data from Report to Report if parent is yes and child is null

---

Field Name:	**Prev Valve**		
Short Name:	PrValve	*SeqNo:*	770
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Prev CV Intervent		
ParentValue:	= "Yes"		

Missing Data: Report if parent is yes and child is null
Valid Data: Yes; No
Usual Range:
Description: Previous Valve Surgery
Definition: Previous surgical replacement and/or repair of a cardiac valve, by any approach.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to Report if parent is yes and child is null

---

Field Name: **Prev Oth Card**
Short Name: PrOthCar *SeqNo:* 940
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Prev CV Intervent
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Yes; No
Usual Range:
Description: Previous Other Cardiac Surgery
Definition: Any other previous cardiac surgery which traversed the anterior mediastinum, including surgery on the ascending aorta and/or arch.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to Report if parent is yes and child is null.

Field Name: **PTCA/Ather**
Short Name: PrPTCA *SeqNo:* 1160
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Prev CV Intervent
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Yes; No
Usual Range:
Description: Prior PTCA including Balloon and/or Atherectomy
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).

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change, Description and Definition change

Change Description: Change Missing Data from Report to Report if parent is yes and child is null and change the Description and Definition

---

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

Short Name: PrPTIntv *SeqNo:* 1190

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: PTCA/Ather

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: <=6 Hrs; >6 Hrs

Usual Range:

Description: Interval from prior PTCA/Atherectomy to Surgery

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

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

Change Type: MissingData change, Description and Definition change

Change Description: Change Missing Data from Report to Report if parent is yes and child is null and change Description and Definition.

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

Short Name: PrNSStnt *SeqNo:* 1230

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Previous Non Surgical Intervention - Stent Placement

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)?

Harvest Coding: 1 = Yes; 2 = No

Vendor Notes: 2.41 change - this field has no parent. This was an error in 2.40 specifications. Change

ParentField to null from "PTCA/Ather". Change ParentValue to null from "= "Yes"". Change MissingData to "(no action)" from "Report if parent is yes and child is null".

Field Name: **Stent Intvl**

Short Name: StntIntv *SeqNo:* 1235

Status: New *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Prev Non Surg-Stent

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: <=6 Hrs; >6 Hrs

Usual Range:

Description: Stent Interval

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

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

Change Type: New Field

Change Description: Add field

Field Name: **Thrombolysis**

Short Name: Thrmblys *SeqNo:* 1240

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Prev CV Intervent

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: Yes; No

Usual Range:

Description: Thrombolysis

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

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing data from Report to Report if parent is yes and child is null

---

Field Name: **Thrombolysis-Intvl**

Short Name:	ThrIntvl	*SeqNo:*	1260
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Thrombolysis		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	<=6 Hrs; >6 Hrs		
Usual Range:			
Description:	Thrombolysis - Interval		
Definition:	The time between thrombolysis treatment and surgical repair of coronary occlusion: <= 6 hours > 6 hours.		
Harvest Coding:	1 = <=6 Hrs; 2 = >6 Hrs		

Change Type: **MissingData change**

Change Description: **Change Missing Data from Report to Report if parent is yes and child is null**

Field Name:	**Prev Non Surg-Balloon Valv**		
Short Name:	PrNSBall	*SeqNo:*	1280
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Prev CV Intervent		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	Yes; No		
Usual Range:			
Description:	Previous Non Surgical Intervention - Balloon Valvuloplasty		
Definition:	Was a previous Non surgical Balloon Valvuloplasty performed.		
Harvest Coding:	1 = Yes; 2 = No		

Change Type: **MissingData change**

Change Description: **Change Missing Data from Report to Report if parent is yes and child is null.**

F. Cardiac Status

Field Name: **MI**
Short Name: MI *SeqNo:* 1340
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Myocardial Infarction
Definition: Patient hospitalized with an MI documented in the medical record. Two of the following four criteria are necessary:
a. Prolonged (> 20 min) typical chest pain not relieved by rest and/or nitrates.
b. Enzyme level elevation: either (1) CK-MB > 5% of total CPK; (2) CK greater than 2x normal; (3) LDH subtype 1 > LDH subtype 2; or (4) troponin > 0.2 micrograms / ml.
c. Any wall motion abnormalities as documented by LV Gram, Echo, Muga Scan and or EF<45%.
d. Serial ECG (at least two) showing changes from baseline or serially in ST-T and/or Q waves that are 0.03 seconds in width and/or > or + one third of the total QRS complex in two or more contiguous leads.
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition
Change Description: Change Definition.
Vendor Notes: Warehouse edits: Myocardial Infarction (MI) is set to Yes if Status = Urgent and Urgent Reason (UrgntRsn) = AMI. Myocardial Infarction (MI) is set to Yes if Status = Emergent and Emergent Reason (EmergRsn) = AEMI.

Field Name: **MI-When**
Short Name: MIWhen *SeqNo:* 1360
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: MI
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: <=6 Hrs; >6 Hrs but <24 Hrs; 1 to 7 Days; 8 to 21 Days; >21 Days
Usual Range:
Description: Myocardial Infarction - When
Definition: Time period between the last documented myocardial infarction and surgery.

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

---

Field Name: **Congestive Heart Failure**

Short Name: CHF *SeqNo:* 1370

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Congestive Heart Failure

Definition: If patient has symptoms, have they occurred within 2 weeks prior to surgery? This does not include patients with chronic or stable non-symptomatic compensated CHF. Does the patient have one or more of the following:
* Paroxysmal nocturnal dyspnea (PND)
* Dyspnea on exertion (DOE) due to heart failure
* Chest X-Ray (CXR) showing pulmonary congestion.
* Pedal edema or dyspnea and receiving diuretics or digoxin.

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition.

Field Name: **Angina**

Short Name: Angina *SeqNo:* 1380

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Angina

Definition: Whether the patient has angina pectoris present leading up to or during the hospitalization within 24 hours prior to surgical intervention.

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition.

Field Name:	**Angina-Type**		
Short Name:	AngType	*SeqNo:*	1390
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Angina		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	Stable; Unstable		
Usual Range:			
Description:	Angina - Type		
Definition:	Indicate the type of angina present within 24 hours of the surgical procedure: Stable: Angina which is controlled by oral or transcutaneous medication. Unstable: The presence of on-going refractory (difficult, complicated, and/or unmanageable) ischemia which necessitates the increase or initiation of angina control therapies that may include: nitroglycerin drip, heparin drip, IABP placement.		

Harvest Coding: 1 = Stable; 2 = Unstable

Vendor Notes: **Warehouse edit: Angina-Type (AngType) is set to Unstable if Status = Urgent and Urgent Reason (UrgntRsn) = USA.**

Field Name:	**Angina Unstable Type**		
Short Name:	AngUnstT	*SeqNo:*	1400
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Angina-Type		
ParentValue:	= "Unstable"		
Missing Data:	Report if parent is Unstable and child is null		
Valid Data:	Rest Angina; New Class 3; Recent Accel; Variant Angina; Non-Q MI; Post-Infarct Angina		
Usual Range:			
Description:	Presentation of Unstable Angina		
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.		

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

Post-Infarct Angina

Field Name: **Cardiogenic Shock**
Short Name: CarShock *SeqNo:* 1420
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Cardiogenic Shock
Definition: Is the patient, 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.
Choose Yes or No.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **Cardiogenic Shock Type**
Short Name: CarShTyp *SeqNo:* 1430
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Cardiogenic Shock
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Refractory Shock; Hemodynamic Instability
Usual Range:
Description: Cardiogenic Shock - Type
Definition: 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.
Harvest Coding: 1 = Refractory Shock; 2 = Hemodynamic Instability

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Field Name: **Resuscitation**
Short Name: Resusc *SeqNo:* 1440

Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Resuscitation
Definition: The patient required cardiopulmonary resuscitation within one hour before the start of the operative procedure.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **Arrhythmia**
Short Name: Arrhyth *SeqNo:* 1450
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Arrhythmia
Definition: Is there a preoperative arrhythmia present within two weeks of the procedure, by clinical documentation of any one of the following:
Atrial fibrillation/flutter requiring Rx; Heart block; Sustained Ventricular Tachycardia or Ventricular Fibrillation requiring cardioversion and/or IV amiodarone.
Choose one of the following:
Yes
No
Harvest Coding: 1 = Yes; 2 = No

Field Name: **Arrhythmia Type**
Short Name: ArrhyTyp *SeqNo:* 1460
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Arrhythmia

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: Sust VT/VF; Heart Block; AFib/Flutter

Usual Range:

Description: Arrhythmia Type

Definition: Which arrhythmia is present within two weeks of the procedure; choose one:
Sustained Ventricular Tachycardia or Ventricular Fibrillation requiring cardioversion and/or IV amiodarone.
Heart block.
Atrial fibrillation/flutter requiring Rx.

Harvest Coding: 1 = Sust VT/VF; 2 = Heart Block; 3 = AFib/Flutter

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Field Name: **Classification-CCS**

Short Name: ClassCCS *SeqNo:* 1530

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

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

Usual Range:

Description: Classification - CCS

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.

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

Change Type: Modified Definition

Change Description: Change Definition.

Field Name: **Classification-NYHA**

Short Name:	ClassNYH	*SeqNo:*	1540
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: I; II; III; IV

Usual Range:

Description: Classification - NYHA

Definition: NYHA: New York Heart Association Class. NYHA classification represents the overall functional status of the patient in relationship to both congestive heart failure and angina. The NYHA may not be the same as the CCS classification for the same evaluation period. Code the highest level leading to episode of hospitalization and/or procedure.
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.
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.
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.
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.

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

Change Type: Modified Definition

Change Description: Change Definition.

G. Medications

Field Name: **Meds-Digitalis**
Short Name: MedDig *SeqNo:* 1640
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Medications - Digitalis
Definition: Has the Patient received Digitalis within 24 hours preceding surgery?
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition
Change Description: Change Definition - timeframe.

Field Name: **Meds-Beta Blockers**
Short Name: MedBeta *SeqNo:* 1650
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Medications - Beta Blockers
Definition: Has the Patient received Beta Blockers within 24 hours preceding surgery?
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition
Change Description: Change Definition - timeframe

Field Name: **Meds-ACE Inhibitors**
Short Name: MedACEI *SeqNo:* 1670
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes

Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Medications - ACE Inhibitors
Definition: Has the patient received ACE-inhibitors within 24 hours preceding surgery?
Harvest Coding: 1 = Yes; 2 = No
Change Type: Extended to core
Change Description: Change Core from No to Yes, change Missing Data from (no action) to Report, and change definition.

Field Name: **Meds-Nitrates-I.V.**
Short Name: MedNitIV *SeqNo:* 1690
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Medications - Nitrates - I.V. (intravenous)
Definition: Has the Patient received Nitrates within 24 hours preceding surgery?
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition
Change Description: Change Definition - timeframe.

Field Name: **Meds-Antiplatelets**
Short Name: MedAPlt *SeqNo:* 1710
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No

Usual Range:

Description: Medications - Other Anti-Platelets

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

Harvest Coding: 1 = Yes; 2 = No

Change Type: Extended to core

Change Description: Change Core from No to Yes, change Missing Data from (no action) to Report, change description from Medications - Antiplatelets to Medications - Other Anti-Platelets, and change definition.

Field Name: **Meds-Anticoagulants**

Short Name: MedACoag *SeqNo:* 1720

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Medications - Anticoagulants

Definition: Has the Patient received Anticoagulants (incl. llA, lllB inhibitors) within 48 hours preceding surgery?

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition - timeframe.

Field Name: **Meds-Diuretics**

Short Name: MedDiur *SeqNo:* 1730

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Medications - Diuretics

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

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition - timeframe.

Field Name: **Meds-Inotropes**

Short Name: MedInotr *SeqNo:* 1740

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Medications - Inotropic Agents

Definition: Has the Patient received Inotrpic Agents within 48 hours preceding surgery?

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition - timeframe.

Field Name: **Meds-Steroids**

Short Name: MedSter *SeqNo:* 1750

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Medications - Steroids

Definition: Patient taking within 24 hours of surgery and 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)

Harvest Coding: 1 = Yes; 2 = No

Change Type: Modified Definition

Change Description: Change Definition - timeframe.

Field Name: **Meds-Aspirin**

Short Name: MedASA *SeqNo:* 1760

Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Medications - Aspirin
Definition: Has the Patient received Aspirin within 5 days preceding surgery?
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition
Change Description: Change Definition - timeframe.

H. Hemodynamics & Cath

Field Name: **Num Dis Vessels**
Short Name: NumDisV *SeqNo:* 1820
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: None; One; Two; Three
Usual Range:
Description: Number of Diseased Coronary Vessels
Definition: The number of major 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
Harvest Coding: 1 = None; 2 = One; 3 = Two; 4 = Three

Vendor Notes: Warehouse edit: Num Dis Vessels (NumDisV) is set to Double if Left Main Dis>50% (LmainDis) = Yes and NumDisV is None, Single, or missing.

Field Name: **Left Main Dis > 50%**

Short Name: LMainDis *SeqNo:* 1830
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Left Main Disease > 50%
Definition: Left Main Coronary Disease is present when there is > 50% compromise of vessel diameter in any angiographic view.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **Hemo Data-EF Done**
Short Name: HDEFD *SeqNo:* 1858
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Hemodynamic Data - Ejection Fraction Done
Definition: Was the Ejection Fraction measured pre-operatively?
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field

Field Name: **Hemo Data-EF**
Short Name: HDEF *SeqNo:* 1860
Status: Changed *Core:* Yes
Format: Integer length 2 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Hemo Data-EF Done
ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: 5 - 90

Usual Range:

Description: Hemodynamic Data - Ejection Fraction

Definition: 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 5 - 90.

Harvest Coding:

Change Type: Parent added; MissingData change

Change Description: Add HDEFD as parent field and change Missing Data from Report to Report if parent is yes and child is null.

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

Short Name: HDEFMeth *SeqNo:* 1870

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Hemo Data-EF Done

ParentValue: Is Not Missing

Missing Data: Report if parent is not null and child is null

Valid Data: LV Gram; Radionuclide; Estimate; ECHO

Usual Range:

Description: Hemodynamic Data - Ejection Fraction Method

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

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

Change Type: Parent added; MissingData change; *Valid Data; Harvest Coding*

Change Description: Add *HDEF* as Parent Field and change Missing Data from Report to Report if parent is not null and child is null. Remove None option from ValidData, Definition and Harvest Coding.

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

Short Name: HDPAD *SeqNo:* 1915

Status: New *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Hemodynamic Data - Pulmonary Artery Mean Pressure Done
Definition: Was the mean pulmonary artery pressure measured?
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add Field

Field Name: **Hemo Data-PA Mean**
Short Name: HDPAMean *SeqNo:* 1940
Status: Changed *Core:* Yes
Format: Integer length 2 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Hemo Data - HDPA Mean Done
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 1 - 99
Usual Range:
Description: Hemodynamic Data - Pulmonary Artery Mean Pressure
Definition: Mean pulmonary artery pressure in mm Hg, recorded from catheterization data or Swan-Ganz catheter BEFORE the induction of anesthesia.
Harvest Coding:
Change Type: Valid Data change; Change MissingData
Change Description: Change valid data from 0 - 99 to 1 - 99 and change Missing Data from Report to Report if parent is yes and child is null

---

Field Name: **VD-Stenosis-Aortic**
Short Name: VDStenA *SeqNo:* 2010
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Valve Data - Stenosis - Aortic
Definition: Is Aortic Stenosis present?

Harvest Coding: 1 = Yes; 2 = No

Field Name: **VD-Gradient-Aortic**

Short Name: VDGradA *SeqNo:* 2015

Status: Changed *Core:* Yes

Format: Integer length 3 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: VD-Stenosis-Aortic

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: 1 - 200

Usual Range:

Description: Valve Data - Gradient - Aortic

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

Harvest Coding:

Change Type: Sequence Number, Core, and definition change

Change Description: Change SeqNo from 2130 to 2015, change Core from No to Yes, add VD-Stenosis Aortic as parent field, change missing data from (no action) to Report if parent is yes and child is null, change Valid Data from 0 - 200 to 1 - 200, and change definition.

Field Name: **VD-Stenosis-Mitral**

Short Name: VDStenM *SeqNo:* 2020

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Valve Data - Stenosis - Mitral

Definition: Is Mitral Stenosis present?

Harvest Coding: 1 = Yes; 2 = No

Field Name: **VD-Stenosis-Tricuspid**

Short Name: VDStenT *SeqNo:* 2030

Status: Continued *Core:* Yes

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

Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Valve Data - Stenosis - Tricuspid
Definition: Is Tricuspid Stenosis present?
Harvest Coding: 1 = Yes; 2 = No

Field Name: **VD-Stenosis-Pulmonic**
Short Name: VDStenP *SeqNo:* 2040
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Valve Data - Stenosis - Pulmonic
Definition: Is Pulmonic Stenosis present?
Harvest Coding: 1 = Yes; 2 = No

Field Name: **VD-Insuff-Aortic**
Short Name: VDInsufA *SeqNo:* 2050
Status: Continued *Core:* Yes
Format: Integer length 1 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 0 - 4
Usual Range:
Description: Valve Data - Insufficiency - Aortic
Definition: Is there evidence of Aortic valve regurgitation:
0 = None

1 = Trivial
2 = Mild
3 = Moderate
4 = Severe

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

---

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

Short Name:	VDInsufM	*SeqNo:*	2060
Status:	Continued	*Core:*	Yes
Format:	Integer length 1	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	Report		
Valid Data:	0 - 4		
Usual Range:			
Description:	Valve Data - Insufficiency - Mitral		

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

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

---

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

Short Name:	VDInsufT	*SeqNo:*	2070
Status:	Continued	*Core:*	Yes
Format:	Integer length 1	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	Report		
Valid Data:	0 - 4		
Usual Range:			
Description:	Valve Data - Insufficiency - Tricuspid		

Definition: Is there evidence of Tricuspid valve regurgitation:
0 = None
1 = Trivial
2 = Mild
3 = Moderate

4 = Severe

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

---

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

Short Name: VDInsufP *SeqNo:* 2080

Status: Continued *Core:* Yes

Format: Integer length 1 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: 0 - 4

Usual Range:

Description: Valve Data - Insufficiency - Pulmonic

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

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

---

J. Operative

Field Name: **Surgeon**
Short Name: Surgeon *SeqNo:* 2230
Status: Continued *Core:* Yes
Format: Text (categorical values specified by User) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: (elements of user list) Not free text. User maintains list of valid data. New values are made available through a utility that is separate from entering a data record.
Usual Range:
Description: Surgeon's Name
Definition: Surgeon's Name
Harvest Coding:
Change Type: **Emphasis on harvest coding (elements of user list)**
Vendor Notes: **This field must have controlled data entry where a user selects the SurgeonName 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.**

Field Name: **Surgeon Group**
Short Name: SurgGrp *SeqNo:* 2235
Status: Changed *Core:* Yes
Format: Text length 50 *Harvest:* Yes
Data Source: Lookup
Default: (null/blank = missing)
Parent Field: Surgeon
ParentValue: Is Not Missing
Missing Data: Report if parent is not null and child is null
Valid Data: (Group name specified by user as linked to Surgeon name in vendor database)
Usual Range:
Description: Surgeon's Group Name
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.
Harvest Coding:
Change Type: **Valid Data change; MissingData change**
Change Description: **Change Valid Data description and change Missing Data from Report to Report if parent is not null and child is null.**

Field Name: **Status**
Short Name: Status *SeqNo:* 2300
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Emergent Salvage; Emergent; Urgent; Elective
Usual Range:
Description: Status (urgency) of the procedure.
Definition: Select one of 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 (TNG) 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.

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

Change Type: Modified Definition; Harvest Coding order change

Change Description: Change Definition, change Valid Data value of "Salvage" to "Emergent Salvage", change Valid Data order and change Harvest Coding value of "4 = Salvage" to "4 = Emergent Salvage".

Field Name: **Urgent Reason**
Short Name: UrgntRsn *SeqNo:* 2310

Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Status		
ParentValue:	= "Urgent"		
Missing Data:	Report if parent is Urgent and child is null		
Valid Data:	AMI; IABP; Worsening CP; CHF; Anatomy; USA; Rest Angina; Valve Dysfunction; Aortic Dissection		
Usual Range:			
Description:	Reason for Urgent Status		
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. Which one of the following applies as the reason why the patient had Urgent Status? (Select one) Acute myocardial infarction (AMI). IntraAortic 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		
Harvest Coding:	1 = AMI; 2 = IABP; 3 = Worsening CP; 4 = CHF; 5 = Anatomy; 6 = USA; 7 = Rest Angina; 8 = Valve Dysfunction; 9 = Aortic Dissection		

Change Type: Additional Codes

Change Description: Add to Valid Data and Harvest Coding to include "8 = Valve Dysfunction" and " 9 = Aortic Dissection", change Definition and change Missing Data from Report to Report if parent is Urgent and child is null.

Field Name:	**Emergent Reason**		
Short Name:	EmergRsn	*SeqNo:*	2320
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Status		
ParentValue:	= "Emergent"		
Missing Data:	Report if parent is Emergent and child is null		
Valid Data:	Shock Circ Support; Shock No Circ Support; Pulmonary Edema; AEMI; Ongoing Ischemia; Valve Dysfunction; Aortic Dissection		
Usual Range:			
Description:	Reason for Emergent Status		
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.
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

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

Change Type: Additional Codes, MissingData change

Change Description: Add to Valid Data and Harvest Coding to include "6= Valve Dysfunction" and "7 = Aortic Dissection", change Definition, and change Missing Data from Report to Report if parent is Emergent and child is null.

Field Name: **CAB**
Short Name: OpCAB *SeqNo:* 2340
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report & Warn
Valid Data: Yes; No
Usual Range:
Description: Coronary Artery Bypass
Definition: Was coronary artery bypass grafting done?
Harvest Coding: 1 = Yes; 2 = No

Field Name: **VS-Aortic Proc-Procedure**
Short Name: OpAortic *SeqNo:* 2350
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report & Warn
Valid Data: No; Replacement; Repair/Reconstruction; Root Reconstruction with Valve Conduit; Root

Reconstruction with Valve Sparing; Resuspension Aortic Valve; Resection Sub-Aortic Stenosis

Usual Range:

Description: Valve Surgery - Aortic Procedure

Definition: Was a surgical procedure done on the Aortic Valve, and if so what? Select one of the following:
No;
Replacement;
Repair/Reconstruction;
Root Reconstruction with Valve Conduit;
Root Reconstruction with Valve Sparing;
Resuspension Aortic Valve;
Resection Sub-Aortic Stenosis.

Harvest Coding: 1 = No; 2 = Replacement; 3 = Repair/Reconstruction; 4 = Root Reconstruction with Valve Conduit; 5 = Root Reconstruction with Valve Sparing; 6 = Resuspension Aortic Valve; 7 = Resection Sub-Aortic Stenosis

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Field Name: **VS-Mitral Proc-Procedure**

Short Name: OpMitral *SeqNo:* 2360

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report & Warn

Valid Data: No; Annuloplasty Only; Replacement; Reconstruction with Annuloplasty; Reconstruction without Annuloplasty

Usual Range:

Description: Valve Surgery - Mitral Procedure

Definition: Was a surgical procedure done on the Mitral Valve, and if so what? Select one of the following:
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

---

Field Name: **VS-Tricuspid Proc-Procedure**

Short Name: OpTricus *SeqNo:* 2370

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report & Warn

Valid Data: No; Annuloplasty Only; Replacement; Reconstruction with Annuloplasty; Reconstruction without Annuloplasty; Valvectomy

Usual Range:

Description: Valve Surgery - Tricuspid Procedure

Definition: Was a surgical procedure done on the Tricuspid Valve, and if so what? Select one of the following:
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

---

Field Name: **VS-Pulmonic Proc-Procedure**

Short Name: OpPulm *SeqNo:* 2380

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report & Warn

Valid Data: No; Replacement; Reconstruction

Usual Range:

Description: Valve Surgery - Pulmonic Procedure

Definition: Was a surgical procedure done on the Pulmonic Valve, and if so what? Select one of the following:
No;
Replacement;
Reconstruction.

Harvest Coding: 1 = No; 2 = Replacement; 3 = Reconstruction

Field Name: **Other Card**

Short Name: OpOCard *SeqNo:* 2510

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:
Missing Data: Report & Warn
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure
Definition: Was another type of cardiac procedure done (other than CABG and/or Valve procedures)?
Harvest Coding: 1 = Yes; 2 = No

Field Name: **Other Non Card**
Short Name: OpONCard *SeqNo:* 2520
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report & Warn
Valid Data: Yes; No
Usual Range:
Description: Other Non Cardiac Procedure
Definition: Was a non-cardiac procedure done?
Harvest Coding: 1 = Yes; 2 = No

K. Coronary Bypass

Field Name: **Unplanned CABG**
Short Name: CABUnpln *SeqNo:* 2550
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Yes; No
Usual Range:
Description: Unplanned CABG
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.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from (no action) to Report if parent is yes and child is null

---

Field Name: **Dist Anast - Art #**
Short Name: DistArt *SeqNo:* 2570
Status: Changed *Core:* Yes
Format: Integer length 1 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 0 - 9
Usual Range:
Description: Number of Distal Anastomoses with Arterial Conduits
Definition: The total number of distal anastomoses with arterial conduits, whether IMA, GEPA, radial artery, etc.
Harvest Coding:
Change Type: Modified PC relationship
Change Description: Change Missing Data from "Report" to "Report if parent is yes and child is null"
Vendor Notes: Warehouse edit: Dist Anast – Art # (DistArt) is set to the sum of IMA Dist Anast # (NumIMADA), Radial Dist Anast # (NumRadDA), and GEPA Dist Anast #

(NumGEPDA), if the current value of DistArt is missing or less than that sum.

Field Name: **Dist Anast - Vein #**
Short Name: DistVein *SeqNo:* 2580
Status: Changed *Core:* Yes
Format: Integer length 1 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 0 - 9
Usual Range:
Description: Number of Distal Anastomoses with Vein Grafts
Definition: The total number of distal anastomoses with venous conduits, e.g. saphenous veins.
Harvest Coding:
Change Type: Modified PC relationship
Change Description: Change Missing Data from "Report" to "Report if parent is yes and child is null"

Field Name: **IMA Artery Used**
Short Name: IMAArtUs *SeqNo:* 2590
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Left IMA; Right IMA; Both IMAs; No IMA
Usual Range:
Description: Internal Mammary Artery(ies) Used as Grafts
Definition: Specify which, if any, Internal Mammary Artery(ies) were used for grafts.
Harvest Coding: 1 = Left IMA; 2 = Right IMA; 3 = Both IMAs; 4 = No IMA
Change Type: Modified PC relationship
Change Description: Change Missing Data from Report to Report if parent is yes and child is null

Field Name: **IMA Dist Anast #**
Short Name: NumIMADA *SeqNo:* 2660
Status: Changed *Core:* Yes
Format: Integer length 1 *Harvest:* Yes
Data Source: User

Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 0 - 6
Usual Range:
Description: Number of Internal Mammary Artery Distal Anastomoses
Definition: Total number of distal anastomoses done using internal mammary artery grafts.
Harvest Coding:
Change Type: Modified PC relationship
Change Description: Change Missing Data from Report to Report if parent is yes and child is null

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Field Name: **Radial Artery Used**
Short Name: RadArtUs *SeqNo:* 2670
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: No Radial; Left Radial; Right Radial; Both Radials
Usual Range:
Description: Radial Artery(ies) Used as Grafts
Definition: Indicate which radial artery(ies) was/were used for grafts:
No Radial artery.
Left Radial artery.
Right Radial artery.
Both Radial arteries.
Harvest Coding: 1 = No Radial; 2 = Left Radial; 3 = Right Radial; 4 = Both Radials
Change Type: Modified PC relationship
Change Description: Change Missing Data from Report to Report if parent is yes and child is null.

Field Name: **Radial Dist Anast #**
Short Name: NumRadDA *SeqNo:* 2680
Status: Changed *Core:* Yes
Format: Integer length 1 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: CAB
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null

Valid Data: 0 - 6

Usual Range:

Description: Number of Radial Artery Distal Anastomoses

Definition: Total number of distal anastomoses done using radial artery grafts.

Harvest Coding:

Change Type: Modified PC relationship

Change Description: Change Missing Data from Report to Report if parent is yes and child is null

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Field Name: **GEPA Dist Anast #**

Short Name: NumGEPDA *SeqNo:* 2700

Status: Changed *Core:* Yes

Format: Integer length 1 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: CAB

ParentValue: = "Yes"

Missing Data: Report if parent is yes and child is null

Valid Data: 0 - 6

Usual Range:

Description: Number of Gastro-Epiploic Artery Distal Anastomoses

Definition: Total number of distal anastomoses done using gastro-epiploic artery grafts.

Harvest Coding:

Change Type: Modified PC relationship

Change Description: Change Missing Data from Report to Report if parent is yes and child is null

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L. Valve Surgery

Field Name: **VS-Aortic Proc-Imp-Type**
Short Name: VSAoImTy *SeqNo:* 3240
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Aortic Proc-Procedure
ParentValue: <> "No" And Is Not Missing
Missing Data: Report if parent is yes and child is null
Valid Data: None; M; B; H; A; R
Usual Range:
Description: Valve Surgery - Aortic Procedure - Implant Type
Definition: Indicate the type of implant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty
Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Aortic Proc-Imp**
Short Name: VSAoIm *SeqNo:* 3250
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Aortic Proc-Imp-Type
ParentValue: <> "None"
Missing Data: Report if parent is yes and child is null
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; Other

Usual Range:

Description: Valve Surgery - Aortic Procedure - Implant

Definition: Select the name of the prosthesis implanted.

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; 777 = Other

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Field Name: **VS-Aortic Proc-Imp-Size**

Short Name: VSAoImSz *SeqNo:* 3260

Status: Continued *Core:* Yes

Format: Integer length 2 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Aortic Proc-Imp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

Valid Data: 5 - 50

Usual Range: 10 - 40

Description: Valve Surgery - Aortic Procedure - Implant Size

Definition: Valve Surgery - Aortic Procedure - Implant Size

Harvest Coding:

Field Name: **VS-Aortic Proc-Exp-Type**

Short Name: VSAoExTy *SeqNo:* 3270

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Aortic Proc-Procedure

ParentValue: <> "No" And Is Not Missing

Missing Data: Report if parent is yes and child is null

Valid Data: None; M; B; H; A; R

Usual Range:

Description: Valve Surgery - Aortic Procedure - Explant Type

Definition: Indicate the type of explant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty

Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Aortic Proc-Exp**

Short Name: VSAoEx *SeqNo:* 3280

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Aortic Proc-Exp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

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

Usual Range:

Description: Valve Surgery - Aortic Procedure - Explant

Definition: Select the name of the prosthesis explanted.

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

Change Type: ***Valid Data; MissingData***

Change Description: **Add ability to select Native Valve as explant. If Native Valve is selected then size is missing.**

Vendor Notes: **Added Native Valve as option.**

Field Name: **VS-Aortic Proc-Exp-Size**

Short Name: VSAoExSz *SeqNo:* 3290

Status: Continued *Core:* Yes

Format: Integer length 2 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Aortic Proc-Exp-Type
ParentValue: <> "None"
Missing Data: Report if parent is yes and child is null, except if parent is Native Valve
Valid Data: 5 - 50
Usual Range: 10 - 40
Description: Valve Surgery - Aortic Procedure - Explant Size
Definition: Valve Surgery - Aortic Procedure - Explant Size
Harvest Coding:
Change Type: *MissingData*
Change Description: Allow missing data if explant is native valve
Vendor Notes: Allow missing data if explant is Native Valve.

Field Name: **VS-Mitral Proc-Imp-Type**
Short Name: VSMiImTy *SeqNo:* 3300
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Mitral Proc-Procedure
ParentValue: <> "No" And Is Not Missing
Missing Data: Report if parent is yes and child is null
Valid Data: None; M; B; H; A; R
Usual Range:
Description: Valve Surgery - Mitral Procedure - Implant Type
Definition: Indicate the type of implant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty
Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Mitral Proc-Imp**
Short Name: VSMiIm *SeqNo:* 3310
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)

Parent Field: VS-Mitral Proc-Imp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

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; Other

Usual Range:

Description: Valve Surgery - Mitral Procedure - Implant

Definition: Select the name of the prosthesis implanted.

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; 777 = Other

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Field Name: **VS-Mitral Proc-Imp-Size**
Short Name: VSMiImSz *SeqNo:* 3320
Status: Continued *Core:* Yes
Format: Integer length 2 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Mitral Proc-Imp-Type
ParentValue: <> "None"
Missing Data: Report if parent is yes and child is null
Valid Data: 5 - 50
Usual Range: 10 - 40
Description: Valve Surgery - Mitral Procedure - Implant Size
Definition: Valve Surgery - Mitral Procedure - Implant Size
Harvest Coding:

Field Name: **VS-Mitral Proc-Exp-Type**
Short Name: VSMiExTy *SeqNo:* 3330
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Mitral Proc-Procedure
ParentValue: <> "No" And Is Not Missing
Missing Data: Report if parent is yes and child is null
Valid Data: None; M; B; H; A; R
Usual Range:
Description: Valve Surgery - Mitral Procedure - Explant Type
Definition: Indicate the type of explant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty
Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Mitral Proc-Exp**
Short Name: VSMiEx *SeqNo:* 3340

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Mitral Proc-Exp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

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

Usual Range:

Description: Valve Surgery - Mitral Procedure - Explant

Definition: Select the name of the prosthesis explanted.

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

Change Type: ***Valid Data; MissingData***

Change Description: **Add ability to select Native Valve as explant. If native Valve is selected then size is missing.**

Vendor Notes: **Added Native Valve as option.**

Field Name: **VS-Mitral Proc-Exp-Size**

Short Name:	VSMiExSz	*SeqNo:*	3350
Status:	Continued	*Core:*	Yes
Format:	Integer length 2	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Mitral Proc-Exp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null, except if parent is Native Valve

Valid Data: 5 - 50

Usual Range: 10 - 40

Description: Valve Surgery - Mitral Procedure - Explant Size

Definition: Valve Surgery - Mitral Procedure - Explant Size

Harvest Coding:

Change Type: ***MissingData***

Change Description: **Allow size to be missing if explant is Native.**

Vendor Notes: **Allow missing data if explant is Native Valve.**

Field Name: **VS-Tricuspid Proc-Imp-Type**

Short Name:	VSTrImTy	*SeqNo:*	3360
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Tricuspid Proc-Procedure

ParentValue: <> "No" And Is Not Missing

Missing Data: Report if parent is yes and child is null

Valid Data: None; M; B; H; A; R

Usual Range:

Description: Valve Surgery - Tricuspid Procedure - Implant Type

Definition: Indicate the type of implant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty

Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Tricuspid Proc-Imp**

Short Name: VSTrIm *SeqNo:* 3370

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Tricuspid Proc-Imp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

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; Other

Usual Range:

Description: Valve Surgery - Tricuspid Procedure - Implant

Definition: Select the name of the prosthesis implanted.

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; 777 = Other

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Field Name: **VS-Tricuspid Proc-Imp-Size**

Short Name:	VSTrImSz	*SeqNo:*	3380
Status:	Continued	*Core:*	Yes
Format:	Integer length 2	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	VS-Tricuspid Proc-Imp-Type		
ParentValue:	<> "None"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	5 - 50		
Usual Range:	10 - 40		
Description:	Valve Surgery - Tricuspid Procedure - Implant Size		
Definition:	Valve Surgery - Tricuspid Procedure - Implant Size		
Harvest Coding:			

Field Name: **VS-Tricuspid Proc-Exp-Type**

Short Name:	VSTrExTy	*SeqNo:*	3390
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	VS-Tricuspid Proc-Procedure		
ParentValue:	<> "No" And Is Not Missing		
Missing Data:	Report if parent is yes and child is null		

Valid Data: None; M; B; H; A; R

Usual Range:

Description: Valve Surgery - Tricuspid Procedure - Explant Type

Definition: Indicate the type of explant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty

Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Tricuspid Proc-Exp**

Short Name: VSTrEx *SeqNo:* 3400

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Tricuspid Proc-Exp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null, except if parent is Native Valve

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

Usual Range:

Description: Valve Surgery - Tricuspid Procedure - Explant

Definition: Select the name of the prosthesis explanted.

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

Change Type: ***Valid Data; MissingData***

Change Description: **Add ability to select Native Valve as explant. If native Valve is selected then size is missing.**

Vendor Notes: **Added Native Valve as option.**

Field Name: **VS-Tricuspid Proc-Exp-Size**

Short Name: VSTrExSz *SeqNo:* 3410

Status: Continued *Core:* Yes

Format: Integer length 2 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Tricuspid Proc-Exp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

Valid Data: 5 - 50

Usual Range: 10 - 40

Description: Valve Surgery - Tricuspid Procedure - Explant Size

Definition: Valve Surgery - Tricuspid Procedure - Explant Size

Harvest Coding:

Change Type: ***MissingData***

Change Description: **Allow size to be missing if explant is Native.**

Vendor Notes: **Allow missing data if explant is Native Valve.**

Field Name:	**VS-Pulmonic Proc-Imp-Type**		
Short Name:	VSPuImTy	*SeqNo:*	3420
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	VS-Pulmonic Proc-Procedure		
ParentValue:	<> "No" And Is Not Missing		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	None; M; B; H; A; R		
Usual Range:			
Description:	Valve Surgery - Pulmonic Procedure - Implant Type		
Definition:	Indicate the type of implant; choose one: None M = Mechanical B = Bioprosthesis H = Homograft A = Autograft R = Ring/Annuloplasty		
Harvest Coding:	1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R		

Field Name:	**VS-Pulmonic Proc-Imp**		
Short Name:	VSPuIm	*SeqNo:*	3430
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	VS-Pulmonic Proc-Imp-Type		
ParentValue:	<> "None"		
Missing Data:	Report if parent is yes and child is null		
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; Other

Usual Range:

Description: Valve Surgery - Pulmonic Procedure - Implant

Definition: Select the name of the prosthesis implanted.

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; 777 = Other

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Field Name: **VS-Pulmonic Proc-Imp-Size**

Short Name:	VSPuImSz	*SeqNo:*	3440
Status:	Continued	*Core:*	Yes
Format:	Integer length 2	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	VS-Pulmonic Proc-Imp-Type		
ParentValue:	<> "None"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	5 - 50		
Usual Range:	10 - 40		

Description: Valve Surgery - Pulmonic Procedure - Implant Size

Definition: Valve Surgery - Pulmonic Procedure - Implant Size

Harvest Coding:

Field Name: **VS-Pulmonic Proc-Exp-Type**

Short Name: VSPuExTy *SeqNo:* 3450

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Pulmonic Proc-Procedure

ParentValue: <> "No" And Is Not Missing

Missing Data: Report if parent is yes and child is null

Valid Data: None; M; B; H; A; R

Usual Range:

Description: Valve Surgery - Pulmonic Procedure - Explant Type

Definition: Indicate the type of explant; choose one:
None
M = Mechanical
B = Bioprosthesis
H = Homograft
A = Autograft
R = Ring/Annuloplasty

Harvest Coding: 1 = None; 2 = M; 3 = B; 4 = H; 5 = A; 6 = R

Field Name: **VS-Pulmonic Proc-Exp**

Short Name: VSPuEx *SeqNo:* 3460

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: VS-Pulmonic Proc-Exp-Type

ParentValue: <> "None"

Missing Data: Report if parent is yes and child is null

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

Usual Range:

Description: Valve Surgery - Pulmonic Procedure - Explant

Definition: Select the name of the prosthesis explanted.

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

Change Type: ***Valid Data; MissingData***

Change Description: **Add ability to select Native Valve as explant. If native Valve is selected then size is missing.**

Vendor Notes: **Added Native Valve as option.**

Field Name: **VS-Pulmonic Proc-Exp-Size**

Short Name: VSPuExSz *SeqNo:* 3470

Status: Continued *Core:* Yes

Format: Integer length 2 *Harvest:* Yes

Data Source: User
Default: (null/blank = missing)
Parent Field: VS-Pulmonic Proc-Exp-Type
ParentValue: <> "None"
Missing Data: Report if parent is yes and child is null, except if parent is Native Valve
Valid Data: 5 - 50
Usual Range: 10 - 40
Description: Valve Surgery - Pulmonic Procedure - Explant Size
Definition: Valve Surgery - Pulmonic Procedure - Explant Size
Harvest Coding:
Change Type: *MissingData*
Change Description: Allow size to be missing if explant is Native.
Vendor Notes: Allow missing data if explant is Native Valve.

M. Operative Techniques

Field Name: **Cardiopulmonary Bypass Used**
Short Name: CPBUsed *SeqNo:* 3478
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Cardiopulmonary Bypass Used
Definition: Indicate if Cardiopulmonary Bypass was used at anytime during the procedure
Harvest Coding: 1 = Yes; 2 = No
Change Type: Sequence Number; deleted parent child relationship
Change Description: Change section name from "Minimally Invasive" to "Operative Techniques", change SeqNo from 3750 to 3478, change definition and delete OpMinInv as parent field

Field Name: **Conversion to CPB**
Short Name: ConvCPB *SeqNo:* 3479
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)

Parent Field: Cardiopulmonary Bypass Used
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Yes; No
Usual Range:
Description: Conversion to Cardiopulmonary Bypass
Definition: Indicate whether the patient needed to be placed on cardiopulmonary bypass after the off-pump procedure was attempted.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field

Field Name: **Indication**
Short Name: IndMnInv *SeqNo:* 3480
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Not minimally invasive; Surg/Pat Choice; Contraind Std Approach; Comb Cath Intervention
Usual Range:
Description: Primary Indication for minimally invasive approach
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.
Harvest Coding: 0 = Not minimally invasive; 1 = Surg/Pat Choice; 2 = Contraind Std Approach; 3 = Comb Cath Intervention
Change Type: Section name; delete parent child relationship; change valid data
Change Description: Change section name from "Minimally Invasive" to "Operative Techniques", remove OpMinInv as parent field, and add 0 = Not minimally invasive to Valid Data, Definition and Harvest Coding.

Field Name: **Primary Incision**
Short Name: PrimInc *SeqNo:* 3490
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

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

Usual Range:

Description: Primary Incision

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

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; 8 = Posterolateral Thoracotomy; 9 = Xiphoid; 10 = Epigastric; 11 = Subcostal

Change Type: Section name; delete parent child relationship; definition change

Change Description: Change section name from "Minimally Invasive" to "Operative Techniques", remove OpMinInv as parent field, and change definition.

Field Name: **Total Number of Incisions**

Short Name: NumIncis *SeqNo:* 3500

Status: Changed *Core:* Yes

Format: Integer length 1 *Harvest:* Yes

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: 1 - 9

Usual Range:

Description: Total Number of Incisions

Definition: Total number of incisions, including portholes in chest and other locations such as groin or neck, for cannulation or instrumentation access.

Harvest Coding:

Change Type: Section name; delete parent child relationship

Change Description: Change section name from "Minimally Invasive" to "Operative Techniques" and remove OpMinInv as parent field

Field Name:	**Conversion to Std Incision**		
Short Name:	CnvStdIn	*SeqNo:*	3510
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	Report		
Valid Data:	Not minimally invasive; Yes; No		
Usual Range:			
Description:	Conversion to Standard Incision		
Definition:	Indicate whether the minimally invasive incision was converted to a full median sternotomy.		
Harvest Coding:	0 = Not minimally invasive; 1 = Yes; 2 = No		
Change Type:	**Section name; delete parent child relationship; valid data change**		
Change Description:	**Change section name from "Minimally Invasive" to "Operative Techniques", remove OpMinInv as parent field, and add 0=Not minimally invasive to Valid Data and Harvest Coding.**		

Field Name:	**Conversion Indication**		
Short Name:	CnvIndic	*SeqNo:*	3520
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	Conversion to Std Incision		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	Not minimally invasive; Exposure; Bleeding; Rhythm; Hypotension; Conduit		
Usual Range:			
Description:	Indication for conversion to standard incision		
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.		
Harvest Coding:	0 = Not minimally invasive; 1 = Exposure; 2 = Bleeding; 3 = Rhythm; 4 = Hypotension; 5 = Conduit		
Change Type:	**Section name; MissingData change; valid data change**		

Change Description: **Change section name from "Minimally Invasive" to "Operative Techniques", change Missing Data from Report to Report if parent is yes and child is null, and add 0 = not minimally invasive to Valid Data and Harvest Coding.**

Field Name: **Cannulation Method**

Short Name: Cannulat *SeqNo:* 3760

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: None (no CPB); Aorta and Fem/Jug Vein; Fem Art and Fem/Jug Vein; Aorta and Atrial/Caval; Fem Art and Atrial/Caval; Other

Usual Range:

Description: Cannulation Methods for Cardiopulmonary Bypass

Definition: Indicate the method of cannulation used for cardiopulmonary bypass (select one):
None (no CPB).
Aorta and Femoral/Jugular Vein.
Femoral Artery and Femoral/Jugular Vein.
Aorta and Atrial/Caval.
Femoral Artery and Atrial/Caval.
Other.

Harvest Coding: 0 = None (no CPB); 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

Change Type: **Section name; delete parent child relationship**

Change Description: **Change section name from "Minimally Invasive" to "Operative Techniques" and remove CPBUsed as parent field**

Field Name: **Aortic Occlusion**

Short Name: AortOccl *SeqNo:* 3880

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: None; Crossclamp; Balloon Occlusion

Usual Range:

Description: Aortic Occlusion Method

Definition: Indicate if aortic occlusion was used, and if so, by which method:

None
Aortic Crossclamp
Balloon Occlusion.

Harvest Coding: 1 = None; 2 = Crossclamp; 3 = Balloon Occlusion

Change Type: Section name; MissingData change

Change Description: Change section name from "Minimally Invasive" to "Operative Techniques" and remove Cardiopulmonary Bypass Used as parent field.

Field Name: **Intracoronary Shunt Used**

Short Name: CorShunt *SeqNo:* 3930

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Intracoronary Shunt was used during distal anastomoses.

Definition: Intracoronary Shunt was used during distal anastomoses.

Harvest Coding: 1 = Yes; 2 = No

Change Type: Section name; delete parent child relationship

Change Description: Change section name from "Minimally Invasive" to "Operative Techniques" and remove OpMinInv as parent field

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Field Name: **Suture Technique**

Short Name: SutrTech *SeqNo:* 4040

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Running; Interrupted; Stapler; Combination

Usual Range:

Description: Suture Technique

Definition: Primary suture technique used for distal anastomoses.

Harvest Coding: 1 = Running; 2 = Interrupted; 3 = Stapler; 4 = Combination

Change Type: Section name; delete parent child relationship

Change Description: **Change section name from "Minimally Invasive" to "Operative Techniques" and remove Min Invasive Proc Attempted as Parent Field.**

Field Name: **Vessel Stabilization**

Short Name: VslStblz *SeqNo:* 4050

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: None; Suture Snare; Suction Device; Compression; Other

Usual Range:

Description: Vessel Stabilization Technique

Definition: Indicate if any technique was used for coronary artery stabilization during the anastomoses, and which one:
None
Suture Snare
Suction Device
Compression
Other

Harvest Coding: 1 = None; 2 = Suture Snare; 3 = Suction Device; 4 = Compression; 777 = Other

Change Type: **Section name; delete parent child relationship**

Change Description: **Change section name from "Minimally Invasive" to "Operative Techniques" and remove Min Invasive Proc Attempted as Parent Field.**

Field Name: **IMA Harvest Technique**

Short Name: IMATechn *SeqNo:* 4070

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: None; Direct Vision; Thoracoscopy; Combination

Usual Range:

Description: Technique of IMA Harvest

Definition: Technique of IMA Harvest

Harvest Coding: 1 = None; 2 = Direct Vision; 3 = Thoracoscopy; 4 = Combination

Change Type: **Section name; delete parent child relationship**

Change Description: **Change section name from "Minimally Invasive" to "Operative Techniques" and remove Min Invasive Proc Attempted as Parent Field.**

Field Name: **Flow/Patency Check**

Short Name: FlowPtcy *SeqNo:* 4080

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: None; IntraOp Doppler; IntraOp Angio; Postop Angio; Postop Doppler

Usual Range:

Description: Acute Flow/Patency Assessment of Grafts (Perioperative)

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.

Harvest Coding: 1 = None; 2 = IntraOp Doppler; 3 = IntraOp Angio; 4 = Postop Angio; 5 = Postop Doppler

Change Type: **Section name; delete parent child relationship**

Change Description: **Change section name from "Minimally Invasive" to "Operative Techniques" and remove Min Invasive Proc Attempted as Parent Field.**

N. Other Cardiac

Field Name: **Other Card-LVA**
Short Name: OCarLVA *SeqNo:* 4150
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Left Ventricular Aneurysm Repair
Definition: Other Cardiac Procedure - Left Ventricular Aneurysm Repair
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-VSD**
Short Name: OCarVSD *SeqNo:* 4160
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Ventricular Septal Defect Repair
Definition: Other Cardiac Procedure - Ventricular Septal Defect Repair
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-ASD**
Short Name: OCarASD *SeqNo:* 4170
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes

Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Atrial Septal Defect Repair
Definition: Other Cardiac Procedure - Atrial Septal Defect Repair
Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Batista**
Short Name: OCarBati *SeqNo:* 4180
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Batista
Definition: (Left Ventricular Reduction Myoplasty)
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.
Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Surgical Ventricular Restoration**
Short Name: OCarSVR *SeqNo:* 4185
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"

Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Surgical Ventricular Restoration
Definition: Surgical Ventricular Restoration includes 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).
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field

Field Name: **Other Card-Congenital**
Short Name: OCarCong *SeqNo:* 4190
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Congenital defect repair
Definition: Other Cardiac Procedure - Congenital defect repair
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Transmyocardial**
Short Name: OCarLasr *SeqNo:* 4200
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Transmyocardial Laser Revascularization

Definition: Creation of multiple channels in left ventricular myocardium with a laser fiber.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Cardiac Trauma**

Short Name: OCarTrma *SeqNo:* 4210

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Other Card

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Other Cardiac Procedure - Cardiac Trauma

Definition: Other Cardiac Procedure - Cardiac Trauma

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Card Tx**

Short Name: OCarCrTx *SeqNo:* 4220

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Other Card

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Other Cardiac Procedure - Cardiac Transplant

Definition: Cardiac Transplant: Heterotopic or Orthotopic heart transplantation

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Pacemaker**

Short Name: OCarPace *SeqNo:* 4230
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Permanent Pacemaker
Definition: Other Cardiac Procedure - Permanent Pacemaker
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-AICD**
Short Name: OCarAICD *SeqNo:* 4240
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Automatic Implanted Cardioverter Defibrillator
Definition: Other Cardiac Procedure - Automatic Implanted Cardioverter Defibrillator
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Other Card-Other**
Short Name: OCarOthr *SeqNo:* 4250
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Card

ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Cardiac Procedure - Other
Definition: Other Cardiac Procedure - Other
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

O. Other Non Cardiac

Field Name: **Other Non Card-Ao Aneur**
Short Name: ONCAoAn *SeqNo:* 4260
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Non Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Non Cardiac Procedure - Aortic Aneurysm
Definition: Aortic Aneurysm/Dissection repair.
Harvest Coding: 1 = Yes; 2 = No

Field Name: **Other Non Card-Caro Endart**
Short Name: ONCCarEn *SeqNo:* 4320
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Other Non Card
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Other Non Cardiac Procedure - Carotid Endarterectomy
Definition: Surgical removal of stenotic atheromatous plaque.

Harvest Coding: 1 = Yes; 2 = No

Field Name: **Other Non Card-Other Vasc**

Short Name: ONCOVasc *SeqNo:* 4330

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Other Non Card

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Other Non Cardiac Procedure - Other Vascular

Definition: Procedures correcting peripheral vascular occlusion.

Harvest Coding: 1 = Yes; 2 = No

Field Name: **Other Non Card-Other Thor**

Short Name: ONCOThor *SeqNo:* 4340

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Other Non Card

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Other Non Cardiac Procedure - Other Thoracic

Definition: Procedures involving Thorax/Pleura.

Harvest Coding: 1 = Yes; 2 = No

P. CPB and Support

Field Name: **Skin Incision Start Time**
Short Name: SIStartT *SeqNo:* 4347
Status: New *Core:* Yes
Format: Integer length 4 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 0 - 2359
Usual Range: 0 - 2359
Description: Skin Incision Start Time
Definition: Document to the nearest minute (using 24 hour clock) the time the skin incision was made.
Harvest Coding:
Change Type: **New Field**
Change Description: **Add field**
Vendor Notes: **Change Usual Range from 0-2400 to 0-2359**

Field Name: **Skin Incision Stop Time**
Short Name: SIStopT *SeqNo:* 4348
Status: New *Core:* Yes
Format: Integer length 4 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 0 - 2359
Usual Range: 0 - 2359
Description: Skin Incision Stop Time
Definition: Document to the nearest half hour (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.
Harvest Coding:
Change Type: **New Field**
Change Description: **Add field**
Vendor Notes: **Change Usual Range from 0-2400 to 0-2359**

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

Short Name: XClampTm *SeqNo:* 4350
Status: Changed *Core:* Yes
Format: Integer length 3 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 1 - 600
Usual Range: 1 - 180
Description: Cross Clamp Time (min)
Definition: Total number of minutes the aorta is completely cross-clamped during bypass. Leave Blank if no cross-clamp was used.
Harvest Coding:
Change Type: Modified Definition, Valid Data
Change Description: Change Definition, change Valid Data from 0 - 600 to 1 - 600 and change Usual Range from 0 - 180 to 1 - 180.
Vendor Notes: Change Usual Range from 0-2400 to 0-2359

Field Name: **Perfusion Time (min)**
Short Name: PerfusTm *SeqNo:* 4360
Status: Changed *Core:* Yes
Format: Integer length 3 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 1 - 999
Usual Range: 1 - 300
Description: Perfusion Time (min)
Definition: Total number of minutes on cardiopulmonary bypass. Leave Blank if no cardiopulmonary bypass was used.
Harvest Coding:
Change Type: Modified Definition, Valid Data
Change Description: Change Definition, change Valid Data from 0 - 999 to 1 - 999 and change Usual Range from 0 - 300 to 1 - 300.

Field Name: **Cardioplegia**
Short Name: Cplegia *SeqNo:* 4380
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes

Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Cardioplegia
Definition: Cardioplegia
Harvest Coding: 1 = Yes; 2 = No

Field Name: **IABP**
Short Name: IABP *SeqNo:* 4480
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Intra-Aortic Balloon Pump
Definition: Was the patient placed on Intra-Aortic Balloon Pump (IABP)?
Harvest Coding: 1 = Yes; 2 = No

Field Name: **IABP-When Inserted**
Short Name: IABPWhen *SeqNo:* 4490
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: IABP
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Preop; Intraop; Postop
Usual Range:
Description: Intra-Aortic Balloon Pump - When Inserted
Definition: What was the time of earliest IABP insertion? Choose one of the following: Preoperatively.

Intraoperatively.
Postoperatively.

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

Field Name: **IABP-Indication**

Short Name:	IABPInd	*SeqNo:*	4500
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:	IABP		
ParentValue:	= "Yes"		
Missing Data:	Report if parent is yes and child is null		
Valid Data:	Hemodyn Instab; PTCA Support; Unstable Angina; CPB Wean; Prophylactic		
Usual Range:			
Description:	Intra-Aortic Balloon Pump - Indication		

Definition: What was the PRIMARY reason for inserting the IABP? Choose one of the following:
Hemodynamic Instability.
PTCA Support.
Unstable Angina.
Cardiopulmonary bypass (CPB) weaning failure.
Prophylactic.

Harvest Coding: 1 = Hemodyn Instab; 2 = PTCA Support; 3 = Unstable Angina; 4 = CPB Wean; 5 = Prophylactic

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Field Name: **VAD**

Short Name:	VAD	*SeqNo:*	4550
Status:	Continued	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes
Data Source:	User		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	Report		
Valid Data:	Yes; No		
Usual Range:			
Description:	Ventricular Assist Device		

Definition: Ventricular Assist Device
Was a VAD used at the time the patient left the operating room?

Harvest Coding: 1 = Yes; 2 = No

Q. PostOperative

Field Name: **Blood Prod**
Short Name: BldProd *SeqNo:* 4630
Status: Continued *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Blood Products Used
Definition: Were Blood Products transfused postoperatively?
Do not include:
1. Pre-donated Blood
2. Cellsaver Blood
3. Pump Residual Blood
4. Chest Tube Recirculated Blood

Harvest Coding: 1 = Yes; 2 = No

Field Name: **Initial Hours Ventilated**
Short Name: VentHrsI *SeqNo:* 4676
Status: New *Core:* Yes
Format: Integer length 4 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: 1 - 5000
Usual Range: 1 - 168
Description: Initial Hours ventilated postop
Definition: Indicate the number of initial hours post operation for which the patient was ventilated before any reintubation. Number of hours includes hours ventilated post-operatively till removal of the endotracheal tube or if patient has tracheostomy tube, till 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"
Harvest Coding:
Change Type: New Field
Change Description: Add field

Vendor Notes: If VentHrsI Greater Than (GT) 24 hours then (sequence #5050) CPVntLngs is yes.

Field Name: **Re-intubated During Hospital Stay**
Short Name: ReIntub *SeqNo:* 4678
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Re-intubated during hospital stay
Definition: Was the patient re-intubated during the hospital stay after the initial/planned extubation?
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field; *Remove Parent*
Change Description: Add field; *Change ParentField to null from "Initial Number of Hours Ventilated Post op". Change ParentValue to null from "is Not Missing". Change MissingData to "(no action)" from "Report if parent is yes and child is null".*

Field Name: **Additional Hours Ventilated**
Short Name: VentHrsA *SeqNo:* 4679
Status: New *Core:* Yes
Format: Integer length 4 *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Re-intubated During Hospital Stay
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: 1 - 5000
Usual Range: 1 - 168
Description: Number of additional hours ventilated postop after initial extubation
Definition: How many additional hours was the patient ventilated postoperatively?
Harvest Coding:
Change Type: New Field
Change Description: Add field

Field Name: **Postop Vent Hours - Total**
Short Name: VentHrs *SeqNo:* 4680
Status: Changed *Core:* Yes

Format: Integer length 4 *Harvest:* Yes

Data Source: User or Calculated

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: 1 - 5000

Usual Range: 1 - 168

Description: Total number of Hours Ventilated Postop

Definition: Total number of hours including any re-intubation hours. Any patient ventilated > 24 hours is coded as a Pulmonary Complication of "Prolonged Ventilation"

Harvest Coding:

Change Type: **Modified Definition, Valid Data**

Change Description: **Change Description, change Definition, change Valid Data from 0 - 5000 to 1 - 5000 and change Usual Range from 0 - 168 to 1 - 168.**

Vendor Notes: **If VentHrs GT 24 hours then (sequence) #5050 CPVLng=Yes. VentHrs=VentHrsI+VentHrsA. Can be a calculated field.**

R. Complications

Field Name: **Comps-Complications**

Short Name: Complics *SeqNo:* 4760

Status: Continued *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report

Valid Data: Yes; No

Usual Range:

Description: Complications

Definition: Did a postoperative complication occur during the hospitalization for surgery? This includes the entire postoperative period up to discharge, even if over 30 days.

Harvest Coding: 1 = Yes; 2 = No

Field Name: **Comps-Op-ReOp Bleed/Tamponade**

Short Name: COpReBld *SeqNo:* 4840

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Operative - ReOperation for Bleeding/tamponade
Definition: Operative re-intervention was required for bleeding/tamponade.
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition; MissingData change
Change Description: Change definition, change field name from "Comps-Op-ReOp Bleed" to "Comps-Op-ReOp Bleed/Tamponade" and change Missing Data from Report to (no action).
Vendor Notes: COpReBld is yes when a re-intervention was required due to Bleeding/tamponade

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Field Name: **Comps-Op-ReOp Vlv Dys**
Short Name: COpReVlv *SeqNo:* 4850
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Operative - ReOperation for Valvular Dysfunction
Definition: Operative re-intervention was required for valve dysfunction.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Op-ReOp Gft Occl**
Short Name: COpReGft *SeqNo:* 4860
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No

Usual Range:

Description: Complications - Operative - ReOperation for Graft Occlusion

Definition: Operative re-intervention was required for coronary graft occlusion.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Op-ReOp Other Card**

Short Name: COpReOth *SeqNo:* 4870

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Operative - ReOperation for Other Cardiac Problem

Definition: Operative re-intervention was required for other cardiac reasons.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Op-ReOp Other Non Card**

Short Name: COpReNon *SeqNo:* 4880

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Operative - ReOperation for Other Non Cardiac Problem

Definition: Operative re-intervention was required for other non-cardiac reasons. It does include minor procedures that do require a return to the operating room but does not include procedures performed outside the OR (i.e. GI Lab for peg tube, shunts for dialysis etc), but may include procedures such as tracheostomy, hematoma evacuation).

Harvest Coding: 1 = Yes; 2 = No

Change Type: Definition change; MissingData change

Change Description: Change Missing Data from Report to (no action) and change definition.

Field Name: **Comps-Op-Perioperative MI**

Short Name: COpPerMI *SeqNo:* 4890

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Operative - Perioperative Myocardial Infarction

Definition: A perioperative Myocardial Infarction (MI) is diagnosed by finding at least two of the following four criteria:
a. Prolonged (> 20 min) typical chest pain not relieved by rest and/or nitrates.
b. Enzyme level elevation: either (1) CK-MB > 5% of total CPK; (2) CK greater than 2x normal; (3) LDH subtype 1 > LDH subtype 2; or (4) troponin > 0.2 micrograms / ml.
c. New wall motion abnormalities.
d. Serial ECG (at least two) showing changes from baseline or serially in ST-T and/or Q waves that are 0.03 seconds in width and/or > or + one third of the total QRS complex in two or more contiguous leads.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Infect-Stern Deep**

Short Name: CIStDeep *SeqNo:* 4920

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Infection - Sternum - Deep

Definition: A deep sternal infection involves muscle, bone, and/or mediastinum.
Must have one of the following conditions:
1. Wound opened with excision of tissue (I&D)

2. Positive culture
3. Treatment with antibiotics

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Infect-Thoracotomy**

Short Name: CIThor *SeqNo:* 4930

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Infection - Thoracotomy

Definition: 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

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Infect-Leg**

Short Name: CILeg *SeqNo:* 4940

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Infection - Leg

Definition: 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

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Infect-Septicemia**

Short Name: CISeptic *SeqNo:* 4960

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Infection - Septicemia

Definition: Septicemia (Requires Positive Blood Cultures) postoperatively.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Infect-UTI**

Short Name: CIUTI *SeqNo:* 4970

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Infection - Urinary Tract Infection

Definition: UTI-Urinary Tract Infection (Positive Urine Cultures) postoperatively.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Neuro-Stroke Perm**
Short Name: CNStrokP *SeqNo:* 5000
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Neurologic - Stroke
Definition: A central neurologic deficit persisting for > 72 hours.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Neuro-Stroke Trans**
Short Name: CNStrokT *SeqNo:* 5010
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Neurologic - Transient
Definition: A transient neurologic deficit (TIA recovery within 24 hours; RIND recovery within 72 hours)
Harvest Coding: 1 = Yes; 2 = No
Change Type: Definition change; MissingData change
Change Description: Change Missing Data from Report to (no action) and change definition.

Field Name: **Comps-Neuro-Cont Coma >=24Hrs**
Short Name: CNComa *SeqNo:* 5030
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)

Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Neurologic - Continuous Coma >=24Hrs
Definition: New postoperative coma that persists for at least 24 hours.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Pulm-Vent Prolonged**
Short Name: CPVntLng *SeqNo:* 5050
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Pulmonary Insufficiency - Prolonged Ventilation
Definition: Pulmonary Insufficiency requiring ventilatory support - includes (but not limited to) causes such as ARDS and pulmonary edema and/or any patient ventilated > 24 hours postoperatively.
Harvest Coding: 1 = Yes; 2 = No
Change Type: Modified Definition; MissingData Change
Change Description: Change definition and change Missing Data from Report to (no action).
Vendor Notes: If (sequence # 4676) VentHrsI or (sequence #4679) VentHrsA or (sequence #4680) VentHrs GT 24 hours then CPVntLng = yes

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Field Name: **Comps-Pulm-Pulm Embolism**
Short Name: CPPulEmb *SeqNo:* 5070
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No

Usual Range:

Description: Complications - Pulmonary - Pulmonary Embolism

Definition: Pulmonary Embolism diagnosed by study such as V/Q scan or angiogram.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Pulm-Pneumonia**

Short Name: CPPneum *SeqNo:* 5100

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Pulmonary - Pneumonia

Definition: Pneumonia diagnosed by one of the following: Positive cultures of sputum, blood, pleural fluid, empyema fluid, transtracheal fluid or transthoracic fluid; consistent with the diagnosis and clinical findings of pneumonia. May include chest X-ray diagnostic of pulmonary infiltrates.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Renal-Renal Failure**

Short Name: CRenFail *SeqNo:* 5120

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Renal - Renal Failure

Definition: Acute or worsening renal failure resulting in one or more of the following:
a. increase of serum creatinine to > 2.0 & 2x the baseline creatinine level
b. A new requirement for dialysis.

Harvest Coding: 1 = Yes; 2 = No

Change Type: Definition change; MissingData change

Change Description: Change Missing Data from Report to (no action) and change definition.

Field Name: **Comps-Renal-Dialysis Req**

Short Name: CRenDial *SeqNo:* 5130

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Renal - Dialysis Required

Definition: Requirement for dialysis post procedure?

Harvest Coding: 1 = Yes; 2 = No

Change Type: Core change

Change Description: Change Core from No to Yes and change definition.

Field Name: **Comps-Vasc-Ao Dissect**

Short Name: CVaAoDis *SeqNo:* 5220

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Vascular - Aortic Dissection

Definition: Dissection occurring in any part of the aorta.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Vasc-Illiac/Fem Dissect**

Short Name: CVaIlFem *SeqNo:* 5230

Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Vascular - Illiac/Femoral Dissection
Definition: Dissection occurring in the iliac or femoral arteries.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Vasc-Acute Limb Isch**
Short Name: CVaLbIsc *SeqNo:* 5240
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Vascular - Acute Limb Ischemia
Definition: Any complication producing limb ischemia.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Other-Heart Block**
Short Name: COtHtBlk *SeqNo:* 5260
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"

Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Other - Heart Block
Definition: New heart block requiring the implantation of a permanent pacemaker prior to discharge.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Other-Card Arrest**
Short Name: COtArrst *SeqNo:* 5270
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Other - Cardiac Arrest
Definition: A cardiac arrest documented by one of the following:
a. ventricular fibrillation
b. rapid ventricular tachycardia with hemodynamic instability
c. asystole.
Harvest Coding: 1 = Yes; 2 = No
Change Type: MissingData change
Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Other-Anticoag Comps**
Short Name: COtCoag *SeqNo:* 5280
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Comps-Complications
ParentValue: = "Yes"
Missing Data: (no action)
Valid Data: Yes; No
Usual Range:
Description: Complications - Other - Anticoagulant Complication

Definition: Bleeding, hemorrhage, and/or embolic events related to anticoagulant therapy.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Other-Tamponade**

Short Name: COtTamp *SeqNo:* 5290

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Other - Tamponade

Definition: Fluid in the pericardial space compromising cardiac filling, and requiring intervention. This should be documented by either:
a. echo showing pericardial fluid and signs of tamponade such as right heart compromise, or
b. systemic hypotension due to pericardial fluid compromising cardiac function.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Vendor Notes: This field is checked yes when COtTamp occurs as a complication during initial surgery.

Field Name: **Comps-Other-GI Comps**

Short Name: COtGI *SeqNo:* 5300

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Other - Gastro-Intestinal Complication

Definition: 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.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Other-Multi Sys Fail**

Short Name:	COtMSF	*SeqNo:*	5310
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Other - Multi-System Failure

Definition: Two or more major organ systems suffer compromised functions.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

Field Name: **Comps-Other-A Fib**

Short Name:	COtAFib	*SeqNo:*	5320
Status:	Changed	*Core:*	Yes
Format:	Text (categorical values specified by STS)	*Harvest:*	Yes

Data Source: User

Default: (null/blank = missing)

Parent Field: Comps-Complications

ParentValue: = "Yes"

Missing Data: (no action)

Valid Data: Yes; No

Usual Range:

Description: Complications - Other - Atrial Fibrillation

Definition: New onset of atrial fibrillation/flutter (AF) requiring treatment. Does not include recurrence of AF which had been present preoperatively.

Harvest Coding: 1 = Yes; 2 = No

Change Type: MissingData change

Change Description: Change Missing Data from Report to (no action).

S. Discharge

Field Name: **DC Meds-Aspirin**
Short Name: DCASA *SeqNo:* 5331
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Discharge Medications - ASA
Definition: Indicate whether or not the patient was discharged from facility on ASA.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field
Vendor Notes: If Patient dies during admission then field is not completed.

Field Name: **Ace-Inhibitors - Discharge**
Short Name: DCACE *SeqNo:* 5332
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Discharge Medications - ACE-Inhibitors
Definition: Indicate whether or not the patient was discharged from facility on ACE- Inhibitors.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field
Vendor Notes: If Patient dies during admission then field is not completed.

Field Name: **Beta Blockers - Discharge**
Short Name: DCBeta *SeqNo:* 5333

Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Discharge Medications - Beta Blockers
Definition: Indicate whether or not the patient was discharged on beta blockers.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field
Vendor Notes: If Patient dies during admission then field is not completed.

Field Name: **Lipid Lowering - Discharge**
Short Name: DCLipid *SeqNo:* 5334
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Discharge Medications - Lipid Lowering
Definition: Indicate whether or not the patient was discharged from facility on any lipid lowering medication.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field
Vendor Notes: If Patient dies during admission then field is not completed.

Field Name: **Other Antiplatelets - Discharge**
Short Name: DCAntPlt *SeqNo:* 5335
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:

ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Discharge Medications - Other Anti-platelets
Definition: Indicate whether or not the patient was discharged from facility on Other Anti-platelets.
Harvest Coding: 1 = Yes; 2 = No
Change Type: New Field
Change Description: Add field
Vendor Notes: If Patient dies during admission then field is not completed.

Field Name: **Discharge Location**
Short Name: DisLoctn *SeqNo:* 5336
Status: New *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Home; Extended Care/TCU; Other Hospital; Nsg Home; Other
Usual Range:
Description: Discharge Location
Definition: Location to where the patient was discharged.
Harvest Coding: 1 = Home; 2 = Extended Care/TCU; 3 = Other Hospital; 4 = Nursing Home; 777 = Other
Change Type: New Field
Change Description: Add field *Change Missing Data from Report & Warn to Report*
Vendor Notes: If Patient dies during admission then field is not completed. *As field may be blank in this situation, MissingData is Report and not Report & Warn.

T. Mortality

Field Name: **Mort-Mortality**
Short Name: Mortalty *SeqNo:* 5337
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report & Warn
Valid Data: Yes: No
Usual Range:
Description: Mortality
Definition: Patient death, either in hospital or long-term.
Harvest Coding: 1 = Yes; 2 = No
Change Type: **New core field from extended, changed sequence #**
Change Description: **Change Section letter from S to T, change SeqNo from 5390 to 5337, change Core from No to Yes, and change Missing Data from (no action) to Report & Warn**
Vendor Notes: **If Mortalty = yes then MtDcStat; Mt30Stat; MtOpD; MtDate,MtLocatn; MtCause should be confirmed.**

Field Name: **Mort-DC Status**
Short Name: MtDCStat *SeqNo:* 5340
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report & Warn
Valid Data: Alive; Dead
Usual Range:
Description: Mortality - Discharge Status (alive or dead)
Definition: Specify whether the patient was alive or dead at discharge from the hospitalization in which surgery occurred.
Harvest Coding: 1 = Alive; 2 = Dead
Change Type: **Section letter**
Change Description: **Change Section letter from S to T.**
Vendor Notes: **If MtDCStat = Dead then Mortality; Mt30Stat; MtOpD; MtDate,MtLocatn; MtCause should be confirmed.**

Field Name: **Mort-30d Status**

Short Name: Mt30Stat *SeqNo:* 5350

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: Report & Warn

Valid Data: Alive; Dead

Usual Range:

Description: Mortality - Status at 30 days after surgery (alive or dead)

Definition: Specify whether the patient was alive or dead at 30 days post surgery (whether in hospital or not).

Harvest Coding: 1 = Alive; 2 = Dead

Change Type: Section letter

Change Description: Change Section letter from S to T.

Vendor Notes: If Mt30Stat =Dead then Mortality; MtDCStat; MtOpD; MtDate,MtLocatn; MtCause should be confirmed.

Field Name: **Mort-Op Death**

Short Name: MtOpD *SeqNo:* 5355

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Mort-Mortality

ParentValue: = "Yes"

Missing Data: Report & Warn if parent is yes and child is null

Valid Data: Yes; No

Usual Range:

Description: Mortality - Operative Death

Definition: 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.

Harvest Coding: 1 = Yes; 2 = No

Change Type: Section letter; Parent added

Change Description: Change Section letter from S to T, change SeqNo from 5400 to 5355, add Mort-Mortality as Parent Field and change Missing Data from Report & Warn to Report & Warn if parent is yes and child is null

Vendor Notes: If MtOpD is present then Mortality; MtDCStat; Mt30Stat; MtDate,MtLocatn; MtCause should be confirmed. Warehouse edits: If Mort – DC Status (MtDCStat) = Dead or Mort

– Date (MtDate) = Date of Discharge (DischDt) then Mort – Op Death (MtOpD) is set to Yes. If Mort – Op Death (MtOpD) is missing, then If Mort – 30d Status (Mt30Stat) = Dead or Mort – Date (MtDate) is within 30 days of Date of Surgery (SurgDt) then Mort – Op Death (MtOpD) is set to Yes.

Field Name: **Mort-Date**

Short Name: MtDate *SeqNo:* 5360

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Mort-Mortality

ParentValue: = "Yes"

Missing Data: Report & Warn if parent is yes and child is null

Valid Data: (Between Discharge and system date)

Usual Range: (Within 1 year before system date)

Description: Mortality - Date

Definition: What was the date of death?

Harvest Coding:

Change Type: **Section letter; Parent added**

Change Description: **Change Section letter from S to T, add Mort-Mortality as Parent Field and change Missing Data from (no action) to Report & Warn if parent is yes and child is null**

Vendor Notes: **If MtDate is present then Mortality; MtDCStat; Mt30Stat; MtOpD; ,MtLocatn; MtCause should be confirmed.**

Field Name: **Mort-Location**

Short Name: MtLocatn *SeqNo:* 5370

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Mort-Mortality

ParentValue: = "Yes"

Missing Data: Report & Warn if parent is yes and child is null

Valid Data: OR; Hosp; Home; Other Facility

Usual Range:

Description: Mortality - Location of Death

Definition: Specify the patient location at time of death:
Operating Room (OR).
Hospital (Other than Operating Room).
Home.
Other Care Facility.

Harvest Coding: 1 = OR; 2 = Hosp; 3 = Home; 4 = Other Facility

Change Type: **Section letter; Parent added**

Change Description: **Change Section letter from S to T, add Mort-Mortality as Parent Field and change Missing Data from (no action) to Report & Warn if parent is yes and child is null.**

Vendor Notes: **If MortLocatn is present then Mortality; MtDCStat; Mt30Stat; MtOpD; MtDate, MtCause should be confirmed.**

Field Name: **Mort-Prim Cause**

Short Name: MtCause *SeqNo:* 5380

Status: Changed *Core:* Yes

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

Data Source: User

Default: (null/blank = missing)

Parent Field: Mort-Mortality

ParentValue: = "Yes"

Missing Data: Report & Warn if parent is yes and child is null

Valid Data: Cardiac; Neurologic; Renal; Vascular; Infection; Pulmonary; Valvular; Other

Usual Range:

Description: Mortality - Cause of Death

Definition: Specify 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
Other

Harvest Coding: 1 = Cardiac; 2 = Neurologic; 3 = Renal; 4 = Vascular; 5 = Infection; 6 = Pulmonary; 7 = Valvular; 777 = Other

Change Type: **Section letter; Parent added**

Change Description: **Change Section letter from S to T, add Mort-Mortality as Parent Field and change Missing Data from (no action) to Report & Warn if parent is yes and child is null.**

Vendor Notes: **If MtCause is present then Mortality; MtDCStat; Mt30Stat; MtOpD; MtDate,MtLocatn should be confirmed.**

U. Readmission

Field Name: **Readmit <=30 Days from DOP**
Short Name: Readm30 *SeqNo:* 5500
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: Report
Valid Data: Yes; No
Usual Range:
Description: Readmit <=30 Days from Date of Procedure
Definition: Patient was readmitted as an in-patient within 30 days from the date of surgery for ANY reason.
Harvest Coding: 1 = Yes; 2 = No
Change Type: Section letter
Change Description: Change Section letter from T to U.
Vendor Notes: If Patient dies during admission then field is not completed.

Field Name: **Readmit Reason**
Short Name: ReadmRsn *SeqNo:* 5510
Status: Changed *Core:* Yes
Format: Text (categorical values specified by STS) *Harvest:* Yes
Data Source: User
Default: (null/blank = missing)
Parent Field: Readmit <=30 Days from DOP
ParentValue: = "Yes"
Missing Data: Report if parent is yes and child is null
Valid Data: Anticoagulant Complication; Arryhthmias/Heart Block/Pacemaker Insertion/AICD; Congestive Heart Failure (CHF); Myocardial Infarction (MI) and/or Recurrent Angina; Pericardial Effusion and/or Tamponade; Pneumonia or other Respiratory Complication; Valve Dysfunction; Infection - Deep sternum; Infection - Leg; Cardiac catheterization; PTCA ; Stent; Renal failure; TIA; Reop for Graft Occlusion; Reop for Bleeding; Permanent CVA; Acute Vascular Complication; Other Complication (e.g. hepatic, gi, etc)
Usual Range:
Description: Readmission Reason
Definition: Primary reason the patient was readmitted as an in-patient within 30 days from the date of surgery (select one):
Anticoagulant Complication.
Arryhthmias/Heart Block/Pacemaker Insertion/AICD
Congestive Heart Failure (CHF).
Myocardial Infarction (MI) and/or Recurrent Angina.

Pericardial Effusion and/or Tamponade.
Pneumonia or other Respiratory Complication.
Valve Dysfunction.
Infection - Deep sternum
Infection - Leg
Cardiac catheterization
PTCA
Stent
Renal failure
TIA
Reop for Graft Occlusion
Reop for Bleeding
Permanent CVA
Acute Vascular Complication
Other Complication (e.g. hepatic, GI, etc).

Harvest Coding: 1 = Anticoagulant Complication; 2 = Arryhthmias/Heart Block/Pacemaker Insertion/AICD; 3 = Congestive Heart Failure (CHF); 5 = Myocardial Infarction (MI) and/or Recurrent Angina; 6 = Pericardial Effusion and/or Tamponade; 7 = Pneumonia or other Respiratory Complication; 8 = Valve Dysfunction; 9 = Infection - Deep sternum; 10 = Infection - Leg; 11 = Cardiac catheterization; 12 = PTCA ; 13 = Stent; 14 = Renal failure; 15 = TIA; 16 = Reop for Graft Occlusion; 17 = Reop for Bleeding; 18 = Permanent CVA; 19 = Acute Vascular Complication; 777 = Other Complication (e.g. hepatic, gi, etc)

Change Type: Additional Codes

Change Description: Change Section letter from T to U, change Valid Data and Harvest Coding to reflect new/deleted values, change Missing Data from Report to Report if parent is yes and child is null, and change definition. NOTE: Harvest code 4=Incisional complication is no longer a valid choice.

Vendor Notes: If Patient dies during admission then field is not completed.

V. Risk Scores

Field Name: **Predicted Risk of Mortality**

Short Name: PredMort *SeqNo:* 5610

Status: Changed *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

Data Source: Calculated

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: (calculated)

Usual Range:

Description: Predicted Risk of Mortality

Definition: Calculated from software.

Harvest Coding:

Change Type: **Section name; Sequence Number change**

Change Description: **Change Section from Operative to Risk Scores (new section) and change SeqNo from 2530 to 5610**

Field Name: **Predicted Deep Sternal Wound Infx**

Short Name: PredDeep *SeqNo:* 5620

Status: New *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

Data Source: Calculated

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: (calculated)

Usual Range:

Description: Predicted Risk of Deep Sternal Wound Infx

Definition: Calculated from software.

Harvest Coding:

Change Type: **New Field**

Change Description: **Add field**

Field Name: **Predicted Reoperation**

Short Name:	PredReop	*SeqNo:*	5630
Status:	New	*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
Data Source:	Calculated		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	(no action)		
Valid Data:	(calculated)		
Usual Range:			
Description:	Predicted Risk of Reoperation		
Definition:	Calculated from software.		
Harvest Coding:			

Change Type: New Field

Change Description: Add field

Field Name:	**Predicted Permanent Stroke**		
Short Name:	PredStro	*SeqNo:*	5640
Status:	New	*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
Data Source:	Calculated		
Default:	(null/blank = missing)		
Parent Field:			
ParentValue:			
Missing Data:	(no action)		
Valid Data:	(calculated)		
Usual Range:			
Description:	Predicted Risk of Permanent Stroke		
Definition:	Calculated from software.		
Harvest Coding:			

Change Type: New Field

Change Description: Add field

Field Name:	**Predicted Prolonged Ventilation**		
Short Name:	PredVent	*SeqNo:*	5650
Status:	New	*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.

Data Source: Calculated
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: (no action)
Valid Data: (calculated)
Usual Range:
Description: Predicted Risk of Prolonged Ventilation > 24 Hours
Definition: Calculated from software.
Harvest Coding:
Change Type: New Field
Change Description: Add field

Field Name: **Predicted Renal Failure**
Short Name: PredRenF *SeqNo:* 5660
Status: New *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
Data Source: Calculated
Default: (null/blank = missing)
Parent Field:
ParentValue:
Missing Data: (no action)
Valid Data: (calculated)
Usual Range:
Description: Predicted Risk of Renal Failure
Definition: Calculated from software.
Harvest Coding:
Change Type: New Field
Change Description: Add field

Field Name: **Predicted Morbidity or Mortality**
Short Name: PredMM *SeqNo:* 5670
Status: New *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
Data Source: Calculated
Default: (null/blank = missing)
Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: (calculated)

Usual Range:

Description: Predicted Risk of Deep Sternal Wound Infx, Reoperation, Permanent Stroke, Prolonged Ventilation, Renal Failure, or Mortality

Definition: Calculated from software.

Harvest Coding:

Change Type: New Field

Change Description: Add field

Field Name: **Predicted Short Length of Stay**

Short Name: Pred6D *SeqNo:* 5680

Status: New *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

Data Source: Calculated

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: (calculated)

Usual Range:

Description: Predicted Risk of Post-Procedure Length of Stay < 6 Days

Definition: Calculated from software.

Harvest Coding:

Change Type: New Field

Change Description: Add field

Field Name: **Predicted Long Length of Stay**

Short Name: Pred14D *SeqNo:* 5690

Status: New *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

Data Source: Calculated

Default: (null/blank = missing)

Parent Field:

ParentValue:

Missing Data: (no action)

Valid Data: (calculated)

Usual Range:

Description: Predicted Risk of Post-Procedure Length of Stay > 14 Days

Definition: Calculated from software.

Harvest Coding:

Change Type: New Field

Change Description: Add field