# STS Adult Cardiac Data Specifications

Version 2.61

August 24, 2007

## A. Administrative

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

*Short Name:* VendorID *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

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

*Usual Range:*

*Format:* Text

*Data Source:* Automatic *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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

*Short Name:* SoftVrsn *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

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

*Usual Range:*

*Format:* Text

*Data Source:* Automatic *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* DataVrsn *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* "2.61"

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

*Usual Range:*

*Format:* Text

*Data Source:* Automatic *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* ParticID *Core:* Yes

*Harvest:* Yes

*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:*

*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 - 39999

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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*Field Name:* **Record ID** *SeqNo:* 50

*Short Name:* RecordID *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

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

*Usual Range:*

*Format:* Integer

*Data Source:* Automatic *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Cost Link** *SeqNo:* 60

*Short Name:* CostLink *Core:* Yes

*Harvest:* Optional

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

*Harvest Coding:*

*Valid Data:* (free text)

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* STSTLink *Core:* Yes

*Harvest:* Yes

*Definition:* Enter the number 1 (one) for a patient known to be in an IRB-approved clinical trial at the time of the surgical procedure.
Enter the number 9 (nine) for a patient known NOT to be in an IRB-approved clinical trial at the time of the surgical procedure.
Leave blank if it is not known whether or not the patient is enrolled in a clinical trial.

*Harvest Coding:* 1 = Patient known to be in an IRB-approved clinical trial
9 = Patient known not to be in an IRB-approved clinical trial

*Valid Data:* Patient known to be in an IRB-approved clinical trial; Patient known not to be in an IRB-approved clinical trial

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* PatID *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

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

*Usual Range:*

*Format:* Integer

*Data Source:* Automatic *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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

*Short Name:* RecComp *Core:* No

*Harvest:* No

*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. It is intended as an internal quality control field for data managers at site.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* (calculated)

*Usual Range:*

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

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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## B. Demographics

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

*Short Name:* PatLName *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the patient's last name documented in the medical record. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (free text)

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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

*Short Name:* PatFName *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the patient's first name documented in the medical record. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (free text)

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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

*Short Name:* PatMInit *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the patient's middle initial documented in the medical record.
Leave "blank" if no middle name. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (free text)

*Usual Range:*

*Format:* Text - Length exactly 1

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* DOB *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the patient's date of birth using 4-digit format for year. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (Before system date)

*Usual Range:* (Greater than 18 years before system date)

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* Age *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the patient's age in years, at time of surgery. This should be calculated from the date of birth and the date of surgery, according to the convention used in the USA (the number of birthdate anniversaries reached by the date of surgery). If age is less than 18, the data record will be accepted into the database, but will not be included in the national analysis and report.

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:* 18 - 100

*Format:* Integer

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Sex** *SeqNo:* 150

*Short Name:* Gender *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the patient's sex at birth as either male or female.

*Harvest Coding:* 1 = Male
2 = Female

*Valid Data:* Male; Female

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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*Field Name:* **Social Security #** *SeqNo:* 160

*Short Name:* SSN *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the nine-digit patient's Social Security Number (SSN). Although this is the Social Security Number in the USA, other countries may have a different National Patient Identifier Number. For example in Canada, this would be the Social Insurance Number. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (valid format)

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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*Field Name:* **Medical Record Number** *SeqNo:* 170

*Short Name:* MedRecN *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the patient's medical record number at the hospital where surgery occurred. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (free text)

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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*Field Name:* **Health Insurance Claim Number** *SeqNo:* 171

*Short Name:* HICNumber *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the Health Insurance Claim (HIC) number of the primary beneficiary. This is an 11-digit number that uniquely identifies an individual for a claim. This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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*Field Name:* **Patient ZIP Code** *SeqNo:* 180

*Short Name:* PatZIP *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the ZIP Code of the patient's residence. Outside the USA, this data may be known by other names such as Postal Code (needing 6 characters). Software should allow sites to collect at least up to 10 characters to allow for Zip+4 values.

This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (valid format)

*Usual Range:*

*Format:* Text

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* Race *Core:* No

*Harvest:* No

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

*Field Name:* **Race - White** *SeqNo:* 191

*Short Name:* RaceCaucasian *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes White. This includes a person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

Definition source: Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity : The minimum categories for data on race and ethnicity for Federal statistics, program administrative reporting, and civil rights compliance reporting. (www.whitehouse.gov/omb/fedreg/1997standards.html)

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

*Field Name:* **Race - Black / African American** *SeqNo:* 192

*Short Name:* RaceBlack *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes Black / African American. This includes a person having origins in any of the black racial groups of Africa. Terms such as "Haitian" or "Negro" can be used in addition to "Black or African American."

Definition source: Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity : The minimum categories for data on race and ethnicity for Federal statistics, program administrative reporting, and civil rights compliance reporting. (www.whitehouse.gov/omb/fedreg/1997standards.html)

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

*Field Name:* **Race - Asian** *SeqNo:* 193

*Short Name:* RaceAsian *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes Asian. This includes a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.

Definition source: Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity : The minimum categories for data on race and ethnicity for Federal statistics, program administrative reporting, and civil rights compliance reporting. (www.whitehouse.gov/omb/fedreg/1997standards.html)

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

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*Field Name:* **Race - American Indian / Alaskan Native** *SeqNo:* 194

*Short Name:* RaceNativeAm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes American Indian / Alaskan Native. This includes a person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.

Definition source: Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity : The minimum categories for data on race and ethnicity for Federal statistics, program administrative reporting, and civil rights compliance reporting. (www.whitehouse.gov/omb/fedreg/1997standards.html)

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Race - Native Hawaiian / Pacific Islander** *SeqNo:* 195

*Short Name:* RacNativePacific *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes Native Hawaiian

/ Pacific Islander. This includes a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Definition source: Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity : The minimum categories for data on race and ethnicity for Federal statistics, program administrative reporting, and civil rights compliance reporting. (www.whitehouse.gov/omb/fedreg/1997standards.html)

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

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*Field Name:* **Race - Other** *SeqNo:* 196

*Short Name:* RaceOther *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes any other race.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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*Field Name:* **Hispanic or Latino Ethnicity** *SeqNo:* 199

*Short Name:* Ethnicity *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient is of Hispanic or Latino ethnicity as determined by the patient / family. Hispanic or Latino ethnicity includes patient report of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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

*Short Name:* RefCard *Core:* Yes

*Harvest:* No

*Definition:* Indicate the referring cardiologist's name.

*Harvest Coding:*

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* RefPhys *Core:* Yes

*Harvest:* No

*Definition:* Indicate the referring physician's name.

*Harvest Coding:*

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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## C. Hospitalization

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

*Short Name:* HospName *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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

*Short Name:* HospZIP *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the ZIP Code of the hospital. Outside the USA, these data may be known by other names such as Postal Code (needing 6 characters).

Software should allow sites to collect up to 10 characters to allow for Zip+4 values.

This field should be collected in compliance with state/local privacy laws.

*Harvest Coding:*

*Valid Data:* (elements of user list)

*Usual Range:*

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

*Data Source:* Lookup *Parent Field:* Hospital Name

*ACCField:* Not mapped *ParentShortName:* HospName

*ParentValue:* Is Not Missing

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

*Short Name:* HospStat *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the abbreviation of the state or province in which the hospital is located.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 2

*Data Source:* Lookup *Parent Field:* Hospital Name

*ACCField:* Not mapped *ParentShortName:* HospName

*ParentValue:* Is Not Missing

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*Field Name:* **Hospital National Provider Identifier** *SeqNo:* 241

*Short Name:* HospNPI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the hospital's National Provider Identifier (NPI). This number, assigned by the Center for Medicare and Medicaid Services (CMS), is used to uniquely identify facilities for Medicare billing purposes.

*Harvest Coding:*

*Valid Data:* (elements of user list)

*Usual Range:*

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

*Data Source:* Lookup *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

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*Field Name:* **Payor** *SeqNo:* 245

*Short Name:* Payor *Core:* No

*Harvest:* No

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

*Harvest Coding:*

*Valid Data:* (elements of user list)

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Payor - Government Health Insurance** *SeqNo:* 247

*Short Name:* PayorGov *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether government insurance was used by the patient to pay for part or all of this admission. Government insurance refers to patients who are covered by government-reimbursed care. This includes Medicare, Medicaid, Military Health Care (e.g. TriCare), State-Specific Plan, and Indian Health Service.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Payor - Government Health Insurance - Medicare** *SeqNo:* 248

*Short Name:* PayorGovMcare *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the government insurance used by the patient to pay for part or all of this admission included Medicare.

*Harvest Coding:* 1 = Yes

2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Payor - Government Health Insurance

*ACCField:* Mapped - Definition only *ParentShortName:* PayorGov

*ParentValue:* = "Yes"

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*Field Name:* **Payor - Government Health Insurance - Medicaid** *SeqNo:* 249

*Short Name:* PayorGovMcaid *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the government insurance used by the patient to pay for part or all of this admission included Medicaid

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Payor - Government Health Insurance

*ACCField:* Mapped - Definition only *ParentShortName:* PayorGov

*ParentValue:* = "Yes"

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*Field Name:* **Payor - Government Health Insurance - Military Health Care** *SeqNo:* 250

*Short Name:* PayorGovMil *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the government insurance used by the patient to pay for part or all of this admission included Military Health Care.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Payor - Government Health Insurance

*ACCField:* Mapped - Definition only *ParentShortName:* PayorGov

*ParentValue:* = "Yes"

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*Field Name:* **Payor - Government Health Insurance - State-Specific Plan** *SeqNo:* 251

*Short Name:* PayorGovState *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the government insurance used by the patient to pay for part or all of this admission

included State-Specific Plan.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Payor - Government Health Insurance

*ACCField:* Mapped - Definition only *ParentShortName:* PayorGov

*ParentValue:* = "Yes"

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*Field Name:* **Payor - Government Health Insurance - Indian Health Service** *SeqNo:* 252

*Short Name:* PayorGovIHS *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the government insurance used by the patient to pay for part or all of this admission included Indian Health Service.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Payor - Government Health Insurance

*ACCField:* Mapped - Definition only *ParentShortName:* PayorGov

*ParentValue:* = "Yes"

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*Field Name:* **Payor - Commercial Health Insurance** *SeqNo:* 254

*Short Name:* PayorCom *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether commercial insurance was used by the patient to pay for part or all of this admission. Commercial insurance refers to all indemnity (fee-for-service) carriers and Preferred Provider Organizations (PPOs), (e.g., Blue Cross and Blue Shield).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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*Field Name:* **Payor - Health Maintenance Organization** *SeqNo:* 255

*Short Name:* PayorHMO *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a Health Maintenance Organization (HMO) insurance was used by the patient to pay for part or all of this admission. HMO refers to a Health Maintenance Organization characterized by coverage that provides health care services for members on a pre-paid basis.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Payor - Non-U.S. Insurance** *SeqNo:* 256

*Short Name:* PayorNonUS *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether any non-U.S. insurance was used by the patient to pay for part or all of this admission.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Payor - None / Self** *SeqNo:* 257

*Short Name:* PayorNS *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether no insurance was used by the patient to pay for this admission. None refers to individuals with no or limited health insurance; thus, the individual is the payor regardless of ability to pay. Only mark "None" when "self" or "none" is denoted as the first insurance in the medical record.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Date of Admission** *SeqNo:* 260
*Short Name:* AdmitDt *Core:* Yes
*Harvest:* Yes

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

*Harvest Coding:*

*Valid Data:* (Between DOB and system date)
*Usual Range:* (Within 1 year before system date)
*Format:* Date in the format mm/dd/yyyy
*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition and coding *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Date of Surgery** *SeqNo:* 270
*Short Name:* SurgDt *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the date of surgery (the date the patient enters the operating room).

*Harvest Coding:*

*Valid Data:* (Between Admission and system date)
*Usual Range:* (Within 1 year before system date)
*Format:* Date in the format mm/dd/yyyy
*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Date of Discharge** *SeqNo:* 280
*Short Name:* DischDt *Core:* Yes
*Harvest:* Yes

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

*Harvest Coding:*

*Valid Data:* (Between Surgery and system date)
*Usual Range:* (Within 1 year before system date)
*Format:* Date in the format mm/dd/yyyy
*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition and coding *ParentShortName:*
*ParentValue:*

---

*Field Name:* **ICU Visit** *SeqNo:* 300
*Short Name:* ICUVisit *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient received ICU level of care immediately following the initial surgery. Include ICU unit, post-anesthesia recovery, and other similar critical care environments.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* ICUInHrs *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the number of hours the patient received ICU level of care immediately following the initial surgery until the time of physical transfer out of ICU. Include ICU unit, post-anesthesia recovery, and other similar critical care environments.

For those sites who provide postop ICU level of care in one single stay unit (admission to ICU to hospital discharge), document the number of hours immediately following the initial surgery until a physician order is written to change the level of care provided.

*Harvest Coding:*

*Valid Data:* 0.1 - 5000.0

*Usual Range:* 1.0 - 100.0

*Format:* Real

*Data Source:* User *Parent Field:* ICU Visit

*ACCField:* Not mapped *ParentShortName:* ICUVisit

*ParentValue:* = "Yes"

---

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

*Short Name:* ICUReadm *Core:* Yes

*Harvest:* Yes

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

Single care unit:
Code ICU readmission when the level of care increases and is noted in the physician order.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* ICUAdHrs *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the number of additional hours spent in the ICU, or at the equivalent higher level of care in single stay units.

*Harvest Coding:*

*Valid Data:* 0.1 - 5000.0

*Usual Range:* 1.0 - 100.0

*Format:* Real

*Data Source:* User *Parent Field:* Readmission to ICU

*ACCField:* Not mapped *ParentShortName:* ICUReadm

*ParentValue:* = "Yes"

---

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

*Short Name:* TotHrICU *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

*Valid Data:* 0.0 - 10000.0

*Usual Range:* 1.0 - 100.0

*Format:* Real

*Data Source:* User or Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

## D. Risk Factors

*Field Name:* **Weight (kg)** *SeqNo:* 350
*Short Name:* WeightKg *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the weight of the patient in kilograms closest to the date of surgery.

*Harvest Coding:*

*Valid Data:* 10.0 - 250.0

*Usual Range:* 40.0 - 136.0

*Format:* Real

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Height (cm)** *SeqNo:* 360
*Short Name:* HeightCm *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the height of the patient in centimeters.

*Harvest Coding:*

*Valid Data:* 20.0 - 251.0

*Usual Range:* 122.0 - 213.0

*Format:* Real

*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition and coding *ParentShortName:*
*ParentValue:*

---

*Field Name:* **RF-Smoker** *SeqNo:* 370
*Short Name:* Smoker *Core:* No
*Harvest:* No

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

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

*Short Name:* SmokCurr *Core:* No

*Harvest:* No

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Smoker

*ACCField:* Not mapped *ParentShortName:* Smoker

*ParentValue:* = "Yes"

---

*Field Name:* **Current Or Recent Cigarette Smoker** *SeqNo:* 385

*Short Name:* CigSmoker *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient has smoked cigarettes anytime during the year prior to surgery.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* FHCAD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient has/had any direct blood relatives (parents, siblings, children) who have had any of the following DIAGNOSED at age less than 55 years for male relatives or less than 65 years for female relatives:

1. Coronary Artery Disease (angina, previous CABG or PCI)
2. MI
3. Sudden cardiac death without obvious cause.

If the patient is adopted, or the family history is unavailable, code "No".

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **RF-Last Hematocrit** *SeqNo:* 391

*Short Name:* Hct *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the pre-operative Hematocrit level at the date and time closest to surgery.

*Harvest Coding:*

*Valid Data:* 10 - 70

*Usual Range:* 39 - 53

*Format:* Integer

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **RF-Last WBC Count** *SeqNo:* 392

*Short Name:* WBC *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the pre-operative White Blood Cell (WBC) count closest to the date and time prior to surgery

*Harvest Coding:*

*Valid Data:* 0.1 - 50.0

*Usual Range:* 4.0 - 15.0

*Format:* Real

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* Diabetes *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* DiabCtrl *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the method of diabetic control. Code the control method patient presented with on admission. Patients placed on a pre-operative diabetic pathway of Insulin drip but at admission were controlled with NONE, diet or oral method are not coded as insulin dependent. Choices are:
None = No treatment for diabetes.
Diet = Diet treatment only.
Oral = Oral agent treatment (includes oral agent with/without diet treatment).
Insulin = Insulin treatment (includes any combination with insulin).
Other = Other adjunctive therapy

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

*Valid Data:* None; Diet; Oral; Insulin; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Diabetes

*ACCField:* Mapped - Definition and coding *ParentShortName:* Diabetes

*ParentValue:* = "Yes"

---

*Field Name:* **RF-Last A1c Level** *SeqNo:* 412

*Short Name:* A1cLvl *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the pre-operative HbA1c level closest to the date and time prior surgery.

*Harvest Coding:*

*Valid Data:* 1.0 - 20.0

*Usual Range:* 4.0 - 8.0

*Format:* Real

*Data Source:* User *Parent Field:* RF-Diabetes

*ACCField:* Not mapped *ParentShortName:* Diabetes

*ParentValue:* = "Yes"

---

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

*Short Name:* Hyprchol *Core:* No

*Harvest:* No

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

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition only *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Dyslipidemia** *SeqNo:* 421

*Short Name:* Dyslip *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient has a prior history of dyslipidemia diagnosed and/or treated by a physician. As per National Cholesterol Education Program criteria can include documentation of:
1 Total cholesterol greater than 200 mg/dl, or
2. LDL greater than or equal to 130 mg/dl, or
3. HDL less than 40 mg/dl

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* CreatLst *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the creatinine level closest to the date and time prior surgery.

A creatinine level should be collected on all patients, even if they have no prior history. A creatinine value is a high predictor of a patient's outcome and is used in the predicted risk models.

*Harvest Coding:*

*Valid Data:* 0.1 - 30.0

*Usual Range:* 0.1 - 9.0

*Format:* Real

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

*Field Name:* **RF-Renal Fail** *SeqNo:* 440
*Short Name:* RenFail *Core:* No
*Harvest:* No

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition only *ParentShortName:*
*ParentValue:*

*Field Name:* **RF-Renal Fail-Dialysis** *SeqNo:* 450
*Short Name:* Dialysis *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient is currently undergoing dialysis.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition and coding *ParentShortName:*
*ParentValue:*

*Field Name:* **RF-Hypertension** *SeqNo:* 460
*Short Name:* Hypertn *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient has a diagnosis of hypertension, documented by one of the following:
a. Documented history of hypertension diagnosed and treated with medication, diet and/or exercise
b. Prior documentation of blood pressure >140 mmHg systolic or 90 mmHg diastolic for patients without diabetes or chronic kidney disease, or prior documentation of blood pressure >130 mmHg systolic or 80 mmHg diastolic on at least 2 occasions for patients with diabetes or chronic kidney disease
c. Currently on pharmacologic therapy to control hypertension

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* InfEndo *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of infectious endocarditis documented by one of the following:
1. positive blood cultures
2. vegetation on echocardiography and/or other diagnostic modality
3. documented history of infectious endocarditis

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* InfEndTy *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Treated
2 = Active

*Valid Data:* Treated; Active

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Infect Endocard

*ACCField:* Not mapped *ParentShortName:* InfEndo

*ParentValue:* = "Yes"

---

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

*Short Name:* ChrLungD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has chronic lung disease, and the severity level according to the following classification:
No;

Mild: FEV1 60% to 75% of predicted, and/or on chronic inhaled or oral bronchodilator therapy.
Moderate: FEV1 50% to 59% of predicted, and/or on chronic steroid therapy aimed at lung disease.
Severe: FEV1 <50% predicted, and/or Room Air pO2 < 60 or Room Air pCO2 > 50.

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

*Valid Data:* No; Mild; Moderate; Severe

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* ImmSupp *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has used any form of immunosuppressive therapy within 30 days preceding the operative procedure. This includes, but is not limited to inhaled or systemic steroid therapy and chemotherapy. This does not include topical applications, one time systemic therapy, or preoperative protocol.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **RF - Peripheral Arterial Disease** *SeqNo:* 530

*Short Name:* PVD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of peripheral arterial disease (includes upper and lower extremity, renal, mesenteric, and abdominal aortic systems). This can include:
1. Claudication , either with exertion or at rest,
2. Amputation for arterial vascular insufficiency,
3. Vascular reconstruction, bypass surgery, or percutaneous intervention to the extremities (excluding dialysis fistulas and vein stripping),
4. Documented aortic aneurysm with or without repair,
5. Positive noninvasive test (e.g., ankle brachial index =< 0.9, ultrasound, magnetic resonance or computed tomography imaging of > 50% diameter stenosis in any peripheral artery, i.e., renal, subclavian, femoral, iliac).

Peripheral arterial disease excludes disease in the carotid or cerebrovascular arteries.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* CVD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has Cerebro-Vascular Disease, documented by any one of the following: CVA (symptoms > 24 hrs after onset, presumed to be from vascular etiology); TIA (recovery within 24 hrs); Non-invasive carotid test with > 79% diameter occlusion.; or Prior carotid surgery. Does not include neurological disease processes such as metabolic and/or anoxic ischemic encephalopathy.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* CVDType *Core:* No

*Harvest:* No

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

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Not mapped *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

*Field Name:* **RF-Coma** *SeqNo:* 551

*Short Name:* CVDComa *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of Unresponsive Coma greater than 24 hours: Patient experienced complete mental unresponsiveness and no evidence of psychological or physiologically appropriate responses to stimulation.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Not mapped *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

*Field Name:* **RF-CVA** *SeqNo:* 552

*Short Name:* CVA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of stroke (i.e., any confirmed neurological deficit of abrupt onset caused by a disturbance in cerebral blood supply) that did not resolve within 24 hours.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Mapped - Definition and coding *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

*Field Name:* **RF-CVA-When** *SeqNo:* 553

*Short Name:* CVAWhen *Core:* Yes

*Harvest:* Yes

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-CVA

*ACCField:* Not mapped *ParentShortName:* CVA

*ParentValue:* = "Yes"

---

*Field Name:* **RF-CVD RIND** *SeqNo:* 554

*Short Name:* CVDRIND *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of a Reversible Ischemic Neurologic Deficit (RIND): Patient has a history of loss of neurological function with symptoms at least 24 hours after onset but with complete return of function within 72 hours.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Not mapped *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

*Field Name:* **RF-CVD TIA** *SeqNo:* 555

*Short Name:* CVDTIA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of a Transient Ischemic Attack (TIA): Patient has a history of loss of neurological function that was abrupt in onset but with complete return of function within 24 hours.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Not mapped *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

*Field Name:* **RF-CVD NonInvas >75%** *SeqNo:* 556

*Short Name:* CVDNInvas *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of a Non-invasive/invasive carotid test with greater than 75% occlusion.

*Harvest Coding:* 1 = Yes

2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Not mapped *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

*Field Name:* **RF-CVD Prior Carotid Surgery** *SeqNo:* 557

*Short Name:* CVDPCarSurg *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a history of previous carotid artery surgery and/or stenting.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* RF-Cerebrovascular Dis

*ACCField:* Not mapped *ParentShortName:* CVD

*ParentValue:* = "Yes"

---

## E. Previous CV Interventions

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

*Short Name:* PrCVInt *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* PrCAB *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Mapped - Definition and coding *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

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

*Short Name:* PrValve *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a previous surgical replacement and/or surgical repair of a cardiac valve. This may also include percutaneous valve procedures.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Mapped - Definition and coding *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

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

*Short Name:* PrOthCar *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether patient had a previous intrapericardial or great vessel procedure performed. Great vessels = aorta, superior vena cava, inferior vena cava, pulmonary arteries and veins. This may include, but is not limited to LVA, acquired VSD, Batista, SVR, TMR, cardiac trauma, pericardial window, cardiac tumor, or heart transplant.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Not mapped *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

*Field Name:* **Prev Oth Congenital** *SeqNo:* 621

*Short Name:* PrOthCongen *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether patient had a previous congenital heart surgery and/or percutaneous procedure

performed. May include, but is not limited to VSD, ASD, TOF and PFO.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Not mapped *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

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

*Short Name:* PrOCAICD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a previous implant of an Automatic Implantable Cardioverter/Defibrillator. This does not include lead placement only.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Not mapped *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

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

*Short Name:* PrOCPace *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a previous permanent pacemaker was placed anytime prior to this surgical procedure. This does not include lead placement only.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Not mapped *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

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

*Short Name:* POCPaceT *Core:* No

*Harvest:* No

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

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

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

*Harvest Coding:* 1 = Biventricular
2 = Univentricular

*Valid Data:* Biventricular; Univentricular

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev Oth Card-Pacemaker

*ACCField:* Not mapped *ParentShortName:* PrOCPace

*ParentValue:* = "Yes"

---

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

*Short Name:* POCPCI *Core:* Yes

*Harvest:* Yes

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

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Not mapped *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

---

*Field Name:* **Prev Oth Card-PCI-Stent** *SeqNo:* 661

*Short Name:* POCPCISt *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether an intracoronary stent was used during the previous Percutaneous Cardiac Intervention (PCI).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev Oth Card-PCI

*ACCField:* Not mapped *ParentShortName:* POCPCI

*ParentValue:* = "Yes"

---

*Field Name:* **Prev Oth Card-PCI-Stent Type** *SeqNo:* 663

*Short Name:* POCPCIStTy *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate type of intracoronary stent placed.

*Harvest Coding:* 1 = Bare metal
2 = Drug-eluting
3 = Unknown

*Valid Data:* Bare metal ; Drug-eluting; Unknown

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev Oth Card-PCI-Stent

*ACCField:* Not mapped *ParentShortName:* POCPCISt

*ParentValue:* = "Yes"

---

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

*Short Name:* POCPCIIn *Core:* Yes

*Harvest:* Yes

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

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

*Valid Data:* <= 6 Hours; > 6 Hours

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev Oth Card-PCI

*ACCField:* Not mapped *ParentShortName:* POCPCI

*ParentValue:* = "Yes"

---

*Field Name:* **Prev Oth Card-Other** *SeqNo:* 671

*Short Name:* POCO *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has undergone any other previous cardiovascular intervention.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Prev CV Intervent

*ACCField:* Not mapped *ParentShortName:* PrCVInt

*ParentValue:* = "Yes"

## F. Preoperative Cardiac Status

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

*Short Name:* MI *Core:* No

*Harvest:* No

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

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

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

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

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

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

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

*Field Name:* **Previous MI** *SeqNo:* 751

*Short Name:* PrevMI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient has had at least one documented previous myocardial infarction at any time prior to this surgery. An acute myocardial infarction is evidenced by any of the following:

1. A rise and fall of cardiac biomarkers (preferably troponin) with at least one of the values in the abnormal range for that laboratory [typically above the 99th percentile of the upper reference limit (URL) for normal subjects] together with at least one of the following manifestations of myocardial ischemia:
   a. Ischemic symptoms;
   b. ECG changes indicative of new ischemia (new ST-T changes, new left bundle branch block, or loss of R wave voltage),
   c. Development of pathological Q waves in 2 or more contiguous leads in the ECG (or equivalent findings for true posterior MI);
   d. Imaging evidence of new loss of viable myocardium or new regional wall motion abnormality;
   e. Documentation in the medical record of the diagnosis of acute myocardial infarction based on the cardiac biomarker pattern in the absence of any items enumerated in a-d due to conditions that may mask their appearance (e.g., peri-operative infarct when the patient cannot report ischemic symptoms; baseline left bundle branch block or ventricular pacing)

2. Development of new pathological Q waves in 2 or more contiguous leads in the ECG, with or without symptoms.

3. Imaging evidence of a region with new loss of viable myocardium at rest in the absence of a non-ischemic cause. This can be manifest as:
   a. Echocardiographic, CT, MR, ventriculographic or nuclear imaging evidence of left ventricular thinning or scarring and failure to contract appropriately (i.e., hypokinesis, akinesis, or dyskinesis)
   b. Fixed (non-reversible) perfusion defects on nuclear radioisotope imaging (e.g., MIBI, thallium)

4. Medical records documentation of prior myocardial infarction.

*Harvest Coding:*
1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MIWhen *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the 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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Previous MI

*ACCField:* Not mapped *ParentShortName:* PrevMI

*ParentValue:* = "Yes"

---

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

*Short Name:* CHF *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether, within 2 weeks prior to the initial surgical procedure, a physician has diagnosed that the patient is currently in heart failure (HF). HF can be diagnosed based on careful history and physical exam, or by one of the following criteria:

1. Paroxysmal nocturnal dyspnea (PND);
2. Dyspnea on exertion (DOE) due to heart failure;
3. Chest X-ray (CXR) showing pulmonary congestion;
4. Pedal edema or dyspnea, and receiving diuretics; or
5. Pulmonary edema.

Note: A low ejection fraction without clinical presentation does not qualify for history of heart failure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Classification-NYHA** *SeqNo:* 775

*Short Name:* ClassNYH *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the patient's highest New York Heart Association (NYHA) classification within 2 weeks prior to surgery. NYHA classification represents the overall functional status of the patient in relationship to both heart failure and angina.

Choose one of the following:

- Class I: Patient has cardiac disease but without resulting limitations of ordinary physical activity. Ordinary physical activity (e.g., walking several blocks or climbing stairs) does not cause undue fatigue, palpitation, dyspnea, or anginal pain. Limiting symptoms may occur with marked exertion.

- Class II: Patient has cardiac disease resulting in slight limitation of ordinary physical activity. Patient is comfortable at rest. Ordinary physical activity such as walking more than two blocks or climbing more than one flight of stairs results in limiting symptoms (e.g., fatigue, palpitation, dyspnea, or anginal pain).

- Class III: Patient has cardiac disease resulting in marked limitation of physical activity. Patient is

comfortable at rest. Less than ordinary physical activity (e.g., walking one to two level blocks or climbing one flight of stairs) causes fatigue, palpitation, dyspnea, or anginal pain.

- Class IV: Patient has dyspnea at rest that increases with any physical activity. Patient has cardiac disease resulting in inability to perform any physical activity without discomfort. Symptoms may be present even at rest. If any physical activity is undertaken, discomfort is increased.

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Heart Failure

*ACCField:* Not mapped *ParentShortName:* CHF

*ParentValue:* = "Yes"

---

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

*Short Name:* Angina *Core:* No

*Harvest:* No

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* AngType *Core:* No

*Harvest:* No

*Definition:* Indicate the type of angina present prior to this surgical intervention.
Stable = Angina that is controlled by oral and/or transcutaneous medication . Patients that are pain free with or without medication but with a history of angina are captured here.
Unstable = Angina which necessitates the initiation, continuation or increase of angina control therapies that may include: nitroglycerin drip, heparin drip, or IABP placement. The type of angina may include, but is not limited to: rest angina, new onset exertional angina of at least New York Heart Association (NYHA) Class III in severity, recent acceleration in pattern and increase of one NYHA class to at least NYHA Class III, variant angina, non-Q wave myocardial infarction, or post-infarction angina.

*Harvest Coding:* 1 = Stable
2 = Unstable

*Valid Data:* Stable; Unstable

*Usual Range:*

| | | | |
|---|---|---|---|
| *Format:* | Text (categorical values specified by STS) | | |
| *Data Source:* | User | *Parent Field:* | Angina |
| *ACCField:* | Not mapped | *ParentShortName:* | Angina |
| | | *ParentValue:* | = "Yes" |

*Field Name:* **Cardiac Presentation on Admission** *SeqNo:* 791

*Short Name:* CardPres *Core:* Yes

*Harvest:* Yes

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

1- No Symptoms or Angina.

2- Symptoms Unlikely to be Ischemia: Pain, pressure or discomfort in the chest, neck or arms not clearly exertional or not otherwise consistent with pain or discomfort of myocardial ischemic origin. This includes patients with non-cardiac pain (e.g. pulmonary embolism, musculoskeletal, or esophageal discomfort), or cardiac pain not caused by myocardial ischemia (e.g., acute pericarditis).

3- Stable Angina: Angina without a change in frequency or pattern for the six weeks prior to this surgical intervention. Angina is controlled by rest and/or oral or transcutaneous medications.

4- Unstable Angina - There are three principal presentations of unstable angina: 1) rest angina, 2) new -onset (less than 2 months) angina, and 3) increasing angina (in intensity, duration and/or frequency).

5- Non-ST Elevation MI (Non-STEMI) - The patient was hospitalized for a non-ST elevation myocardial infarction as documented in the medical record. Non-STEMIs are characterized by the presence of both criteria:
A. Cardiac biomarkers (creatinine kinase-myocardial band, Troponin T or I, and/or myoglobin) exceed the upper limit of normal according to the individual hospital's laboratory parameters with a clinical presentation which is consistent or suggestive of ischemia. ECG changes and/or ischemic symptoms may or may not be present.
B. Absence of ECG changes diagnostic of a STEMI (see STEMI).

6- ST Elevation MI (STEMI) - The patient presented with a ST elevation myocardial infarction as documented in the medical record. STEMIs are characterized by the presence of both criteria:
A. ECG evidence of STEMI: New or presumed new ST-segment elevation or new left bundle branch block not documented to be resolved within 20 minutes. ST-segment elevation is defined by new or presumed new sustained ST-segment elevation (0.1 mV in magnitude) in two or more contiguous electrocardiogram (ECG) leads. If no exact ST-elevation measurement is recorded in the medical chart, physician's written documentation of ST-elevation is acceptable. If only one ECG is performed, then the assumption that the ST elevation persisted at least the required 20 minutes is acceptable. Left bundle branch block (LBBB) refers to LBBB that was not known to be old on the initial ECG. For purposes of the Registry, ST elevation in the posterior chest leads (V7 through V9), or ST depression in V1 and V2 demonstrating posterior myocardial infarction is considered a STEMI equivalent and qualifies the patient for reperfusion therapy.
B. Cardiac biomarkers (creatinine kinase-myocardial band, Troponin T or I, and/or myoglobin) exceed the upper limit of normal according to the individual hospital's laboratory parameters a clinical presentation which is consistent or suggestive of ischemia which is consistent or suggestive of ischemia.

*Harvest Coding:*
1 = No Symptoms or Angina
2 = Symptoms Unlikely to be Ischemia
3 = Stable Angina
4 = Unstable Angina
5 = Non-ST Elevation MI (Non-STEMI)

6 = ST Elevation MI (STEMI)

*Valid Data:* No Symptoms or Angina; Symptoms Unlikely to be Ischemia; Stable Angina; Unstable Angina; Non-ST Elevation MI (Non-STEMI); ST Elevation MI (STEMI)

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Mapped - Definition and coding *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* CarShock *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient was, at the time of procedure, in a clinical state of hypoperfusion sustained for greater than 30 minutes, 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.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* CarShTyp *Core:* No

*Harvest:* No

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

*Harvest Coding:* 1 = Refractory Shock
2 = Hemodynamic Instability

*Valid Data:* Refractory Shock; Hemodynamic Instability

*Usual Range:*

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

*Data Source:* User *Parent Field:* STS Cardiogenic Shock

*ACCField:* Not mapped *ParentShortName:* CarShock

*ParentValue:* = "Yes"

---

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

*Short Name:* Resusc *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* Arrhyth *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether there is a history of preoperative arrhythmia (sustained ventricular tachycardia, ventricular fibrillation, atrial fibrillation, atrial flutter, third degree heart block) that has been treated with any of the following modalities:
1. ablation therapy
2. AICD
3. pacemaker
4. pharmacological treatment
5. electrocardioversion

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* ArrhyTyp *Core:* No

*Harvest:* No

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Arrhythmia

*ACCField:* Not mapped *ParentShortName:* Arrhyth

*ParentValue:* = "Yes"

*Field Name:* **Arrhythmia Type-Vtach/Vfib** *SeqNo:* 851

*Short Name:* ArrhyVtach *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether sustained ventricular tachycardia or fibrillation is present within two weeks of the procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Arrhythmia

*ACCField:* Not mapped *ParentShortName:* Arrhyth

*ParentValue:* = "Yes"

*Field Name:* **Arrhythmia Type-3rdHB** *SeqNo:* 852

*Short Name:* ArrhyTHB *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether third degree heart block is present within two weeks of the procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Arrhythmia

*ACCField:* Not mapped *ParentShortName:* Arrhyth

*ParentValue:* = "Yes"

*Field Name:* **Arrhythmia Type-Afib/Aflutter** *SeqNo:* 853

*Short Name:* ArrhyAfib *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether atrial fibrillation or flutter is present within two weeks of the procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Arrhythmia

*ACCField:* Not mapped *ParentShortName:* Arrhyth

*ParentValue:* = "Yes"

## G. Preoperative Medications

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

*Short Name:* MedBeta *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether or not the patient received beta blockers within 24 hours preceding surgery, or if beta blocker was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* MedACEI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received ACE or ARB Inhibitors within 24 hours preceding surgery ,or if ACE or ARB Inhibitor was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

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

*Short Name:* MedNitIV *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received IV Nitrates within 24 hours preceding surgery, or if IV Nitrates was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MedACoag *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received IV and/or subq anticoagulants within 48 hours preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.
Do NOT include Coumadin or one-time boluses of Heparin.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MedACMN *Core:* Yes

*Harvest:* Yes

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Meds-Anticoagulants

*ACCField:* Not mapped *ParentShortName:* MedACoag

*ParentValue:* = "Yes"

---

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

*Short Name:* MedCoum *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received Coumadin within 24 hours preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MedInotr *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received IV inotropic agents within 48 hours preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MedSter *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient was taking steroids within 24 hours of surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant. This does not include a one time dose related to prophylaxis therapy (i.e. IV dye exposure for cath procedure or surgery pre-induction period). Non-systemic medications are not included in this category (i.e., nasal sprays, topical creams)

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Meds-Aspirin** *SeqNo:* 990
*Short Name:* MedASA *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether or not the patient received Aspirin or Ecotrin within 5 days preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Meds-Lipid Lowering** *SeqNo:* 1000
*Short Name:* MedLipid *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether or not the patient received lipid lowering medication within 24 hours preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:*
1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Meds-Lipid Lowering-Medication Name** *SeqNo:* 1010
*Short Name:* MedLipMN *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the type of lipid lowering medication the patient received within 24 hours preceding surgery.

*Harvest Coding:*
1 = Statin
2 = Non-statin
3 = Both

*Valid Data:* Statin; Non-statin; Both

*Usual Range:*

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

*Data Source:* User *Parent Field:* Meds-Lipid Lowering

*ACCField:* Not mapped *ParentShortName:* MedLipid

*ParentValue:* = "Yes"

---

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

*Short Name:* MedADPI *Core:* No

*Harvest:* No

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Meds-ADP Inhibitors Within Five Days** *SeqNo:* 1021

*Short Name:* MedADP5Days *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has received ADP Inhibitors within 5 days preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Meds-ADP Inhibitors Discontinuation** *SeqNo:* 1022

*Short Name:* MedADPIDis *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the number of days prior to surgery ADP Inhibitor use was discontinued. If less than 24 hours, enter "0".

*Harvest Coding:*

*Valid Data:* 0 - 50

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* Meds-ADP Inhibitors Within Five Days

*ACCField:* Not mapped *ParentShortName:* MedADP5Days

*ParentValue:* = "Yes"

---

*Field Name:* **Meds - Antiplatelets Within 5 Days** *SeqNo:* 1023

*Short Name:* MedAplt5Days *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has received Antiplatelets within 5 days preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MedGP *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received Glycoprotein IIb/IIIa inhibitors within 24 hours preceding surgery, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* MedGPMN *Core:* Yes

*Harvest:* Yes

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Meds-Glycoprotein IIbIIIa Inhibitor

*ACCField:* Not mapped *ParentShortName:* MedGP

*ParentValue:* = "Yes"

## H. Hemodynamics & Cath

*Field Name:* **Num Dis Vessels** *SeqNo:* 1050

*Short Name:* NumDisV *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the number of diseased major native coronary vessel systems: LAD system, Circumflex system, and/or Right system with >= 50% narrowing of any vessel preoperatively.

NOTE: Left main disease (>=50%) is counted as TWO vessels (LAD and Circumflex, which may include a Ramus Intermedius). 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

*Valid Data:* None; One; Two; Three

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

*Field Name:* **Left Main Dis >= 50%** *SeqNo:* 1060

*Short Name:* LMainDis *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* HDEFD *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* HDEF *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the percentage of the blood emptied from the ventricle at the end of the contraction. Use the most recent determination prior to the surgical intervention documented on a diagnostic report.

Enter a percentage in the range of 1 - 99. If a percentage range is reported, report a whole number using the "mean" (i.e., 50-55%, is reported as 53%).

Values reported as:
Normal = 60%
Good function = 50%
Mildly reduced = 45%
Fair function = 40%
Moderately reduced = 30%
Poor function = 25%
Severely reduced = 20%

NOTE: If no diagnostic report is in the medical record, a value documented in the progress record is acceptable.

*Harvest Coding:*

*Valid Data:* 1.0 - 99.0

*Usual Range:* 5.0 - 90.0

*Format:* Real

*Data Source:* User *Parent Field:* Hemo Data-EF Done

*ACCField:* Not mapped *ParentShortName:* HDEFD

*ParentValue:* = "Yes"

---

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

*Short Name:* HDEFMeth *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 2 = LV Gram
3 = Radionucleotide
4 = Estimate
5 = ECHO
6 = MRI/CT
9 = Other

*Valid Data:* LV Gram; Radionucleotide; Estimate; ECHO; MRI/CT; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* Hemo Data-EF Done

*ACCField:* Not mapped *ParentShortName:* HDEFD

*ParentValue:* = "Yes"

---

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

*Short Name:* HDPAD *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* HDPAMean *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

*Valid Data:* 1.0 - 99.0

*Usual Range:*

*Format:* Real

*Data Source:* User *Parent Field:* Hemo Data - HDPA Mean Done

*ACCField:* Not mapped *ParentShortName:* HDPAD

*ParentValue:* = "Yes"

---

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

*Short Name:* VDStenA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether Aortic Stenosis is present. If not documented or not done, indicate as N/A.

*Harvest Coding:* 1 = Yes
2 = No
3 = N/A

*Valid Data:* Yes; No; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **VD-Gradient-Aortic** *SeqNo:* 1130

*Short Name:* VDGradA *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

*Valid Data:* 1 - 200

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* VD-Stenosis-Aortic

*ACCField:* Not mapped *ParentShortName:* VDStenA

*ParentValue:* = "Yes"

---

*Field Name:* **VD-Stenosis-Mitral** *SeqNo:* 1140

*Short Name:* VDStenM *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether Mitral Stenosis is present. If not documented or not done, indicate as N/A.

*Harvest Coding:* 1 = Yes
2 = No
3 = N/A

*Valid Data:* Yes; No; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **VD-Stenosis-Tricuspid** *SeqNo:* 1150
*Short Name:* VDStenT *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether Tricuspid Stenosis is present. If not documented or not done, indicate as N/A.

*Harvest Coding:* 1 = Yes
2 = No
3 = N/A

*Valid Data:* Yes; No; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **VD-Stenosis-Pulmonic** *SeqNo:* 1160
*Short Name:* VDStenP *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether Pulmonic Stenosis is present. If not documented or not done, indicate as N/A.

*Harvest Coding:* 1 = Yes
2 = No
3 = N/A

*Valid Data:* Yes; No; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **VD-Insuff-Aortic** *SeqNo:* 1170
*Short Name:* VDInsufA *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether there is evidence of Aortic valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).

Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

If data not available or study suboptimal, enter N/A.

*Harvest Coding:* 0 = None
1 = Trivial
2 = Mild

3 = Moderate
4 = Severe
5 = N/A

*Valid Data:* None; Trivial; Mild; Moderate; Severe; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* VDInsufM *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether there is evidence of Mitral valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).

Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

If data not available or study suboptimal, enter N/A.

*Harvest Coding:* 0 = None
1 = Trivial
2 = Mild
3 = Moderate
4 = Severe
5 = N/A

*Valid Data:* None; Trivial; Mild; Moderate; Severe; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* VDInsufT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether there is evidence of Tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).

Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

If data not available or study suboptimal, enter N/A.

*Harvest Coding:* 0 = None
1 = Trivial
2 = Mild
3 = Moderate
4 = Severe
5 = N/A

*Valid Data:* None; Trivial; Mild; Moderate; Severe; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* VDInsufP *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether there is evidence of Pulmonic valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).

Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

If data not available or study suboptimal, enter N/A.

*Harvest Coding:*
0 = None
1 = Trivial
2 = Mild
3 = Moderate
4 = Severe
5 = N/A

*Valid Data:* None; Trivial; Mild; Moderate; Severe; N/A

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

## I. Operative

*Field Name:* **Surgeon** *SeqNo:* 1210
*Short Name:* Surgeon *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the surgeon's name. This field must have controlled data entry where a user selects the surgeon name from a user list. This will remove variation in spelling, abbreviations and punctuation within the field.

*Harvest Coding:*

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Surgeon ID** *SeqNo:* 1220
*Short Name:* SurgID *Core:* No
*Harvest:* No

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

*Harvest Coding:*

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

*Usual Range:*

*Format:* Text length 25

*Data Source:* Lookup *Parent Field:* Surgeon
*ACCField:* Not mapped *ParentShortName:* Surgeon
*ParentValue:* Is Not Missing

---

*Field Name:* **Surgeon's National Provider Identifier** *SeqNo:* 1221
*Short Name:* SurgNPI *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the individual-level National Provider Identifier of the surgeon performing the procedure.

*Harvest Coding:*

*Valid Data:* (elements of user list)

*Usual Range:*

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

*Data Source:* Lookup *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Taxpayer Identification Number** *SeqNo:* 1222

*Short Name:* TIN *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the group-level Taxpayer Identification Number for the Taxpayer holder of record for the Surgeon's National Provider Identifier that performed the procedure.

*Harvest Coding:*

*Valid Data:* (elements of user list)

*Usual Range:*

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

*Data Source:* Lookup *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Incidence** *SeqNo:* 1230

*Short Name:* Incidenc *Core:* Yes

*Harvest:* Yes

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* Status *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the clinical status of the patient prior to entering the operating room:

Elective:
The patient's 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.

Urgent:
Procedure required during same hospitalization in order to minimize chance of further clinical deterioration.

Examples include but are not limited to: Worsening, sudden chest pain, CHF, acute myocardial infarction (AMI), anatomy, IABP, unstable angina (USA) with intravenous (IV) nitroglycerin (NTG) or rest angina.

Emergent:
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.

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.

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

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

*Valid Data:* Elective; Urgent; Emergent; Emergent Salvage

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* UrgntRsn *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate which one of the following applies as the reason why the patient had Urgent status:

Acute myocardial infarction (AMI)
Intra-Aortic Balloon Pump (IABP)
Worsening, sudden chest pain
Congestive Heart Failure (CHF)
Coronary Anatomy
Unstable angina (USA) with intravenous (IV) nitroglycerin (NTG)
Rest angina
Valve Dysfunction - Acute Native or Prosthetic
Aortic Dissection
Angiographic Accident
Cardiac Trauma

*Harvest Coding:*
1 = AMI
2 = IABP
3 = Worsening CP
4 = CHF
5 = Anatomy
6 = USA

7 = Rest Angina
8 = Valve Dysfunction
9 = Aortic Dissection
10 = Angiographic Accident
11 = Cardiac Trauma

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Status

*ACCField:* Not mapped *ParentShortName:* Status

*ParentValue:* = "Urgent"

---

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

*Short Name:* EmergRsn *Core:* Yes

*Harvest:* Yes

*Definition:* Patients requiring emergency operations will have ongoing, refractory (difficult, complicated, and/or unmanageable) unrelenting cardiac compromise, with or without hemodynamic instability, and not responsive to any form of therapy except cardiac surgery. An emergency operation is one in which there should be no delay in providing operative intervention.

Indicate which one of the following applies as the reason why the patient had Emergent Status? (Select one):
Shock with circulatory support
Shock without circulatory support
Pulmonary edema requiring intubation
Acute Evolving Myocardial Infarction within 24 hours before surgery
Ongoing ischemia including rest angina despite maximal medical therapy (medical and/or IABP)
Valve Dysfunction - Acute Native or Prosthetic
Aortic Dissection
Angiographic Accident
Cardiac Trauma

*Harvest Coding:* 1 = Shock Circ Support
2 = Shock No Circ Support
3 = Pulmonary Edema
4 = AEMI
5 = Ongoing Ischemia
6 = Valve Dysfunction
7 = Aortic Dissection
8 = Angiographic Accident
9 = Cardiac Trauma

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Status

*ACCField:* Not mapped *ParentShortName:* Status

*ParentValue:* = "Emergent"

---

*Field Name:* **Robotic Technology Assisted** *SeqNo:* 1270
*Short Name:* Robotic *Core:* Yes
*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **CAB** *SeqNo:* 1280
*Short Name:* OpCAB *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether coronary artery bypass grafting was done.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Valve** *SeqNo:* 1290
*Short Name:* OpValve *Core:* Yes
*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

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

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Other Card** *SeqNo:* 1310

*Short Name:* OpOCard *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Other Non Card** *SeqNo:* 1320

*Short Name:* OpONCard *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **CPT-1 Code # 1** *SeqNo:* 1321

*Short Name:* CPT1Code1 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the first CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **CPT-1 Code # 2** *SeqNo:* 1322

*Short Name:* CPT1Code2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate, if applicable, the second CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 1

*ACCField:* Not mapped *ParentShortName:* CPT1Code1

*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 3** *SeqNo:* 1323

*Short Name:* CPT1Code3 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate, if applicable, the third CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 2

*ACCField:* Not mapped *ParentShortName:* CPT1Code2

*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 4** *SeqNo:* 1324

*Short Name:* CPT1Code4 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate, if applicable, the fourth CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 3
*ACCField:* Not mapped *ParentShortName:* CPT1Code3
*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 5** *SeqNo:* 1325
*Short Name:* CPT1Code5 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate, if applicable, the fifth CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*
*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 4
*ACCField:* Not mapped *ParentShortName:* CPT1Code4
*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 6** *SeqNo:* 1326
*Short Name:* CPT1Code6 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate, if applicable, the sixth CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*
*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 5
*ACCField:* Not mapped *ParentShortName:* CPT1Code5
*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 7** *SeqNo:* 1327
*Short Name:* CPT1Code7 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate, if applicable, the seventh CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*
*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 6
*ACCField:* Not mapped *ParentShortName:* CPT1Code6
*ParentValue:* Is Not Missing

*Field Name:* **CPT-1 Code # 8** *SeqNo:* 1328
*Short Name:* CPT1Code8 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate, if applicable, the eighth CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 7
*ACCField:* Not mapped *ParentShortName:* CPT1Code7
*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 9** *SeqNo:* 1329
*Short Name:* CPT1Code9 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate, if applicable, the ninth CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 8
*ACCField:* Not mapped *ParentShortName:* CPT1Code8
*ParentValue:* Is Not Missing

---

*Field Name:* **CPT-1 Code # 10** *SeqNo:* 1330
*Short Name:* CPT1Code10 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate, if applicable, the tenth CPT procedure code (CPT-1) pertaining to the surgery for which the data collection form was initiated.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text - Length exactly 5

*Data Source:* User or Automatic *Parent Field:* CPT-1 Code # 9
*ACCField:* Not mapped *ParentShortName:* CPT1Code9
*ParentValue:* Is Not Missing

---

*Field Name:* **OR Entry Date And Time** *SeqNo:* 1335
*Short Name:* OREntryDT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date and time, to the nearest minute (using 24-hour clock), that the patient entered the operating room. If the procedure was performed in a location other than the OR, record the time when the sterile field, or its equivalent, was set up.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date and time in the format mm/dd/yyyy hh:mm with the time in 24-hour clock

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **OR Exit Date And Time** *SeqNo:* 1336

*Short Name:* ORExitDT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date and time, to the nearest minute (using 24-hour clock), that the patient exits the operating room. If the procedure was performed in a location other than the OR, record the time when the sterile field, or its equivalent, was taken down.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date and time in the format mm/dd/yyyy hh:mm with the time in 24-hour clock

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Initial Intubation Date And Time** *SeqNo:* 1337

*Short Name:* IntubateDT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date (mm/dd/yyyy) and time (hh:mm) (24 hour clock) ventilatory support started. The following guidelines apply:

1. Capture the intubation closest to the surgical start time. If the patient was intubated upon admission and remained intubated until the surgical start time, capture this intubation's date and time.
2. If the patient was admitted intubated (intubated at another institution) and remained continually intubated until the surgical start time, capture the patient's admission date and time.
3. If the patient was admitted with a tracheostomy in place without ventilatory support, capture the date and time closest to the surgical start time that ventilatory support was initiated.
4. If the patient was admitted with a tracheostomy in place receiving chronic ventilatory support, capture the admission date and time.
5. If the intubation date and time is otherwise unknown, enter the date and time the patient entered the operating room.
6. Do not alter the previously established date and time that ventilatory support was initiated for scenarios including, but not limited to, interruptions in ventilatory support due to accidental extubation/de-cannulation, elective tube change etc.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date and time in the format mm/dd/yyyy hh:mm with the time in 24-hour clock

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Initial Extubation Date And Time** *SeqNo:* 1338

*Short Name:* ExtubateDT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date (mm/dd/yyyy) and time (hh:mm) (24 hour clock) ventilatory support initially ceased after surgery. The following guidelines apply:

1. Capture the extubation closest to the surgical stop time.
2. If the patient has a tracheostomy and is separated from the mechanical ventilator postoperatively within the hospital admission, capture the date and time of separation from the mechanical ventilator closest to the surgical stop time.
3. If the patient expires while intubated or cannulated and on the ventilator, capture the date and time of expiration.
4. If patient is discharged on chronic ventilatory support, capture the date and time of discharge.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date and time in the format mm/dd/yyyy hh:mm with the time in 24-hour clock

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Skin Incision Start Time** *SeqNo:* 1339

*Short Name:* SIStartT *Core:* No

*Harvest:* No

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

*Harvest Coding:*

*Valid Data:* 00:00 - 23:59

*Usual Range:* 00:00 - 23:59

*Format:* Time in 24-hour clock format

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* SIStopT *Core:* No

*Harvest:* No

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

*Harvest Coding:*

*Valid Data:* 00:00 - 23:59

*Usual Range:* 00:00 - 23:59

*Format:* Time in 24-hour clock format

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Skin Incision Start Date And Time** *SeqNo:* 1341

*Short Name:* SIStartDT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date and time, to the nearest minute (using 24-hour clock), that the skin incision, or its equivalent, was made. For example, during bronchoscopy, one would utilize the bronchoscope insertion time.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date and time in the format mm/dd/yyyy hh:mm with the time in 24-hour clock

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Skin Incision Stop Date And Time** *SeqNo:* 1342

*Short Name:* SIStopDT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date and time, to the nearest minute (using 24-hour clock), that the skin incision was closed, or its equivalent (i.e. removal of bronchoscope). If the patient leaves the operating room with an open incision, collect the time that the dressings were applied to the incision.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date and time in the format mm/dd/yyyy hh:mm with the time in 24-hour clock

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Antibiotic Selection** *SeqNo:* 1345

*Short Name:* AbxSelect *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if there was documentation of an order for a first generation or second generation cephalosporin prophylactic antibiotic OR documentation that it was given preoperatively.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Antibiotic Timing** *SeqNo:* 1346

*Short Name:* AbxTiming *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether prophylactic antibiotics were ordered OR given within one hour of surgical incision (two hours if receiving vancomycin or fluoroquinolone).

The surgical incision time is the time of the first incision, irregardless of location.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Antibiotics Discontinued** *SeqNo:* 1347

*Short Name:* AbxDisc *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the prophylactic antibiotics were ordered to be discontinued OR were discontinued within 48 hours after surgery end time.

Determining the timeframe (within 48 hours) begins at the "surgical end time" - the time the patient leaves the operating room.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

*Field Name:* **CPB Utilization** *SeqNo:* 1350

*Short Name:* CPBUtil *Core:* Yes

*Harvest:* Yes

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

None = no CPB or coronary perfusion used during the procedure
Combination = with or without CPB and/or with or without coronary perfusion at any time during the procedure (capture conversions from off-pump to on-pump only):

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

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

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

*Valid Data:* None; Combination; Full

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* CPBCmb *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the combination procedure from off-pump to on-pump was a planned or an unplanned conversion.

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

*Harvest Coding:* 1 = Planned
2 = Unplanned

*Valid Data:* Planned; Unplanned

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination"

---

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

*Short Name:* CPBCmbR *Core:* Yes

*Harvest:* Yes

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB utilization - Combination Plan

*ACCField:* Not mapped *ParentShortName:* CPBCmb

*ParentValue:* = "Unplanned"

---

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

*Short Name:* PerfusTm *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*

*Valid Data:* 1 - 999

*Usual Range:* 1 - 300

*Format:* Integer

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination" or "Full"

---

*Field Name:* **Circulatory Arrest** *SeqNo:* 1381

*Short Name:* CircArr *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether or not there was a circulatory arrest time recorded on the perfusion record or operative record.

*Harvest Coding:*
1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Circulatory Arrest Time** *SeqNo:* 1382

*Short Name:* DHCATm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total circulatory arrest time in minutes. Circulatory arrest time is recorded in the perfusion record or operative record and indicates the time the patient was not supported by circulation.

*Harvest Coding:*

*Valid Data:* 1-100

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* Circulatory Arrest

*ACCField:* Not mapped *ParentShortName:* CircArr

*ParentValue:* = "Yes"

---

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

*Short Name:* Cannulat *Core:* No

*Harvest:* No

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

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* "Combination" or "Full"

---

*Field Name:* **Cannulation Method - Aorta and Femoral/Jugular Vein** *SeqNo:* 1391

*Short Name:* CanAortFem *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the method of cannulation included Aorta and Femoral/Jugular Vein for cardiopulmonary bypass.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination" or "Full"

---

*Field Name:* **Cannulation Method - Femoral Artery and Femoral/Jugular Vein** *SeqNo:* 1392

*Short Name:* CanFemFem *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the method of cannulation included Femoral Artery and Femoral/Jugular Vein for cardiopulmonary bypass.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination" or "Full"

---

*Field Name:* **Cannulation Method - Aorta and Atrial/Caval** *SeqNo:* 1393

*Short Name:* CanAortAtr *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the method of cannulation included Aorta and Atrial/Caval for cardiopulmonary bypass.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination" or "Full"

---

*Field Name:* **Cannulation Method - Femoral Artery and Atrial/Caval** *SeqNo:* 1394

*Short Name:* CanFemAtr *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the method of cannulation included Femoral Artery and Atrial/Caval for cardiopulmonary bypass.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination" or "Full"

---

*Field Name:* **Cannulation Method - Other** *SeqNo:* 1395

*Short Name:* CanOther *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the method of cannulation included any other method for cardiopulmonary bypass.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* CPB Utilization

*ACCField:* Not mapped *ParentShortName:* CPBUtil

*ParentValue:* = "Combination" or "Full"

---

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

*Short Name:* AortOccl *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = None
2 = Aortic Crossclamp
3 = Balloon Occlusion
4 = Partial Crossclamp

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

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* XClampTm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total number of minutes the aorta is completely crossclamped during bypass. Minutes should not be recorded if partial crossclamp is the highest level of occlusion.

*Harvest Coding:*

*Valid Data:* 1 - 600

*Usual Range:* 1 - 180

*Format:* Integer

*Data Source:* User
*Parent Field:* Aortic Occlusion
*ACCField:* Not mapped
*ParentShortName:* AortOccl
*ParentValue:* = "Aortic Crossclamp" or "Balloon Occlusion"

---

*Field Name:* **Cardioplegia** *SeqNo:* 1420
*Short Name:* Cplegia *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether cardioplegia was used.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No
*Usual Range:*
*Format:* Text (categorical values specified by STS)
*Data Source:* User
*Parent Field:*
*ACCField:* Not mapped
*ParentShortName:*
*ParentValue:*

---

*Field Name:* **Pre-Induction Baseline Regional Oxygen Saturation - Left** *SeqNo:* 1422
*Short Name:* PreRSO2Lft *Core:* Yes
*Harvest:* Optional

*Definition:* Indicate the percent baseline left cerebral regional oxygen saturation (rSO2) values at the beginning of the operation, when the patient is awake and functional. Patient can be sedated or on supplemental oxygen at the time measurement is taken. In the absence of a user-specified baseline, the cerebral oximeter will automatically select a baseline value from the first few minutes of the case.

*Harvest Coding:*
*Valid Data:* 1 - 99
*Usual Range:*
*Format:* Integer
*Data Source:* User
*Parent Field:*
*ACCField:* Not mapped
*ParentShortName:*
*ParentValue:*

---

*Field Name:* **Pre-Induction Baseline Regional Oxygen Saturation - Right** *SeqNo:* 1423
*Short Name:* PreRSO2Rt *Core:* Yes
*Harvest:* Optional

*Definition:* Indicate the percent baseline right cerebral regional oxygen saturation (rSO2) values at the beginning of the operation, when the patient is awake and functional. Patient can be sedated or on supplemental oxygen at the time measurement is taken. In the absence of a user-specified baseline, the cerebral oximeter will automatically select a baseline value from the first few minutes of the case.

*Harvest Coding:*
*Valid Data:* 1 - 99
*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Cumulative Saturation Below Threshold - Left** *SeqNo:* 1424

*Short Name:* CumulSatLft *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the cumulative integral of time and depth of desaturation events below the threshold of 75% of the baseline rSO2 value (relative decline of 25% below baseline) for the left rSO2. Calculated by the cerebral oximeter by multiplying the difference between the threshold and current rSO2 values times the duration that rSO2 is below the threshold. Values are accumulated throughout the operation. Units are minute-%. This is also called area under the curve (AUC).

*Harvest Coding:*

*Valid Data:* 0 - 9999

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Cumulative Saturation Below Threshold - Right** *SeqNo:* 1425

*Short Name:* CumulSatRt *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the cumulative integral of time and depth of desaturation events below the threshold of 75% of the baseline rSO2 value (relative decline of 25% below baseline) for the right rSO2. Calculated by the cerebral oximeter by multiplying the difference between the threshold and current rSO2 values times the duration that rSO2 is below the threshold. Values are accumulated throughout the operation. Units are minute-%. This is also called area under the curve (AUC).

*Harvest Coding:*

*Valid Data:* 0 - 9999

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Cerebral Oximeter Provided The First Indication** *SeqNo:* 1426

*Short Name:* COFirstInd *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate whether the cerebral oximeter provided the first indication of a technical problem or physiological change in the patient that could potentially lead to an adverse patient outcome.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Skin Closure Regional Oxygen Saturation - Left** *SeqNo:* 1427

*Short Name:* SCRSO2Lft *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the left cerebral regional oxygen saturation of blood (rSO2) value at the time of skin closure at the end of the operation. Units are %.

*Harvest Coding:*

*Valid Data:* 1 - 99

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Skin Closure Regional Oxygen Saturation - Right** *SeqNo:* 1428

*Short Name:* SCRSO2Rt *Core:* Yes

*Harvest:* Optional

*Definition:* Indicate the right cerebral regional oxygen saturation of blood (rSO2) value at the time of skin closure at the end of the operation. Units are %.

*Harvest Coding:*

*Valid Data:* 1 - 99

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

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

*Short Name:* IABP *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition and coding *ParentShortName:*
*ParentValue:*

---

*Field Name:* **IABP-When Inserted** *SeqNo:* 1440
*Short Name:* IABPWhen *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate when the IABP was inserted.

Choose one of the following:
Preoperatively
Intraoperatively
Postoperatively

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

*Valid Data:* Preop; Intraop; Postop

*Usual Range:*

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

*Data Source:* User *Parent Field:* IABP
*ACCField:* Not mapped *ParentShortName:* IABP
*ParentValue:* = "Yes"

---

*Field Name:* **IABP-Indication** *SeqNo:* 1450
*Short Name:* IABPInd *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the primary reason for inserting the IABP.

Choose one of the following:
Hemodynamic Instability
PTCA Support
Unstable Angina
Cardiopulmonary bypass (CPB) weaning failure
Prophylactic

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

*Valid Data:* Hemodyn Instab; PTCA Support; Unstable Angina; CPB Wean; Prophylactic

*Usual Range:*

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

*Data Source:* User *Parent Field:* IABP
*ACCField:* Not mapped *ParentShortName:* IABP
*ParentValue:* = "Yes"

---

*Field Name:* **Intraop Blood Products** *SeqNo:* 1460

*Short Name:* IBldProd *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether blood products were transfused any time intraoperatively during the initial surgery. Intraoperatively is defined as any blood started inside of the OR.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Intraop Blood Products Refused** *SeqNo:* 1461

*Short Name:* IBldProdRef *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient or family refused blood products.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Intraop Blood Products

*ACCField:* Not mapped *ParentShortName:* IBldProd

*ParentValue:* = "No"

---

*Field Name:* **Intraop Blood Products - RBC Units** *SeqNo:* 1470

*Short Name:* IBdRBCU *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the number of units of packed red blood cells that were transfused intraoperatively.

Do not include autologous, cell-saver, pump-residual or chest tube recirculated blood.

*Harvest Coding:*

*Valid Data:* 0 - 50

*Usual Range:* 0 - 10

*Format:* Integer

*Data Source:* User *Parent Field:* Intraop Blood Products

*ACCField:* Not mapped *ParentShortName:* IBldProd

*ParentValue:* = "Yes"

---

*Field Name:* **Intraop Blood Products - FFP Units** *SeqNo:* 1480

*Short Name:* IBdFFPU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of fresh frozen plasma that were transfused intraoperatively.

*Harvest Coding:*

*Valid Data:* 0 - 50
*Usual Range:* 0 - 10
*Format:* Integer
*Data Source:* User *Parent Field:* Intraop Blood Products
*ACCField:* Not mapped *ParentShortName:* IBldProd
*ParentValue:* = "Yes"

---

*Field Name:* **Intraop Blood Products - Cryo Units** *SeqNo:* 1490
*Short Name:* IBdCryoU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of cryoprecipitate that were transfused intraoperatively.

One bag of cryo = one unit.
The number of units is not volume dependent.

*Harvest Coding:*

*Valid Data:* 0 - 50
*Usual Range:*
*Format:* Integer
*Data Source:* User *Parent Field:* Intraop Blood Products
*ACCField:* Not mapped *ParentShortName:* IBldProd
*ParentValue:* = "Yes"

---

*Field Name:* **Intraop Blood Products - Platelet Units** *SeqNo:* 1500
*Short Name:* IBdPlatU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of platelets that were transfused intraoperatively.

Count the dose pack as one unit. A dose pack may consist of 4, 6, 8, 10, or any number of donor platelets obtained. The number of units coded is not volume dependent.

*Harvest Coding:*

*Valid Data:* 0 - 50
*Usual Range:*
*Format:* Integer
*Data Source:* User *Parent Field:* Intraop Blood Products
*ACCField:* Not mapped *ParentShortName:* IBldProd
*ParentValue:* = "Yes"

---

*Field Name:* **Intraop Medications - Aprotinin** *SeqNo:* 1509

*Short Name:* IMedAprot *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient received Aprotinin in the operating room.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Intraop Medications - Aprotinin - Dose** *SeqNo:* 1510

*Short Name:* IMedAprotD *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the dosage of the Aprotinin the patient received in the operating room.

*Harvest Coding:* 1 = Full dose
2 = Half dose

*Valid Data:* Full dose; Half dose

*Usual Range:*

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

*Data Source:* User *Parent Field:* Intraop Medications - Aprotinin

*ACCField:* Not mapped *ParentShortName:* IMedAprot

*ParentValue:* = "Yes"

---

*Field Name:* **Intraop Medications - Epsilon Amino-Caproic Acid** *SeqNo:* 1511

*Short Name:* IMedEACA *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient received Epsilon Amino-Caproic Acid in the operating room.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Intraop Medications - Desmopressin** *SeqNo:* 1512

*Short Name:* IMedDesmo *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient received Desmopressin in the operating room.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Intraop Medications - Tranexamic Acid** *SeqNo:* 1513

*Short Name:* IMedTran *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient received Tranexamic Acid in the operating room.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

## J. Coronary Bypass

*Field Name:* **Dist Anast - Art #** *SeqNo:* 1520

*Short Name:* DistArt *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total number of distal anastomoses with arterial conduits, whether IMA, GEPA, radial artery, etc.

*Harvest Coding:*

*Valid Data:* 0 - 9

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

*Field Name:* **Dist Anast - Vein #** *SeqNo:* 1530

*Short Name:* DistVein *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total number of distal anastomoses with venous conduits.

*Harvest Coding:*

*Valid Data:* 0 - 9

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

*Field Name:* **Dist Anast - Vein Harvest Technique** *SeqNo:* 1531

*Short Name:* DistVeinHTech *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the technique used to harvest the vein graft(s).

*Harvest Coding:* 1 = Endovascular
2 = Direct Vision
3 = Both

*Valid Data:* Endovascular; Direct Vision; Both

*Usual Range:*

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

*Data Source:* User *Parent Field:* Dist Anast - Vein #

*ACCField:* Not mapped *ParentShortName:* DistVein

*ParentValue:* > 0

---

*Field Name:* **Saphenous Vein Harvest Time** *SeqNo:* 1532

*Short Name:* SaphHrvstT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total time in minutes for saphenous vein harvest.

*Harvest Coding:*

*Valid Data:* 1 - 99

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* Dist Anast - Vein #

*ACCField:* Not mapped *ParentShortName:* DistVein

*ParentValue:* > 0

---

*Field Name:* **Anastomotic Device Used** *SeqNo:* 1540

*Short Name:* AnasDevU *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether an anastomotic device/material was used for proximal or distal anastomoses such as glue, magnets, clips, stapler, etc. Exclude sutures.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

*Field Name:* **Anastomotic Device** *SeqNo:* 1550

*Short Name:* AnasDev *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate which type of anastomotic device was used. If more than one device used, indicate device used on Distal Anastomosis.

*Harvest Coding:*
1 = Glue
2 = Magnets
3 = Clips
4 = Staples
9 = Other

*Valid Data:* Glue; Magnets; Clips; Staples; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* Anastomotic Device Used

*ACCField:* Not mapped *ParentShortName:* AnasDevU

*ParentValue:* = "Yes"

---

*Field Name:* **IMA Artery Used** *SeqNo:* 1560

*Short Name:* IMAArtUs *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate which, if any, Internal Mammary Artery(ies) (IMA) were used for grafts.

*Harvest Coding:*
1 = Left IMA
2 = Right IMA
3 = Both IMAs
4 = No IMA

*Valid Data:* Left IMA; Right IMA; Both IMAs; No IMA

*Usual Range:*

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

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

*Field Name:* **IMA Harvest Technique** *SeqNo:* 1570

*Short Name:* IMATechn *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the technique of IMA harvest.

*Harvest Coding:* 2 = Direct Vision
3 = Thoracoscopy
4 = Combination
5 = Robotic Assisted

*Valid Data:* Direct Vision; Thoracoscopy; Combination; Robotic Assisted

*Usual Range:*

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

*Data Source:* User *Parent Field:* IMA Artery Used

*ACCField:* Not mapped *ParentShortName:* IMAArtUs

*ParentValue:* = "Left IMA", "Right IMA", or "Both IMAs"

---

*Field Name:* **IMA Dist Anast #** *SeqNo:* 1580

*Short Name:* NumIMADA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total number of distal anastomoses done using IMA grafts.

*Harvest Coding:*

*Valid Data:* 0 - 6

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* IMA Artery Used

*ACCField:* Not mapped *ParentShortName:* IMAArtUs

*ParentValue:* = "Left IMA", "Right IMA", or "Both IMAs"

---

*Field Name:* **Radial Artery Used** *SeqNo:* 1590

*Short Name:* RadArtUs *Core:* Yes

*Harvest:* Yes

*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

*Valid Data:* No Radial; Left Radial; Right Radial; Both Radials

*Usual Range:*

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

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

*Field Name:* **Radial Dist Anast #** *SeqNo:* 1600
*Short Name:* NumRadDA *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the total number of distal anastomoses done using radial artery grafts.

*Harvest Coding:*

*Valid Data:* 0 - 6

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* Radial Artery Used
*ACCField:* Not mapped *ParentShortName:* RadArtUs
*ParentValue:* = "Left Radial", "Right Radial", or "Both Radials"

---

*Field Name:* **Radial Dist Anast Harvest Technique** *SeqNo:* 1601
*Short Name:* RadHTech *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the technique used to harvest the radial artery(s).

*Harvest Coding:* 1 = Endovascular
2 = Direct Vision
3 = Both

*Valid Data:* Endovascular; Direct Vision; Both

*Usual Range:*

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

*Data Source:* User *Parent Field:* Radial Dist Anast #
*ACCField:* Not mapped *ParentShortName:* NumRadDA
*ParentValue:* > 0

---

*Field Name:* **Radial Artery Harvest Time** *SeqNo:* 1602
*Short Name:* RadHrvstT *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the total time in minutes for radial artery harvesting.

*Harvest Coding:*

*Valid Data:* 1 - 99

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* Radial Dist Anast #
*ACCField:* Not mapped *ParentShortName:* NumRadDA
*ParentValue:* > 0

---

*Field Name:* **GEPA Dist Anast #** *SeqNo:* 1610
*Short Name:* NumGEPDA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the total number of distal anastomoses done using gastro-epiploic artery grafts.

*Harvest Coding:*

*Valid Data:* 0 - 6

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

*Field Name:* **Other Arterial Distal Anastomoses #** *SeqNo:* 1620

*Short Name:* NumOArtD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the number of arterial distal anastomoses that were used, other than radial, GEPA or IMA.

*Harvest Coding:*

*Valid Data:* 0 - 6

*Usual Range:*

*Format:* Integer

*Data Source:* User *Parent Field:* CAB

*ACCField:* Not mapped *ParentShortName:* OpCAB

*ParentValue:* = "Yes"

---

## K. Valve Surgery

*Field Name:* **VS-Aortic Proc-Procedure** *SeqNo:* 1630

*Short Name:* OpAortic *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a surgical procedure was done or not done on the Aortic Valve. Select one of the following:
a. No
b. Replacement
c. Repair/Reconstruction
d. Root Reconstruction with Valve Conduit
e. Replacement + Aortic Graft Conduit (not a valve conduit)
f. Root Reconstruction w/ Valve Sparing
g. Resuspension Aortic Valve with Replacement of Ascending aorta
h. Resuspension Aortic Valve without Replacement of Ascending aorta
i. Resection Sub-Aortic Stenosis

*Harvest Coding:* 1 = No
2 = Replacement
3 = Repair/Reconstruction
4 = Root Reconstruction with Valve Conduit
8 = Replacement + Aortic Graft Conduit (not a valve conduit)
5 = Root Reconstruction with Valve Sparing
9 = Resuspension Aortic Valve with Replacement of Ascending aorta
10 = Resuspension Aortic Valve without Replacement of Ascending aorta
7 = Resection Sub-Aortic Stenosis

*Valid Data:* No; Replacement; Repair/Reconstruction; Root Reconstruction with Valve Conduit; Replacement + Aortic Graft Conduit (not a valve conduit); Root Reconstruction with Valve Sparing; Resuspension Aortic Valve with Replacement of Ascending aorta; Resuspension Aortic Valve without Replacement of Ascending aorta; Resection Sub-Aortic Stenosis

*Usual Range:*

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

*Data Source:* User *Parent Field:* Valve

*ACCField:* Not mapped *ParentShortName:* OpValve

*ParentValue:* = "Yes"

---

*Field Name:* **VS-Mitral Proc-Procedure** *SeqNo:* 1640

*Short Name:* OpMitral *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a surgical procedure was done or not done on the Mitral Valve. Select one of the following:
a. No
b. Annuloplasty only
c. Replacement
d. Reconstruction with Annuloplasty
e. Reconstruction without Annuloplasty

*Harvest Coding:* 1 = No
2 = Annuloplasty Only
3 = Replacement
4 = Reconstruction with Annuloplasty
5 = Reconstruction without Annuloplasty

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Valve

*ACCField:* Not mapped *ParentShortName:* OpValve

*ParentValue:* = "Yes"

---

*Field Name:* **VS-Mitral Repair Attempt** *SeqNo:* 1641

*Short Name:* MitralIntent *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a Mitral Valve Repair was attempted prior to the Mitral Valve Replacement.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Mitral Proc-Procedure

*ACCField:* Not mapped *ParentShortName:* OpMitral

*ParentValue:* = "Replacement"

---

*Field Name:* **VS-Tricuspid Proc-Procedure** *SeqNo:* 1650

*Short Name:* OpTricus *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a surgical procedure was done or not done on the Tricuspid Valve. Select one of the following:
a. No
b. Annuloplasty Only
c. Replacement
d. Reconstruction with Annuloplasty
e. Reconstruction without Annuloplasty
f. Valvectomy

*Harvest Coding:* 1 = No
2 = Annuloplasty Only
3 = Replacement
4 = Reconstruction with Annuloplasty
5 = Reconstruction without Annuloplasty
6 = Valvectomy

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Valve

*ACCField:* Not mapped *ParentShortName:* OpValve

*ParentValue:* = "Yes"

*Field Name:* **VS-Pulmonic Proc-Procedure** *SeqNo:* 1660

*Short Name:* OpPulm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a surgical procedure was done or not done on the Pulmonic Valve. Select one of the following:
a. No
b. Replacement
c. Reconstruction

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

*Valid Data:* No; Replacement; Reconstruction

*Usual Range:*

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

*Data Source:* User *Parent Field:* Valve

*ACCField:* Not mapped *ParentShortName:* OpValve

*ParentValue:* = "Yes"

---

*Field Name:* **VS-Aortic Proc-Aortic Annular enlargement** *SeqNo:* 1670

*Short Name:* AnlrEnl *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether an annular enlargement procedure was performed on the Aortic Valve. An aortic annular enlargement is defined as incision of the aortic annulus to enlarge the aortic orifice. Annular enlargement techniques, include but are not limited to Manouguian, Konno and Nicks.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Valve

*ACCField:* Not mapped *ParentShortName:* OpValve

*ParentValue:* = "Yes"

---

*Field Name:* **VS-Aortic Proc-Imp-Type** *SeqNo:* 1680

*Short Name:* VSAoImTy *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = None
2 = Mechanical
3 = Bioprosthesis
4 = Homograft
5 = Autograft (Ross)
6 = Ring/Annuloplasty
7 = Band/Annuloplasty

*Valid Data:* None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Aortic Proc-Procedure

*ACCField:* Not mapped *ParentShortName:* OpAortic

*ParentValue:* <> "No" And Is Not Missing

---

*Field Name:* **VS-Aortic Proc-Imp** *SeqNo:* 1690

*Short Name:* VSAoIm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate 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
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
108 = ATS 3f Aortic Bioprosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis

74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
103 = Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral
44 = Homograft Pulmonic Root
93 = LifeNet CV Allografts
45 = Pulmonary Autograft to aortic root (Ross Procedure)
109 = ATS Simulus Flex-O Ring
110 = ATS Simulus Flex-C Band
94 = CarboMedics AnnuloFlo Ring
95 = CarboMedics AnnuloFlex Ring
96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
46 = Carpentier-Edwards Classic Annuloplasty Ring
104 = Carpentier-Edwards Geoform Ring
105 = Carpentier-Edwards IMR Etlogix Ring
47 = Carpentier-Edwards Physio Annuloplasty System Ring
48 = Cosgrove-Edwards Annuloplasty System Ring
97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
98 = Genesee Sculptor Annuloplasty Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran AnCore Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring

106 = St. Jude RSR (Rigid Saddle Ring)
99 = SJM Tailor Annuloplasty Ring
100 = Medtronic Colvin Galloway Future Band
101 = Medtronic Duran Band
102 = Medtronic Duran - Ancore Band
107 = St. Jude Tailor Band
777 = Other

*Valid Data:* ATS Mechanical Prosthesis ; Björk-Shiley Convex-Concave Mechanical Prosthesis ; Björk-Shiley Monostrut Mechanical Prosthesis ; CarboMedics Mechanical Prosthesis ; CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Reduced Cuff Aortic Valve ; CarboMedics Standard Aortic Valve ; CarboMedics Top-Hat Supra-annular Aortic Valve ; CarboMedics OptiForm Mitral Valve ; CarboMedics Standard Mitral Valve ; CarboMedics Orbis Universal Valve ; CarboMedics Small Adult Aortic and Mitral Valves ; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; MCRI On-X Mechanical Prosthesis ; Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis ; Medtronic ADVANTAGE Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis ; OmniScience Mechanical Prosthesis ; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis ; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve ; SJM Masters Series Mechanical Heart Valve ; SJM Masters Series Aortic Valve Graft Prosthesis ; St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series ; SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring ; SJM Regent Valve ; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis ; ATS 3f Aortic Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary ; Baxter Prima Stentless Porcine Bioprosthesis - Root ; Biocor Porcine Bioprosthesis ; Biocor Stentless Porcine Bioprosthesis - Subcoronary ; Biocor Stentless Porcine Bioprosthesis - Root ; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Duraflex Porcine Bioprosthesis ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root ; Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis; Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis ; Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Root ; Hancock Standard Porcine Bioprosthesis ; Hancock II Porcine Bioprosthesis ; Hancock Modified Orifice Porcine Bioprosthesis ; Ionescu-Shiley Pericardial Bioprosthesis ; Labcor Stented Porcine Bioprosthesis ; Labcor Stentless Porcine Bioprosthesis - Subcoronary ; Labcor Stentless Porcine Bioprosthesis - Root ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Root ; Medtronic Intact Porcine Bioprosthesis ; Medtronic Mosaic Porcine Bioprosthesis ; Medtronic Contegra Bovine Jugular Bioprosthesis ; Mitroflow Pericardial Bioprosthesis ; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve ; St. Jude Medical-Bioimplant Porcine Bioprosthesis ; SJM Biocor Valve ; SJM Epic Valve ; SJM Toronto Root Bioprosthesis ; Sorin Pericarbon Stentless Pericardial Bioprosthesis ; CryoLife Aortic Homograft ; CryoLife Pulmonary Homograft ; CryoLife CryoValve SG(Decellularized)Aortic Homograft ; CryoLife CryoValve SG Pulmonary Homograft ; Homograft Aortic - Subcoronary ; Homograft Aortic - Root ; Homograft Mitral ; Homograft Pulmonic Root ; LifeNet CV Allografts ; Pulmonary Autograft to aortic root (Ross Procedure); ATS Simulus Flex-O Ring; ATS Simulus Flex-C Band; CarboMedics AnnuloFlo Ring ; CarboMedics AnnuloFlex Ring ; CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology ; Carpentier-Edwards Classic Annuloplasty Ring ; Carpentier-Edwards Geoform Ring; Carpentier-Edwards IMR Etlogix Ring; Carpentier-Edwards Physio Annuloplasty System Ring ; Cosgrove-Edwards Annuloplasty System Ring ; Edwards MC³ Tricuspid Annuloplasty System G Future Band ; Genesee Sculptor Annuloplasty Ring ; Medtronic Sculptor Ring ; Medtronic-Duran AnCore Ring ; Sorin-Puig-Messana Ring ; St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring ; St. Jude RSR (Rigid Saddle Ring); SJM Tailor Annuloplasty Ring ; Medtronic Colvin Galloway Future Band ; Medtronic Duran Band ; Medtronic Duran - Ancore Band ; St. Jude Tailor Band; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Aortic Proc-Imp-Type

*ACCField:* Not mapped *ParentShortName:* VSAoImTy

*ParentValue:* <> "None"

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*Field Name:* **VS-Aortic Proc-Imp-Size** *SeqNo:* 1700

*Short Name:* VSAoImSz *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Aortic implant size.

*Harvest Coding:*

*Valid Data:* 5 - 50

*Usual Range:* 10 - 40

*Format:* Integer

*Data Source:* User *Parent Field:* VS-Aortic Proc-Imp-Type

*ACCField:* Not mapped *ParentShortName:* VSAoImTy

*ParentValue:* <> "None"

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*Field Name:* **VS-Mitral Proc-Imp-Type** *SeqNo:* 1740

*Short Name:* VSMiImTy *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:*
1 = None
2 = Mechanical
3 = Bioprosthesis
4 = Homograft
5 = Autograft (Ross)
6 = Ring/Annuloplasty
7 = Band/Annuloplasty

*Valid Data:* None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Mitral Proc-Procedure

*ACCField:* Not mapped *ParentShortName:* OpMitral

*ParentValue:* <> "No" And Is Not Missing

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*Field Name:* **VS-Mitral Proc-Imp** *SeqNo:* 1750

*Short Name:* VSMiIm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate 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
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
108 = ATS 3f Aortic Bioprosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis
74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
103 = Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary

84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral
44 = Homograft Pulmonic Root
93 = LifeNet CV Allografts
45 = Pulmonary Autograft to aortic root (Ross Procedure)
109 = ATS Simulus Flex-O Ring
110 = ATS Simulus Flex-C Band
94 = CarboMedics AnnuloFlo Ring
95 = CarboMedics AnnuloFlex Ring
96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
46 = Carpentier-Edwards Classic Annuloplasty Ring
104 = Carpentier-Edwards Geoform Ring
105 = Carpentier-Edwards IMR Etlogix Ring
47 = Carpentier-Edwards Physio Annuloplasty System Ring
48 = Cosgrove-Edwards Annuloplasty System Ring
97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
98 = Genesee Sculptor Annuloplasty Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran AnCore Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
106 = St. Jude RSR (Rigid Saddle Ring)
99 = SJM Tailor Annuloplasty Ring
100 = Medtronic Colvin Galloway Future Band
101 = Medtronic Duran Band
102 = Medtronic Duran - Ancore Band
107 = St. Jude Tailor Band
777 = Other

*Valid Data:* ATS Mechanical Prosthesis ; Björk-Shiley Convex-Concave Mechanical Prosthesis ; Björk-Shiley Monostrut Mechanical Prosthesis ; CarboMedics Mechanical Prosthesis ; CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Reduced Cuff Aortic Valve ; CarboMedics Standard Aortic Valve ; CarboMedics Top-Hat Supra-annular Aortic Valve ; CarboMedics OptiForm Mitral Valve ; CarboMedics Standard Mitral Valve ; CarboMedics Orbis Universal Valve ; CarboMedics Small Adult Aortic and Mitral Valves ; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; MCRI On-X Mechanical Prosthesis ; Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis ; Medtronic ADVANTAGE Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis ; OmniScience Mechanical Prosthesis ; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis ; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve ; SJM Masters Series Mechanical Heart Valve ; SJM

Masters Series Aortic Valve Graft Prosthesis ; St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series ; SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring ; SJM Regent Valve ; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis ; ATS 3f Aortic Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary ; Baxter Prima Stentless Porcine Bioprosthesis - Root ; Biocor Porcine Bioprosthesis ; Biocor Stentless Porcine Bioprosthesis - Subcoronary ; Biocor Stentless Porcine Bioprosthesis - Root ; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Duraflex Porcine Bioprosthesis ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root ; Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis; Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis ; Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Root ; Hancock Standard Porcine Bioprosthesis ; Hancock II Porcine Bioprosthesis ; Hancock Modified Orifice Porcine Bioprosthesis ; Ionescu-Shiley Pericardial Bioprosthesis ; Labcor Stented Porcine Bioprosthesis ; Labcor Stentless Porcine Bioprosthesis - Subcoronary ; Labcor Stentless Porcine Bioprosthesis - Root ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Root ; Medtronic Intact Porcine Bioprosthesis ; Medtronic Mosaic Porcine Bioprosthesis ; Medtronic Contegra Bovine Jugular Bioprosthesis ; Mitroflow Pericardial Bioprosthesis ; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve ; St. Jude Medical-Bioimplant Porcine Bioprosthesis ; SJM Biocor Valve ; SJM Epic Valve ; SJM Toronto Root Bioprosthesis ; Sorin Pericarbon Stentless Pericardial Bioprosthesis ; CryoLife Aortic Homograft ; CryoLife Pulmonary Homograft ; CryoLife CryoValve SG(Decellularized)Aortic Homograft ; CryoLife CryoValve SG Pulmonary Homograft ; Homograft Aortic - Subcoronary ; Homograft Aortic - Root ; Homograft Mitral ; Homograft Pulmonic Root ; LifeNet CV Allografts ; Pulmonary Autograft to aortic root (Ross Procedure); ATS Simulus Flex-O Ring; ATS Simulus Flex-C Band; CarboMedics AnnuloFlo Ring ; CarboMedics AnnuloFlex Ring ; CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology ; Carpentier-Edwards Classic Annuloplasty Ring ; Carpentier-Edwards Geoform Ring; Carpentier-Edwards IMR Etlogix Ring; Carpentier-Edwards Physio Annuloplasty System Ring ; Cosgrove-Edwards Annuloplasty System Ring ; Edwards MC³ Tricuspid Annuloplasty System G Future Band ; Genesee Sculptor Annuloplasty Ring ; Medtronic Sculptor Ring ; Medtronic-Duran AnCore Ring ; Sorin-Puig-Messana Ring ; St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring ; St. Jude RSR (Rigid Saddle Ring); SJM Tailor Annuloplasty Ring ; Medtronic Colvin Galloway Future Band ; Medtronic Duran Band ; Medtronic Duran - Ancore Band ; St. Jude Tailor Band; Other

*Usual Range:*

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

*Data Source:* User

*ACCField:* Not mapped

*Parent Field:* VS-Mitral Proc-Imp-Type

*ParentShortName:* VSMiImTy

*ParentValue:* <> "None"

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

*SeqNo:* 1760

*Short Name:* VSMiImSz

*Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Mitral implant size

*Harvest Coding:*

*Valid Data:* 5 - 50

*Usual Range:* 10 - 40

*Format:* Integer

*Data Source:* User
*ACCField:* Not mapped
*Parent Field:* VS-Mitral Proc-Imp-Type
*ParentShortName:* VSMiImTy
*ParentValue:* <> "None"

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*Field Name:* **VS-Tricuspid Proc-Imp-Type** *SeqNo:* 1800
*Short Name:* VSTrImTy *Core:* Yes
*Harvest:* Yes

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

*Harvest Coding:*
1 = None
2 = Mechanical
3 = Bioprosthesis
4 = Homograft
5 = Autograft (Ross)
6 = Ring/Annuloplasty
7 = Band/Annuloplasty

*Valid Data:* None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

*Usual Range:*

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

*Data Source:* User
*ACCField:* Not mapped
*Parent Field:* VS-Tricuspid Proc-Procedure
*ParentShortName:* OpTricus
*ParentValue:* <> "No" And Is Not Missing

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*Field Name:* **VS-Tricuspid Proc-Imp** *SeqNo:* 1810
*Short Name:* VSTrIm *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate 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
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis

10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
108 = ATS 3f Aortic Bioprosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis
74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
103 = Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral

44 = Homograft Pulmonic Root
93 = LifeNet CV Allografts
45 = Pulmonary Autograft to aortic root (Ross Procedure)
109 = ATS Simulus Flex-O Ring
110 = ATS Simulus Flex-C Band
94 = CarboMedics AnnuloFlo Ring
95 = CarboMedics AnnuloFlex Ring
96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
46 = Carpentier-Edwards Classic Annuloplasty Ring
104 = Carpentier-Edwards Geoform Ring
105 = Carpentier-Edwards IMR Etlogix Ring
47 = Carpentier-Edwards Physio Annuloplasty System Ring
48 = Cosgrove-Edwards Annuloplasty System Ring
97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
98 = Genesee Sculptor Annuloplasty Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran AnCore Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring
106 = St. Jude RSR (Rigid Saddle Ring)
99 = SJM Tailor Annuloplasty Ring
100 = Medtronic Colvin Galloway Future Band
101 = Medtronic Duran Band
102 = Medtronic Duran - Ancore Band
107 = St. Jude Tailor Band
777 = Other

*Valid Data:* ATS Mechanical Prosthesis ; Björk-Shiley Convex-Concave Mechanical Prosthesis ; Björk-Shiley Monostrut Mechanical Prosthesis ; CarboMedics Mechanical Prosthesis ; CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Reduced Cuff Aortic Valve ; CarboMedics Standard Aortic Valve ; CarboMedics Top-Hat Supra-annular Aortic Valve ; CarboMedics OptiForm Mitral Valve ; CarboMedics Standard Mitral Valve ; CarboMedics Orbis Universal Valve ; CarboMedics Small Adult Aortic and Mitral Valves ; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; MCRI On-X Mechanical Prosthesis ; Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis ; Medtronic ADVANTAGE Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis ; OmniScience Mechanical Prosthesis ; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis ; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve ; SJM Masters Series Mechanical Heart Valve ; SJM Masters Series Aortic Valve Graft Prosthesis ; St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series ; SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring ; SJM Regent Valve ; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis ; ATS 3f Aortic Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary ; Baxter Prima Stentless Porcine Bioprosthesis - Root ; Biocor Porcine Bioprosthesis ; Biocor Stentless Porcine Bioprosthesis - Subcoronary ; Biocor Stentless Porcine Bioprosthesis - Root ; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Duraflex Porcine Bioprosthesis ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root ; Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis; Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis ; Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Root ; Hancock Standard Porcine Bioprosthesis ; Hancock II Porcine Bioprosthesis ; Hancock Modified Orifice Porcine Bioprosthesis ; Ionescu-Shiley Pericardial Bioprosthesis ; Labcor Stented Porcine Bioprosthesis ; Labcor Stentless Porcine Bioprosthesis - Subcoronary ; Labcor Stentless Porcine Bioprosthesis - Root ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Root ; Medtronic Intact Porcine Bioprosthesis ;

Medtronic Mosaic Porcine Bioprosthesis ; Medtronic Contegra Bovine Jugular Bioprosthesis ; Mitroflow Pericardial Bioprosthesis ; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve ; St. Jude Medical-Bioimplant Porcine Bioprosthesis ; SJM Biocor Valve ; SJM Epic Valve ; SJM Toronto Root Bioprosthesis ; Sorin Pericarbon Stentless Pericardial Bioprosthesis ; CryoLife Aortic Homograft ; CryoLife Pulmonary Homograft ; CryoLife CryoValve SG(Decellularized)Aortic Homograft ; CryoLife CryoValve SG Pulmonary Homograft ; Homograft Aortic - Subcoronary ; Homograft Aortic - Root ; Homograft Mitral ; Homograft Pulmonic Root ; LifeNet CV Allografts ; Pulmonary Autograft to aortic root (Ross Procedure); ATS Simulus Flex-O Ring; ATS Simulus Flex-C Band; CarboMedics AnnuloFlo Ring ; CarboMedics AnnuloFlex Ring ; CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology ; Carpentier-Edwards Classic Annuloplasty Ring ; Carpentier-Edwards Geoform Ring; Carpentier-Edwards IMR Etlogix Ring; Carpentier-Edwards Physio Annuloplasty System Ring ; Cosgrove-Edwards Annuloplasty System Ring ; Edwards MC³ Tricuspid Annuloplasty System G Future Band ; Genesee Sculptor Annuloplasty Ring ; Medtronic Sculptor Ring ; Medtronic-Duran AnCore Ring ; Sorin-Puig-Messana Ring ; St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring ; St. Jude RSR (Rigid Saddle Ring); SJM Tailor Annuloplasty Ring ; Medtronic Colvin Galloway Future Band ; Medtronic Duran Band ; Medtronic Duran - Ancore Band ; St. Jude Tailor Band; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Tricuspid Proc-Imp-Type

*ACCField:* Not mapped *ParentShortName:* VSTrImTy

*ParentValue:* <> "None"

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*Field Name:* **VS-Tricuspid Proc-Imp-Size** *SeqNo:* 1820

*Short Name:* VSTrImSz *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Tricuspid implant size.

*Harvest Coding:*

*Valid Data:* 5 - 50

*Usual Range:* 10 - 40

*Format:* Integer

*Data Source:* User *Parent Field:* VS-Tricuspid Proc-Imp-Type

*ACCField:* Not mapped *ParentShortName:* VSTrImTy

*ParentValue:* <> "None"

---

*Field Name:* **VS-Pulmonic Proc-Imp-Type** *SeqNo:* 1860

*Short Name:* VSPuImTy *Core:* Yes

*Harvest:* Yes

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

*Harvest Coding:* 1 = None
2 = Mechanical
3 = Bioprosthesis
4 = Homograft
5 = Autograft (Ross)
6 = Ring/Annuloplasty
7 = Band/Annuloplasty

*Valid Data:* None; Mechanical; Bioprosthesis; Homograft; Autograft (Ross); Ring/Annuloplasty; Band/Annuloplasty

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Pulmonic Proc-Procedure

*ACCField:* Not mapped *ParentShortName:* OpPulm

*ParentValue:* <> "No" And Is Not Missing

---

*Field Name:* **VS-Pulmonic Proc-Imp** *SeqNo:* 1870

*Short Name:* VSPuIm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate 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
57 = CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis
58 = CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
59 = CarboMedics Reduced Cuff Aortic Valve
60 = CarboMedics Standard Aortic Valve
61 = CarboMedics Top-Hat Supra-annular Aortic Valve
62 = CarboMedics OptiForm Mitral Valve
63 = CarboMedics Standard Mitral Valve
64 = CarboMedics Orbis Universal Valve
65 = CarboMedics Small Adult Aortic and Mitral Valves
7 = Edwards Tekna Mechanical Prosthesis
53 = Lillehei-Kaster Mechanical Prosthesis
10 = MCRI On-X Mechanical Prosthesis
8 = Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
66 = Medtronic ADVANTAGE Mechanical Prosthesis
9 = OmniCarbon Mechanical Prosthesis
54 = OmniScience Mechanical Prosthesis
11 = Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
12 = Sorin Monoleaflet Allcarbon Mechanical Prosthesis
13 = St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve
67 = SJM Masters Series Mechanical Heart Valve
68 = SJM Masters Series Aortic Valve Graft Prosthesis
69 = St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
70 = SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
71 = SJM Regent Valve
14 = Starr-Edwards Caged-Ball Prosthesis
15 = Ultracor Mechanical Prosthesis
108 = ATS 3f Aortic Bioprosthesis
72 = Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary
73 = Baxter Prima Stentless Porcine Bioprosthesis - Root
19 = Biocor Porcine Bioprosthesis

74 = Biocor Stentless Porcine Bioprosthesis - Subcoronary
75 = Biocor Stentless Porcine Bioprosthesis - Root
21 = CarboMedics PhotoFix Pericardial Bioprosthesis
76 = Carpentier-Edwards Duraflex Porcine Bioprosthesis
77 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary
78 = Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
22 = Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
103 = Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis
23 = Carpentier-Edwards Standard Porcine Bioprosthesis
25 = Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
79 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary
80 = Cryolife O'Brien Stentless Porcine Bioprosthesis - Root
55 = Hancock Standard Porcine Bioprosthesis
28 = Hancock II Porcine Bioprosthesis
29 = Hancock Modified Orifice Porcine Bioprosthesis
30 = Ionescu-Shiley Pericardial Bioprosthesis
31 = Labcor Stented Porcine Bioprosthesis
81 = Labcor Stentless Porcine Bioprosthesis - Subcoronary
82 = Labcor Stentless Porcine Bioprosthesis - Root
83 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary
84 = Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
35 = Medtronic Intact Porcine Bioprosthesis
36 = Medtronic Mosaic Porcine Bioprosthesis
85 = Medtronic Contegra Bovine Jugular Bioprosthesis
37 = Mitroflow Pericardial Bioprosthesis
39 = St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve
40 = St. Jude Medical-Bioimplant Porcine Bioprosthesis
86 = SJM Biocor Valve
87 = SJM Epic Valve
88 = SJM Toronto Root Bioprosthesis
38 = Sorin Pericarbon Stentless Pericardial Bioprosthesis
89 = CryoLife Aortic Homograft
90 = CryoLife Pulmonary Homograft
91 = CryoLife CryoValve SG(Decellularized)Aortic Homograft
92 = CryoLife CryoValve SG Pulmonary Homograft
41 = Homograft Aortic - Subcoronary
42 = Homograft Aortic - Root
43 = Homograft Mitral
44 = Homograft Pulmonic Root
93 = LifeNet CV Allografts
45 = Pulmonary Autograft to aortic root (Ross Procedure)
109 = ATS Simulus Flex-O Ring
110 = ATS Simulus Flex-C Band
94 = CarboMedics AnnuloFlo Ring
95 = CarboMedics AnnuloFlex Ring
96 = CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
46 = Carpentier-Edwards Classic Annuloplasty Ring
104 = Carpentier-Edwards Geoform Ring
105 = Carpentier-Edwards IMR Etlogix Ring
47 = Carpentier-Edwards Physio Annuloplasty System Ring
48 = Cosgrove-Edwards Annuloplasty System Ring
97 = Edwards MC³ Tricuspid Annuloplasty System G Future Band
98 = Genesee Sculptor Annuloplasty Ring
49 = Medtronic Sculptor Ring
50 = Medtronic-Duran AnCore Ring
51 = Sorin-Puig-Messana Ring
52 = St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring

106 = St. Jude RSR (Rigid Saddle Ring)
99 = SJM Tailor Annuloplasty Ring
100 = Medtronic Colvin Galloway Future Band
101 = Medtronic Duran Band
102 = Medtronic Duran - Ancore Band
107 = St. Jude Tailor Band
777 = Other

*Valid Data:* ATS Mechanical Prosthesis ; Björk-Shiley Convex-Concave Mechanical Prosthesis ; Björk-Shiley Monostrut Mechanical Prosthesis ; CarboMedics Mechanical Prosthesis ; CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis ; CarboMedics Reduced Cuff Aortic Valve ; CarboMedics Standard Aortic Valve ; CarboMedics Top-Hat Supra-annular Aortic Valve ; CarboMedics OptiForm Mitral Valve ; CarboMedics Standard Mitral Valve ; CarboMedics Orbis Universal Valve ; CarboMedics Small Adult Aortic and Mitral Valves ; Edwards Tekna Mechanical Prosthesis; Lillehei-Kaster Mechanical Prosthesis; MCRI On-X Mechanical Prosthesis ; Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis ; Medtronic ADVANTAGE Mechanical Prosthesis; OmniCarbon Mechanical Prosthesis ; OmniScience Mechanical Prosthesis ; Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis ; Sorin Monoleaflet Allcarbon Mechanical Prosthesis; St. Jude Medical Mechanical Prosthesis or St. Jude Medical Mechanical Heart Valve ; SJM Masters Series Mechanical Heart Valve ; SJM Masters Series Aortic Valve Graft Prosthesis ; St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series ; SJM Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring ; SJM Regent Valve ; Starr-Edwards Caged-Ball Prosthesis ; Ultracor Mechanical Prosthesis ; ATS 3f Aortic Bioprosthesis; Baxter Prima Stentless Porcine Bioprosthesis - Subcoronary ; Baxter Prima Stentless Porcine Bioprosthesis - Root ; Biocor Porcine Bioprosthesis ; Biocor Stentless Porcine Bioprosthesis - Subcoronary ; Biocor Stentless Porcine Bioprosthesis - Root ; CarboMedics PhotoFix Pericardial Bioprosthesis; Carpentier-Edwards Duraflex Porcine Bioprosthesis ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Subcoronary ; Carpentier-Edwards Prima Plus Stentless Porcine Bioprosthesis - Root ; Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis; Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis; Carpentier-Edwards Standard Porcine Bioprosthesis ; Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Subcoronary ; Cryolife O'Brien Stentless Porcine Bioprosthesis - Root ; Hancock Standard Porcine Bioprosthesis ; Hancock II Porcine Bioprosthesis ; Hancock Modified Orifice Porcine Bioprosthesis ; Ionescu-Shiley Pericardial Bioprosthesis ; Labcor Stented Porcine Bioprosthesis ; Labcor Stentless Porcine Bioprosthesis - Subcoronary ; Labcor Stentless Porcine Bioprosthesis - Root ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Subcoronary ; Medtronic Freestyle Stentless Porcine Bioprosthesis - Root ; Medtronic Intact Porcine Bioprosthesis ; Medtronic Mosaic Porcine Bioprosthesis ; Medtronic Contegra Bovine Jugular Bioprosthesis ; Mitroflow Pericardial Bioprosthesis ; St. Jude Medical - Toronto SPV Stentless Porcine Bioprosthesis or SJM Toronto SPV Valve ; St. Jude Medical-Bioimplant Porcine Bioprosthesis ; SJM Biocor Valve ; SJM Epic Valve ; SJM Toronto Root Bioprosthesis ; Sorin Pericarbon Stentless Pericardial Bioprosthesis ; CryoLife Aortic Homograft ; CryoLife Pulmonary Homograft ; CryoLife CryoValve SG(Decellularized)Aortic Homograft ; CryoLife CryoValve SG Pulmonary Homograft ; Homograft Aortic - Subcoronary ; Homograft Aortic - Root ; Homograft Mitral ; Homograft Pulmonic Root ; LifeNet CV Allografts ; Pulmonary Autograft to aortic root (Ross Procedure); ATS Simulus Flex-O Ring; ATS Simulus Flex-C Band; CarboMedics AnnuloFlo Ring ; CarboMedics AnnuloFlex Ring ; CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology ; Carpentier-Edwards Classic Annuloplasty Ring ; Carpentier-Edwards Geoform Ring; Carpentier-Edwards IMR Etlogix Ring; Carpentier-Edwards Physio Annuloplasty System Ring ; Cosgrove-Edwards Annuloplasty System Ring ; Edwards MC³ Tricuspid Annuloplasty System G Future Band ; Genesee Sculptor Annuloplasty Ring ; Medtronic Sculptor Ring ; Medtronic-Duran AnCore Ring ; Sorin-Puig-Messana Ring ; St. Jude Medical Sequin Ring or SJM Séguin Annuloplasty Ring ; St. Jude RSR (Rigid Saddle Ring); SJM Tailor Annuloplasty Ring ; Medtronic Colvin Galloway Future Band ; Medtronic Duran Band ; Medtronic Duran - Ancore Band ; St. Jude Tailor Band; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* VS-Pulmonic Proc-Imp-Type

*ACCField:* Not mapped *ParentShortName:* VSPuImTy

*ParentValue:* <> "None"

---

*Field Name:* **VS-Pulmonic Proc-Imp-Size** *SeqNo:* 1880

*Short Name:* VSPuImSz *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Pulmonic implant size.

*Harvest Coding:*

*Valid Data:* 5 - 50

*Usual Range:* 10 - 40

*Format:* Integer

*Data Source:* User *Parent Field:* VS-Pulmonic Proc-Imp-Type

*ACCField:* Not mapped *ParentShortName:* VSPuImTy

*ParentValue:* <> "None"

---

*Field Name:* **Valve Implant List Version Number** *SeqNo:* 1881

*Short Name:* ValveVrsn *Core:* Yes

*Harvest:* Yes

*Definition:* The version number of the list of valve implant options. The value is inserted into the record at the time the record is created. The version numbers will be specified by the STS.

*Harvest Coding:* "2.61.1"

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

*Usual Range:*

*Format:* Text

*Data Source:* Automatic *Parent Field:* Valve

*ACCField:* Not mapped *ParentShortName:* OpValve

*ParentValue:* = "Yes"

---

## L. VAD

*Field Name:* **VAD-Previous VAD** *SeqNo:* 1920
*Short Name:* PrevVAD *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate if the patient, during a previous hospitalization, received a mechanical ventricular assist device, pneumatically or electrically controlled, that supports the pumping chambers of the heart.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD
*ACCField:* Not mapped *ParentShortName:* VAD
*ParentValue:* = "Yes"

---

*Field Name:* **Previous VAD Facility** *SeqNo:* 1921
*Short Name:* PrevVADF *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate if the previously implanted assist device was implanted at another facility.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Previous VAD
*ACCField:* Not mapped *ParentShortName:* PrevVAD
*ParentValue:* = "Yes"

---

*Field Name:* **VAD Product Type List Version Number** *SeqNo:* 1922
*Short Name:* VADListVrsn *Core:* Yes
*Harvest:* Yes

*Definition:* The version number of the list of options available for the VAD product type fields. The value is inserted into the record at the time the record is created. The version numbers will be specified by the STS.

*Harvest Coding:* "2.61.1"

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

*Usual Range:*

*Format:* Text

*Data Source:* Automatic *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

*Field Name:* **VAD-Indication for Initial VAD** *SeqNo:* 1930

*Short Name:* VADInd *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the reason the patient is receiving the initial ventricular assist device (VAD)

- Bridge to Transplantation: Includes those patients who are supported with a VAD until a heart transplant is possible.

- Bridge to Recovery: Includes those patients who are expected to have ventricular recovery. (i.e. Myocarditis patients, postcardiotomy syndromes, viral cardiomyopathies, AMI w/ revascularization, and post-transplant reperfusion injury)

- Destination: Includes those patients where a heart transplant is not an option. The VAD is placed for permanent life sustaining support.

- Postcardiotomy Ventricular failure (separation from CPB): Includes those postcardiotomy patients who receive a VAD because of failure to separate from the heart-lung machine. Postcardiotomy refers to those patients with the inability to wean from cardiopulmonary bypass secondary to left, right, or biventricular failure.

- Device Malfunction: Includes those patients who are currently VAD supported and are experiencing device failure

- End of Life - Mechanical device pump has reached functional life expectancy and requires replacement

*Harvest Coding:*
1 = Bridge to Transplantation
2 = Bridge to Recovery
3 = Destination
4 = Postcardiotomy Ventricular failure (separation from CPB)
5 = Device Malfunction
6 = End of Life

*Valid Data:* Bridge to Transplantation; Bridge to Recovery; Destination; Postcardiotomy Ventricular failure (separation from CPB); Device Malfunction; End of Life

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

*Field Name:* **VAD-Intubated Pre-VAD** *SeqNo:* 1940

*Short Name:* IntPVAD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient was intubated prior to the OR in which the VAD was placed.

*Harvest Coding:*
1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-PCWP** *SeqNo:* 1950

*Short Name:* HPVPCWP *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Pulmonary Capillary Wedge Pressure (PCWP) in mm/Hg as determined prior to induction in the OR, or in an ICU immediately prior to the OR.

*Harvest Coding:*

*Valid Data:* 1 - 50

*Usual Range:* 5 - 30

*Format:* Integer

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-CVP** *SeqNo:* 1960

*Short Name:* HPVCVP *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Central Venous Pressure (CVP) in mm/Hg prior to induction in the OR, or in an ICU immediately prior to the OR.

*Harvest Coding:*

*Valid Data:* 1 - 50

*Usual Range:* 5 - 10

*Format:* Integer

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-PVR** *SeqNo:* 1970

*Short Name:* HPVPVR *Core:* No

*Harvest:* No

*Definition:* Indicate the Pulmonary Vascular Resistance (PVR) prior to induction in the OR, or in an ICU immediately prior to the OR. Please collect the value in woods units. If your institution reports PVR as dynes sec/cm5, please convert using the formula below.

PVR in woods units = (MPAP-PCWP)/CO
PVR in dynes sec/cm5 = (MPAP-PCWP)/CO x 80

*Harvest Coding:*

*Valid Data:* 0.5 - 12.0

*Usual Range:* 0.5 - 8.0

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-CI** *SeqNo:* 1980

*Short Name:* HPVCI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Cardiac Index (CI) in L/(min x m2) prior to induction in the OR, or in an ICU immediately prior to the OR.

*Harvest Coding:*

*Valid Data:* 0.5 - 5.0

*Usual Range:* 0.5 - 2.0

*Format:* Real

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-RVEF** *SeqNo:* 1990

*Short Name:* HPVRVEF *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Right Ventricular Function prior to anesthesia induction in the OR and as close to time of the VAD implant as possible.

*Harvest Coding:*
1 = Normal
2 = Mildly Impaired
3 = Moderately Impaired
4 = Severely Impaired

*Valid Data:* Normal; Mildly Impaired; Moderately Impaired; Severely Impaired

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-RVEF Method** *SeqNo:* 2000

*Short Name:* HPVRVMth *Core:* No

*Harvest:* No

*Definition:* Indicate the method the RV Function was obtained.

*Harvest Coding:*
1 = PreOp Echo
2 = Intraop preVAD TEE

*Valid Data:* PreOp Echo; Intraop preVAD TEE

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Hemodynamics Pre-VAD-RVEF

*ACCField:* Not mapped *ParentShortName:* HPVRVEF

*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-PVO2 Measured** *SeqNo:* 2010

*Short Name:* HPVPVO2M *Core:* No

*Harvest:* No

*Definition:* Indicate whether the peak VO2 was measured prior to induction in the OR, or in an ICU immediately prior to the OR.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Hemodynamics Pre-VAD-PVO2** *SeqNo:* 2020

*Short Name:* HPVPVO2 *Core:* No

*Harvest:* No

*Definition:* Indicate the peak VO2 in ml/kg/min prior to induction in the OR, or in an ICU immediately prior to the OR.

*Harvest Coding:*

*Valid Data:* 5 - 30

*Usual Range:* 5 - 15

*Format:* Integer

*Data Source:* User *Parent Field:* VAD-Hemodynamics Pre-VAD-PVO2 Measured

*ACCField:* Not mapped *ParentShortName:* HPVPVO2M

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Implant Type** *SeqNo:* 2030

*Short Name:* VImpTy *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the initial type of VAD implanted.

*Harvest Coding:* 1 = RVAD - Right Ventricular Assist Device
2 = LVAD - Left Ventricular Assist Device
3 = BiVAD - BiVentricular Assist Device
4 = TAH - Total Artificial Heart

*Valid Data:* RVAD - Right Ventricular Assist Device; LVAD - Left Ventricular Assist Device; BiVAD -

BiVentricular Assist Device; TAH - Total Artificial Heart

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Initial VAD Cannulation/Attach Site - LVAD Inflow** *SeqNo:* 2032

*Short Name:* LVADInf *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the location of the LVAD inflow site as the left atrium (LA) or the left ventricle (LV). The LVAD inflow is defined as the anatomic location (left atrium or left ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

*Harvest Coding:* 1 = Left Atrium
2 = Left Ventricle

*Valid Data:* Left Atrium; Left Ventricle

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type

*ACCField:* Not mapped *ParentShortName:* VImpTy

*ParentValue:* = "LVAD", "BiVAD", or "TAH"

---

*Field Name:* **VAD-Initial VAD Cannulation/Attach Site - RVAD Inflow** *SeqNo:* 2033

*Short Name:* RVADInf *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the location of the RVAD inflow site as the right atrium (RA) or the right ventricle (RV). The RVAD inflow is defined as the anatomic location (right atrium or right ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

*Harvest Coding:* 1 = Right Atrium
2 = Right Ventricle

*Valid Data:* Right Atrium; Right Ventricle

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type

*ACCField:* Not mapped *ParentShortName:* VImpTy

*ParentValue:* = "RVAD", "BiVAD" or "TAH"

---

*Field Name:* **VAD-Product Type** *SeqNo:* 2040

*Short Name:* VProdTy *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the specific product implanted. Implant defined as physical placement of the VAD.

*Harvest Coding:* 1 = HeartQuest VAD

2 = Lion Heart
3 = Novacor LVAS
4 = Heartsaver VAD
5 = Jarvik 2000
6 = DeBakey VAD
7 = TandemHeart pVAD
8 = AB-180 iVAD
9 = CardioWest TAH
10 = Thoratec IVAD
11 = HeartMate VE
12 = HeartMate IP LVAS
13 = HeartMate SNAP-VE
14 = HeartMate XVE
15 = HeartMate II
16 = HeartMate III
17 = BVS5000i
18 = AbioCor
19 = Incor
20 = Excor
21 = Other

*Valid Data:* HeartQuest VAD; Lion Heart; Novacor LVAS; Heartsaver VAD; Jarvik 2000; DeBakey VAD; TandemHeart pVAD; AB-180 iVAD; CardioWest TAH; Thoratec IVAD; HeartMate VE; HeartMate IP LVAS; HeartMate SNAP-VE; HeartMate XVE ; HeartMate II; HeartMate III; BVS5000i; AbioCor; Incor; Excor; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type

*ACCField:* Not mapped *ParentShortName:* VImpTy

*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Implant Date** *SeqNo:* 2050

*Short Name:* VImpDt *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date the VAD was implanted.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Implant Type

*ACCField:* Not mapped *ParentShortName:* VImpTy

*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Explant** *SeqNo:* 2060

*Short Name:* VExp *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the VAD was explanted. Explant is defined as physical removal of the VAD.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type

*ACCField:* Not mapped *ParentShortName:* VImpTy

*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Explant Date** *SeqNo:* 2070

*Short Name:* VExpDt *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date the VAD was explanted.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Explant

*ACCField:* Not mapped *ParentShortName:* VExp

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Explant Reason** *SeqNo:* 2080

*Short Name:* VExpRsn *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the reason the VAD was explanted:

1. Cardiac Transplant- The VAD was explanted for Cardiac Transplant.
2. Recovery- The VAD was removed after cardiac recovery.
3. Device Transfer- The VAD was explanted in order to implant another assist device.
4. Device-Related Infection- An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever requiring medical or surgical intervention.
5. Device Malfunction- The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.
6. End of Life - Mechanical device pump has reached functional life expectancy and requires replacement.

*Harvest Coding:* 1 = Cardiac Transplant
2 = Recovery
3 = Device Transfer
4 = Device-Related Infection
5 = Device Malfunction
6 = End of Life

*Valid Data:* Cardiac Transplant; Recovery; Device Transfer; Device-Related Infection; Device Malfunction; End of Life

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Explant

*ACCField:* Not mapped *ParentShortName:* VExp

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Cardiac Transplant** *SeqNo:* 2090

*Short Name:* VCardTx *Core:* No

*Harvest:* No

*Definition:* Indicate whether the patient received a cardiac transplant during this hospitalization.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Explant Reason

*ACCField:* Not mapped *ParentShortName:* VExpRsn

*ParentValue:* = "Cardiac Transplant"

---

*Field Name:* **VAD-Cardiac Transplant Date** *SeqNo:* 2100

*Short Name:* VTxDt *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date the patient received a cardiac transplant.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Explant Reason

*ACCField:* Not mapped *ParentShortName:* VExpRsn

*ParentValue:* = "Cardiac Transplant"

---

*Field Name:* **VAD-Implant #2** *SeqNo:* 2129

*Short Name:* VImp2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a second ventricular assist device was implanted.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Implant Type #2** *SeqNo:* 2130

*Short Name:* VImpTy2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the second type of ventricular assist device implanted.

*Harvest Coding:* 1 = RVAD - Right Ventricular Assist Device
2 = LVAD - Left Ventricular Assist Device
3 = BiVAD - BiVentricular Assist Device
4 = TAH - Total Artificial Heart

*Valid Data:* RVAD - Right Ventricular Assist Device; LVAD - Left Ventricular Assist Device; BiVAD - BiVentricular Assist Device; TAH - Total Artificial Heart

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #2

*ACCField:* Not mapped *ParentShortName:* VImp2

*ParentValue:* = "Yes"

---

*Field Name:* **VAD- #2 VAD Cannulation/Attach Site - LVAD Inflow** *SeqNo:* 2131

*Short Name:* LVADinf2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the location of the LVAD inflow site as the left atrium (LA) or the left ventricle (LV). The LVAD inflow is defined as the anatomic location (left atrium or left ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

*Harvest Coding:* 1 = Left Atrium
2 = Left Ventricle

*Valid Data:* Left Atrium; Left Ventricle

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type #2

*ACCField:* Not mapped *ParentShortName:* VImpTy2

*ParentValue:* = "LVAD", "BiVAD", or "TAH"

---

*Field Name:* **VAD- #2 VAD Cannulation/Attach Site - RVAD Inflow** *SeqNo:* 2132

*Short Name:* RVADinf2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the location of the RVAD inflow site as the right atrium (RA) or the right ventricle (RV). The RVAD inflow is defined as the anatomic location (right atrium or right ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

*Harvest Coding:* 1 = Right Atrium
2 = Right Ventricle

*Valid Data:* Right Atrium; Right Ventricle

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type #2

*ACCField:* Not mapped *ParentShortName:* VImpTy2

*ParentValue:* = "RVAD", "BiVAD" or "TAH"

---

*Field Name:* **VAD-Product Type #2** *SeqNo:* 2140

*Short Name:* VProdTy2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the specific product #2 implanted. Implant defined as physical placement of the VAD.

*Harvest Coding:*
1 = HeartQuest VAD
2 = Lion Heart
3 = Novacor LVAS
4 = Heartsaver VAD
5 = Jarvik 2000
6 = DeBakey VAD
7 = TandemHeart pVAD
8 = AB-180 iVAD
9 = CardioWest TAH
10 = Thoratec IVAD
11 = HeartMate VE
12 = HeartMate IP LVAS
13 = HeartMate SNAP-VE
14 = HeartMate XVE
15 = HeartMate II
16 = HeartMate III
17 = BVS5000i
18 = AbioCor
19 = Incor
20 = Excor
21 = Other

*Valid Data:* HeartQuest VAD; Lion Heart; Novacor LVAS; Heartsaver VAD; Jarvik 2000; DeBakey VAD; TandemHeart pVAD; AB-180 iVAD; CardioWest TAH; Thoratec IVAD; HeartMate VE; HeartMate IP LVAS; HeartMate SNAP-VE; HeartMate XVE ; HeartMate II; HeartMate III; BVS5000i; AbioCor; Incor; Excor; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #2

*ACCField:* Not mapped *ParentShortName:* VImp2

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Implant Date #2** *SeqNo:* 2150

*Short Name:* VImpDt2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date the VAD #2 was implanted

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Implant #2

*ACCField:* Not mapped *ParentShortName:* VImp2

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Explant #2** *SeqNo:* 2160

*Short Name:* VExp2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the VAD #2 was explanted. Explant is defined as physical removal of the VAD.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #2

*ACCField:* Not mapped *ParentShortName:* VImp2

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Explant Date #2** *SeqNo:* 2170

*Short Name:* VExpDt2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date the VAD #2 was explanted.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Explant #2

*ACCField:* Not mapped *ParentShortName:* VExp2

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Explant Reason #2** *SeqNo:* 2180

*Short Name:* VExpRsn2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the reason the VAD #2 was explanted:

1. Cardiac Transplant- The VAD was explanted for Cardiac Transplant.
2. Recovery- The VAD was removed after cardiac recovery.
3. Device Transfer- The VAD was explanted in order to implant another assist device.
4. Device-Related Infection- An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever

requiring medical or surgical intervention.
5. Device Malfunction- The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.
6. End of Life - Mechanical device pump has reached functional life expectancy and requires replacement.

*Harvest Coding:* 1 = Cardiac Transplant
2 = Recovery
3 = Device Transfer
4 = Device-Related Infection
5 = Device Malfunction
6 = End of Life

*Valid Data:* Cardiac Transplant; Recovery; Device Transfer; Device-Related Infection; Device Malfunction; End of Life

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Explant #2

*ACCField:* Not mapped *ParentShortName:* VExp2

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Cardiac Transplant #2** *SeqNo:* 2190

*Short Name:* VCardTx2 *Core:* No

*Harvest:* No

*Definition:* Indicate if the patient received a cardiac transplant during this hospitalization.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Explant Reason #2

*ACCField:* Not mapped *ParentShortName:* VExpRsn2

*ParentValue:* = "Cardiac Transplant"

---

*Field Name:* **VAD-Cardiac Transplant Date #2** *SeqNo:* 2200

*Short Name:* VTxDt2 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the date the patient received a cardiac transplant.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Explant Reason #2

*ACCField:* Not mapped *ParentShortName:* VExpRsn2

*ParentValue:* = "Cardiac Transplant"

*Field Name:* **VAD-Implant #3** *SeqNo:* 2209
*Short Name:* VImp3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether a third ventricular assist device was implanted.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #2
*ACCField:* Not mapped *ParentShortName:* VImp2
*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Implant Type #3** *SeqNo:* 2210
*Short Name:* VImpTy3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the third type of ventricular assist device implanted.

*Harvest Coding:* 1 = RVAD - Right Ventricular Assist Device
2 = LVAD - Left Ventricular Assist Device
3 = BiVAD - BiVentricular Assist Device
4 = TAH - Total Artificial Heart

*Valid Data:* RVAD - Right Ventricular Assist Device; LVAD - Left Ventricular Assist Device; BiVAD - BiVentricular Assist Device; TAH - Total Artificial Heart

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #3
*ACCField:* Not mapped *ParentShortName:* VImp3
*ParentValue:* = "Yes"

---

*Field Name:* **VAD- #3 VAD Cannulation/Attach Site - LVAD Inflow** *SeqNo:* 2211
*Short Name:* LVADInf3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the location of the LVAD inflow site as the left atrium (LA) or the left ventricle (LV). The LVAD inflow is defined as the anatomic location (left atrium or left ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

*Harvest Coding:* 1 = Left Atrium
2 = Left Ventricle

*Valid Data:* Left Atrium; Left Ventricle

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type #3
*ACCField:* Not mapped *ParentShortName:* VImpTy3

*ParentValue:* = "LVAD", "BiVAD", or "TAH"

---

*Field Name:* **VAD- #3 VAD Cannulation/Attach Site - RVAD Inflow** *SeqNo:* 2212

*Short Name:* RVADInf3 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the location of the RVAD inflow site as the right atrium (RA) or the right ventricle (RV). The RVAD inflow is defined as the anatomic location (right atrium or right ventricle) for the VAD cannula or conduit that provides the flow of blood from the heart to the VAD pump.

*Harvest Coding:*
1 = Right Atrium
2 = Right Ventricle

*Valid Data:* Right Atrium; Right Ventricle

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant Type #3

*ACCField:* Not mapped *ParentShortName:* VImpTy3

*ParentValue:* = "RVAD", "BiVAD" or "TAH"

---

*Field Name:* **VAD-Product Type #3** *SeqNo:* 2220

*Short Name:* VProdTy3 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the specific product #3 implanted. Implant defined as physical placement of the VAD.

*Harvest Coding:*
1 = HeartQuest VAD
2 = Lion Heart
3 = Novacor LVAS
4 = Heartsaver VAD
5 = Jarvik 2000
6 = DeBakey VAD
7 = TandemHeart pVAD
8 = AB-180 iVAD
9 = CardioWest TAH
10 = Thoratec IVAD
11 = HeartMate VE
12 = HeartMate IP LVAS
13 = HeartMate SNAP-VE
14 = HeartMate XVE
15 = HeartMate II
16 = HeartMate III
17 = BVS5000i
18 = AbioCor
19 = Incor
20 = Excor
21 = Other

*Valid Data:* HeartQuest VAD; Lion Heart; Novacor LVAS; Heartsaver VAD; Jarvik 2000; DeBakey VAD; TandemHeart pVAD; AB-180 iVAD; CardioWest TAH; Thoratec IVAD; HeartMate VE; HeartMate IP LVAS; HeartMate SNAP-VE; HeartMate XVE ; HeartMate II; HeartMate III; BVS5000i; AbioCor; Incor; Excor; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #3
*ACCField:* Not mapped *ParentShortName:* VImp3
*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Implant Date #3** *SeqNo:* 2230
*Short Name:* VImpDt3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the date the VAD #3 was implanted.

*Harvest Coding:*

*Valid Data:*
*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Implant #3
*ACCField:* Not mapped *ParentShortName:* VImp3
*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Explant #3** *SeqNo:* 2240
*Short Name:* VExp3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate if the VAD #3 was explanted. Explant is defined as physical removal of the VAD.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No
*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Implant #3
*ACCField:* Not mapped *ParentShortName:* VImp3
*ParentValue:* Is Not Missing

---

*Field Name:* **VAD-Explant Date #3** *SeqNo:* 2250
*Short Name:* VExpDt3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the date the VAD #3 was explanted.

*Harvest Coding:*

*Valid Data:*
*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Explant #3
*ACCField:* Not mapped *ParentShortName:* VExp3
*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Explant Reason #3** *SeqNo:* 2260

*Short Name:* VExpRsn3 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the reason the VAD #3 was explanted:

1. Cardiac Transplant- The VAD was explanted for Cardiac Transplant.
2. Recovery- The VAD was removed after cardiac recovery.
3. Device Transfer- The VAD was explanted in order to implant another assist device.
4. Device-Related Infection- An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever requiring medical or surgical intervention.
5. Device Malfunction- The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.
6. End of Life - mechanical device pump has reached functional life expectancy and requires replacement.

*Harvest Coding:* 1 = Cardiac Transplant
2 = Recovery
3 = Device Transfer
4 = Device-Related Infection
5 = Device Malfunction
6 = End of Life

*Valid Data:* Cardiac Transplant; Recovery; Device Transfer; Device-Related Infection; Device Malfunction; End of Life

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Explant #3

*ACCField:* Not mapped *ParentShortName:* VExp3

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Cardiac Transplant #3** *SeqNo:* 2270

*Short Name:* VCardTx3 *Core:* No

*Harvest:* No

*Definition:* Indicate if the patient received a cardiac transplant during this hospitalization.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD-Explant Reason #3

*ACCField:* Not mapped *ParentShortName:* VExpRsn3

*ParentValue:* = "Cardiac Transplant"

---

*Field Name:* **VAD-Cardiac Transplant Date #3** *SeqNo:* 2280
*Short Name:* VTxDt3 *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the date the patient received a cardiac transplant.

*Harvest Coding:*

*Valid Data:*
*Usual Range:*

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* VAD-Explant Reason #3
*ACCField:* Not mapped *ParentShortName:* VExpRsn3
*ParentValue:* = "Cardiac Transplant"

---

*Field Name:* **VAD-Primary VAD Comp-Intracranial Bleed** *SeqNo:* 2290
*Short Name:* PVCmpBld *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate if the patient had an intracranial bleed, confirmed by CT scan or other diagnostic studies.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No
*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD
*ACCField:* Not mapped *ParentShortName:* VAD
*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Primary VAD Comp-Embolic Stroke** *SeqNo:* 2300
*Short Name:* PVCmpESt *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate if the patient had embolic stroke caused by a blood clot, air embolus, or tissue, confirmed by CT scan or other diagnostic studies.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No
*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD
*ACCField:* Not mapped *ParentShortName:* VAD
*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Primary VAD Comp-Driveline and/or cannula Infection** *SeqNo:* 2310
*Short Name:* PVCmpDCI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient had a driveline and/or cannula infection. Driveline and/or cannula infection is defined as the presence of erythema, drainage, or purulence at the VAD connection site whether entering or exiting the body in association with leukocytosis and in the presence of positive culture.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Primary VAD Comp-Pump Pocket Infection** *SeqNo:* 2320

*Short Name:* PVCmpPPI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient had a pump pocket infection. A pump pocket infection is defined as a persistent drainage in the physical location of the pump, located preperitoneally or intra-abdominally with positive cultures from the pocket site.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Primary VAD Comp-VAD Endocarditis** *SeqNo:* 2330

*Short Name:* PVCmpEnd *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient had VAD endocarditis. VAD endocarditis is defined as an infection of the blood contacting surface of the VAD device itself. This may include:
- internal surfaces;
- graft material;
- inflow/outflow valves of the VAD.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Primary VAD Comp-Device Malfunction** *SeqNo:* 2340

*Short Name:* PVCmpMal *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Primary VAD Comp-Bowel Obstruction** *SeqNo:* 2341

*Short Name:* PVCmpBO *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient was diagnosed with a bowel obstruction post VAD insertion by documentation in the medical record.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

---

*Field Name:* **VAD-Discharge Status** *SeqNo:* 2350

*Short Name:* VADDiscS *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the VAD status at discharge from the hospital.

*Harvest Coding:* 1 = With VAD
2 = Without VAD
3 = Expired in Hospital Where Initial VAD Was Implanted

*Valid Data:* With VAD; Without VAD; Expired in Hospital Where Initial VAD Was Implanted

*Usual Range:*

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

*Data Source:* User *Parent Field:* VAD

*ACCField:* Not mapped *ParentShortName:* VAD

*ParentValue:* = "Yes"

## M. Other Cardiac Procedures

*Field Name:* **Other Card-LVA** *SeqNo:* 2360

*Short Name:* OCarLVA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a Left Ventricular Aneurysm Repair either in conjunction with, or as the primary surgical procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

*Field Name:* **Other Card-VSD** *SeqNo:* 2370

*Short Name:* OCarVSD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a Ventricular Septal Defect Repair either in conjunction with, or as the primary surgical procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

*Field Name:* **Other Card-ASD** *SeqNo:* 2380

*Short Name:* OCarASD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had an Atrial Septal Defect Repair either in conjunction with, or as the primary surgical procedure including but not limited to ASD, Secundum; ASD, Sinus venosus; and PFO.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card
*ACCField:* Not mapped *ParentShortName:* OpOCard
*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Batista** *SeqNo:* 2390
*Short Name:* OCarBati *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had a Left Ventricular Reduction Myoplasty either in conjunction with, or as the primary surgical procedure. Left Ventricular Reduction Myoplasty is a procedure whereby left ventricular myocardium is excised to reduce left ventricular volume in patients with a dilated cardiomyopathy, with or without mitral valve replacement or repair. If a concomitant valve procedure is performed, please check that category also.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card
*ACCField:* Not mapped *ParentShortName:* OpOCard
*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Surgical Ventricular Restoration** *SeqNo:* 2400
*Short Name:* OCarSVR *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had a Surgical Ventricular Restoration either in conjunction with, or as the primary surgical procedure. Surgical Ventricular Restoration are procedures that restore the geometry of the heart after an anterior MI. They include the Dor procedure or the SAVER procedure. This SVR procedure is distinct from an anterior left ventricular aneurysmectomy (LVA) and from a Batista procedure (left ventricular volume reduction procedure).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card
*ACCField:* Not mapped *ParentShortName:* OpOCard
*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Congenital** *SeqNo:* 2410
*Short Name:* OCarCong *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had a congenital defect repair either in conjunction with, or as the primary surgical procedure.

*Harvest Coding:* 1 = Yes

2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Transmyocardial Laser Revascularization** *SeqNo:* 2420

*Short Name:* OCarLasr *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient underwent the creation of multiple channels in left ventricular myocardium with a laser fiber either in conjunction with, or as the primary surgical procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Cardiac Trauma** *SeqNo:* 2430

*Short Name:* OCarTrma *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a surgical procedure for an injury due to Cardiac Trauma either in conjunction with, or as the primary surgical procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Card Tx** *SeqNo:* 2440

*Short Name:* OCarCrTx *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a Heterotopic or Orthotopic heart transplantation either in conjunction with, or as the primary surgical procedure.

*Harvest Coding:* 1 = Yes

2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Arrhythmia Correction Surgery** *SeqNo:* 2450

*Short Name:* OCarACD *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if one of the following arrhythmia correction devices was surgically placed either in conjunction with, or as the primary surgical procedure:

None
Permanent Pacemaker: an internal electronic generator that controls the heart rate.
Permanent Pacemaker with Cardiac Resynchronization Therapy (CRT): an internal permanent pacemaker that uses biventricular electrical stimulation to synchronize ventricular contraction.
Automatic Implanted Cardioverter Defibrillator (AICD): an internal device that defibrillates the heart.
AICD with CRT: an internal AICD that uses biventricular electrical stimulation to synchronize ventricular contraction.

*Harvest Coding:* 1 = None
2 = Permanent Pacemaker
3 = Permanent Pacemaker with Cardiac Resynchronization Technique (CRT)
4 = Automatic Implanted Cardioverter Defibrillator (AICD)
5 = AICD with CRT

*Valid Data:* None; Permanent Pacemaker; Permanent Pacemaker with Cardiac Resynchronization Technique (CRT); Automatic Implanted Cardioverter Defibrillator (AICD); AICD with CRT

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card

*ACCField:* Not mapped *ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Arrhythmia Correction Surgery-Lead Placement** *SeqNo:* 2460

*Short Name:* OCarACDL *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate which lead placement was used for the permanent pacemaker with CRT or AICD with CRT:

Epicardial: the outer most layer of the heart.
Endocardial: the inner most layer of the heart.

*Harvest Coding:* 1 = Epicardial
2 = Endocardial

*Valid Data:* Epicardial; Endocardial

*Usual Range:*

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

*Data Source:* User

*Parent Field:* Other Card-Arrhythmia Correction Surgery

*ACCField:* Not mapped

*ParentShortName:* OCarACD

*ParentValue:* = "Permanent Pacemaker with Cardiac Resynchronization Technique (CRT)" or "AICD with CRT"

---

*Field Name:* **Other Card-Atrial Fibrillation Correction Surgery**

*SeqNo:* 2470

*Short Name:* OCarAFib

*Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if one of the following atrial fibrillation correction surgeries was performed either in conjunction with, or as the primary surgical procedure. The intent of both surgeries is to preclude the atria from fibrillating by disrupting the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.

Standard Surgical Maze Procedure: Surgical procedure in which full thickness incisions are made in the atria of the heart. Sutures are then used to reapproximate the incised tissue. The resulting lesion disrupts the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.

Other Surgical Ablative Procedure: Surgical procedure in which lesions are created in the atria of the heart by an energy source. The lesion disrupts the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.

Combination of Standard Surgical Maze Procedure and Other Surgical Ablative Procedure.

*Harvest Coding:*
1 = None
2 = Standard Surgical Maze Procedure
3 = Other Surgical Ablative Procedure
4 = Combination of Standard and Other Procedures

*Valid Data:* None; Standard Surgical Maze Procedure; Other Surgical Ablative Procedure; Combination of Standard and Other Procedures

*Usual Range:*

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

*Data Source:* User

*Parent Field:* Other Card

*ACCField:* Not mapped

*ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Atrial Fibrillation Correction Surgery-Energy Source**

*SeqNo:* 2480

*Short Name:* OCarAFES

*Core:* No

*Harvest:* No

*Definition:* Indicate which energy source was used to create the lesions in the atria of the heart.

*Harvest Coding:*
10 = Unipolar Radiofrequency
20 = Bipolar Radiofrequency
30 = Microwave
40 = Cryothermia

98 = Other
99 = Combination of above

*Valid Data:* Unipolar Radiofrequency; Bipolar Radiofrequency; Microwave Radiofrequency; Cryothermia Radiofrequency; Other; Combination of above

*Usual Range:*

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

*Data Source:* User

*Parent Field:* Other Card-Atrial Fibrillation Correction Surgery

*ACCField:* Not mapped

*ParentShortName:* OCarAFib

*ParentValue:* = "Other Surgical Ablative Procedure" or "Combination of Standard and Other Procedures"

---

*Field Name:* **Other Card-Ao Aneur** *SeqNo:* 2510

*Short Name:* ONCAoAn *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient underwent an aortic aneurysm repair either in conjunction with, or as the primary surgical procedure. This includes dissections, non-dissections and ruptures of the aorta.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User

*Parent Field:* Other Card

*ACCField:* Not mapped

*ParentShortName:* OpOCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Asc** *SeqNo:* 2520

*Short Name:* ONCAsc *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient underwent repair of ascending aortic aneurysm either in conjunction with, or as the primary surgical procedure. Aneurysm refers to pathologic dilatation of the aorta. The ascending aorta begins at the aortic annulus and ends at the origin of the innominate artery where the aorta continues as the transverse arch.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User

*Parent Field:* Other Card-Ao Aneur

*ACCField:* Not mapped

*ParentShortName:* ONCAoAn

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Arch** *SeqNo:* 2530

*Short Name:* ONCArch *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient underwent repair of aneurysm in the arch of the aorta either in conjunction with, or as the primary surgical procedure. The arch begins at the origin of the innominate artery and ends beneath the left subclavian artery. It is the portion of the aorta at the top of the heart that gives off three important blood vessels; the innominate artery, the left carotid artery and the left subclavian artery.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card-Ao Aneur

*ACCField:* Not mapped *ParentShortName:* ONCAoAn

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Desc** *SeqNo:* 2540

*Short Name:* ONCDesc *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient underwent repair of a descending aortic aneurysm either in conjunction with, or as the primary surgical procedure. The descending aorta is the portion of the aorta between the arch and the abdomen.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card-Ao Aneur

*ACCField:* Not mapped *ParentShortName:* ONCAoAn

*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Thoracoabdominal Aneurysm** *SeqNo:* 2550

*Short Name:* ONCThAbd *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate if the patient underwent repair of a thoracoabdominal aneurysm either in conjunction with, or as the primary surgical procedure. Thoracoabdominal aneurysms can involve the entire thoracoabdominal aorta from the origin of the left subclavian artery to the aortic bifurcation or can involve only one or more segments of the abdominal aorta.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card-Ao Aneur

*ACCField:* Not mapped *ParentShortName:* ONCAoAn
*ParentValue:* = "Yes"

---

*Field Name:* **Other Card-Other** *SeqNo:* 2560
*Short Name:* OCarOthr *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had an other cardiac procedure performed either in conjunction with, or as the primary surgical procedure that is not included within this section. Includes, but is not limited to those procedures listed on the STS Data Manager's section of the STS Web Site.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Card
*ACCField:* Not mapped *ParentShortName:* OpOCard
*ParentValue:* = "Yes"

---

## N. Other Non Cardiac Procedures

*Field Name:* **Other Non Card-Caro Endart** *SeqNo:* 2570
*Short Name:* ONCCarEn *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient underwent surgical removal of stenotic atheromatous plaque or percutaneous/surgical placement of carotid stent in conjunction with the primary surgical procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Non Card
*ACCField:* Not mapped *ParentShortName:* OpONCard
*ParentValue:* = "Yes"

---

*Field Name:* **Other Non Card-Other Vasc** *SeqNo:* 2580
*Short Name:* ONCOVasc *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether patient had procedures treating peripheral vascular disease in conjunction with the primary surgical procedure.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Non Card

*ACCField:* Not mapped *ParentShortName:* OpONCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Non Card-Other Thor** *SeqNo:* 2590

*Short Name:* ONCOThor *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether patient underwent procedures involving Thorax/Pleura in conjunction with the primary surgical procedure. This includes but is not limited to open lung biopsy, lung resection, pulmonary artery embolectomy, pulmonary arter endarterectomy, mediastinal mass and/or lung dissection.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Non Card

*ACCField:* Not mapped *ParentShortName:* OpONCard

*ParentValue:* = "Yes"

---

*Field Name:* **Other Non Card-Other** *SeqNo:* 2600

*Short Name:* ONCOther *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had any other non-cardiac procedure performed in conjunction with the primary surgical procedure that is not included within this section.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Other Non Card

*ACCField:* Not mapped *ParentShortName:* OpONCard

*ParentValue:* = "Yes"

---

## O. Postoperative

*Field Name:* **Postoperative Creatinine Level** *SeqNo:* 2605
*Short Name:* PostCreat *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the postoperative Creatinine level. If more than one level is obtained, code the highest level.

*Harvest Coding:*

*Valid Data:* 0.1 - 30.0

*Usual Range:* 0.1 - 9.0

*Format:* Real

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Blood Prod** *SeqNo:* 2610
*Short Name:* BldProd *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether blood products were transfused any time postoperatively. Postoperatively is defined as any blood started after the initial surgery. Include blood transfused after the initial surgery, including any blood transfused during a reoperative surgery.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Blood Prod - RBC Units** *SeqNo:* 2620
*Short Name:* BdRBCU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of packed red blood cells that were transfused any time postoperatively.

Do not include autologous, cell-saver or chest tube recirculated blood.

*Harvest Coding:*

*Valid Data:* 0 - 50

*Usual Range:* 0 - 10

*Format:* Integer

*Data Source:* User *Parent Field:* Blood Prod

*ACCField:* Not mapped *ParentShortName:* BldProd

*ParentValue:* = "Yes"

*Field Name:* **Blood Prod - FFP Units** *SeqNo:* 2630
*Short Name:* BdFFPU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of fresh frozen plasma that were transfused any time postoperatively.

*Harvest Coding:*

*Valid Data:* 0 - 50
*Usual Range:* 0 - 10
*Format:* Integer
*Data Source:* User *Parent Field:* Blood Prod
*ACCField:* Not mapped *ParentShortName:* BldProd
*ParentValue:* = "Yes"

---

*Field Name:* **Blood Prod - Cryo Units** *SeqNo:* 2640
*Short Name:* BdCryoU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of cryoprecipitate that were transfused intraoperatively.

One bag of cryo = one unit.
The number of units is not volume dependent.

*Harvest Coding:*

*Valid Data:* 0 - 50
*Usual Range:* 0 - 10
*Format:* Integer
*Data Source:* User *Parent Field:* Blood Prod
*ACCField:* Not mapped *ParentShortName:* BldProd
*ParentValue:* = "Yes"

---

*Field Name:* **Blood Prod - Platelet Units** *SeqNo:* 2650
*Short Name:* BdPlatU *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the number of units of platelets that were transfused intraoperatively.

Count the dose pack as one unit. A dose pack may consist of 4, 6, 8, 10, or any number of donor platelets obtained. The number of units coded is not volume dependent.

*Harvest Coding:*

*Valid Data:* 0 - 50
*Usual Range:*
*Format:* Integer
*Data Source:* User *Parent Field:* Blood Prod
*ACCField:* Not mapped *ParentShortName:* BldProd
*ParentValue:* = "Yes"

---

*Field Name:* **Extubated In OR** *SeqNo:* 2660

*Short Name:* ExtubOR *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient was extubated prior to leaving the operating room during the initial surgery.

If patient expires in the operating room during the initial surgery, answer "Yes".

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Initial Hours Ventilated** *SeqNo:* 2670

*Short Name:* VentHrsI *Core:* No

*Harvest:* No

*Definition:* Indicate the number of initial hours post operation for which the patient was ventilated before any reintubation. Number of initial hours includes hours ventilated post-operatively until removal of the endotracheal tube or if patient has tracheostomy tube, until no longer ventilator dependent. Leave blank if the patient was extubated on the operating table. Any patient ventilated > 24 hours is coded as a Pulmonary Complication of "Prolonged Ventilation"

*Harvest Coding:*

*Valid Data:* 0.1 - 5000.0

*Usual Range:* 1.0 - 168.0

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

*Data Source:* User *Parent Field:* Extubated in OR

*ACCField:* Not mapped *ParentShortName:* ExtubOR

*ParentValue:* = "No"

---

*Field Name:* **Re-intubated During Hospital Stay** *SeqNo:* 2680

*Short Name:* ReIntub *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient was reintubated during the hospital stay after the initial extubation.

This may include patients who have been extubated in the OR and require intubation in the postoperative period.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Additional Hours Ventilated** *SeqNo:* 2690

*Short Name:* VentHrsA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate how many additional hours the patient was on ventilator after initial extubation.

*Harvest Coding:*

*Valid Data:* 0.1 - 5000.0

*Usual Range:* 1.0 - 168.0

*Format:* Real

*Data Source:* User *Parent Field:* Re-intubated During Hospital Stay

*ACCField:* Not mapped *ParentShortName:* ReIntub

*ParentValue:* = "Yes"

---

*Field Name:* **Postop Vent Hours - Total** *SeqNo:* 2700

*Short Name:* VentHrs *Core:* No

*Harvest:* No

*Definition:* Indicate the total number of hours including any reintubation hours. Any patient ventilated > 24 hours should be coded as a Pulmonary Complication of "Prolonged Ventilation". If extubated in the OR and no additional ventilation hours, enter zero in this field.

*Harvest Coding:*

*Valid Data:* 0.0 - 10000.0

*Usual Range:* 0.0 - 168.0

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

*Data Source:* User or Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

## P. Complications

*Field Name:* **Comps-Complications** *SeqNo:* 2710
*Short Name:* Complics *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether a postoperative event occurred 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

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Comps-Op-ReOp Bleed/Tamponade** *SeqNo:* 2720
*Short Name:* COpReBld *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient returned to the operating room for mediastinal bleeding/tamponade.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Op-ReOp Vlv Dys** *SeqNo:* 2730
*Short Name:* COpReVlv *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient returned to the operating room for prosthetic or native valve dysfunction.

Dysfunction may be structural and/or non-structural failure. Dysfunction may be of a prosthesis, a progressive native disease process, or an acute event process that disrupts valve function and creates either clinical compromising insufficiency/regurgitation or valve orifice narrowing.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Op-ReOp Gft Occl** *SeqNo:* 2740
*Short Name:* COpReGft *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient returned to the operating room for coronary graft occlusion due to acute closure, thrombosis, technical or embolic origin.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Op-ReOp Other Card** *SeqNo:* 2750
*Short Name:* COpReOth *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient returned to the operating room for other cardiac reasons.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Op-ReOp Other Non Card** *SeqNo:* 2760
*Short Name:* COpReNon *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient returned to the operating room for other non-cardiac reasons.

This includes procedures requiring a return to the operating room such as tracheostomy, hematoma evacuation, delayed sternal closure ?????

This does not include procedures performed outside the operating room such as GI Lab for peg tube, shunts for dialysis, etc.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Op-Perioperative MI** *SeqNo:* 2770

*Short Name:* COpPerMI *Core:* Yes

*Harvest:* Yes

*Definition:* ( 0-24 hours post-op)
Indicate the presence of a peri-operative MI ( 0-24 hours post-op) as documented by the following criteria:

The CK-MB (or CK if MB not available) must be greater than or equal to 5 times the upper limit of normal, with or without new Q waves present in two or more contiguous ECG leads. No symptoms required.

(> 24 hours post-op)
Indicate the presence of a peri-operative MI (> 24 hours post-op) as documented by at least one of the following criteria:

1. Evolutionary ST- segment elevations
2. Development of new Q- waves in two or more contiguous ECG leads
3. New or presumably new LBBB pattern on the ECG
4. The CK-MB (or CK if MB not available) must be greater than or equal to 3 times the upper limit of normal

Because normal limits of certain blood tests may vary, please check with your lab for normal limits for CK-MB and total CK.

Defining Reference Control Values (Upper Limit of Normal):
Reference values must be determined in each laboratory by studies using specific assays with appropriate quality control, as reported in peer-reviewed journals. Acceptable imprecision (coefficient of variation) at the 99th percentile for each assay should be defined as < or = to 10%. Each individual laboratory should confirm the range of reference values in their specific setting.

---

This element should not be coded as an adverse event for evolving MI's unless their enzymes peak, fall, then have a second peak.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Infect-Stern Deep** *SeqNo:* 2780

*Short Name:* CIStDeep *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient, within 30 days postoperatively, had a deep sternal infection involving muscle, bone, and/or mediastinum REQUIRING OPERATIVE INTERVENTION.

Must have ALL of the following conditions:
1. Wound opened with excision of tissue (I&D) or re-exploration of mediastinum
2. Positive culture
3. Treatment with antibiotics.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Infect-Thoracotomy** *SeqNo:* 2790

*Short Name:* CIThor *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had an infection involving a thoracotomy or parasternal site.
Must have one of the following conditions:
1. Wound opened with excision of tissue (I&D)
2. Positive culture
3. Treatment with antibiotics

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Infect-Leg** *SeqNo:* 2800

*Short Name:* CILeg *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had an infection involving a leg vein harvest site.
Must have one of the following conditions:
1. Wound opened with excision of tissue (I&D)
2. Positive culture
3. Treatment with antibiotics

*Harvest Coding:* 1 = Yes

2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Infect-Arm** *SeqNo:* 2801

*Short Name:* CIArm *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had an infection involving an arm 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

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Infect-Septicemia** *SeqNo:* 2810

*Short Name:* CISeptic *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had septicemia (requires positive blood cultures) postoperatively.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Stroke Perm** *SeqNo:* 2830

*Short Name:* CNStrokP *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient has a postoperative stroke (i.e., any confirmed neurological deficit of

abrupt onset caused by a disturbance in cerebral blood supply) that did not resolve within 24 hours.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Stroke Trans** *SeqNo:* 2840

*Short Name:* CNStrokT *Core:* No

*Harvest:* No

*Definition:* Indicate whether the patient had a postoperatively transient neurologic deficit (Transient Ischemic Attack (TIA) recovery within 24 hours; Reversible Ischemic Neurologic Deficit (RIND) recovery within 72 hours).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Stroke Trans - TIA** *SeqNo:* 2841

*Short Name:* CNStrokTTIA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a postoperative Transient Ischemic Attack (TIA): Loss of neurological function that was abrupt in onset but with complete return of function within 24 hours.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Stroke Trans - RIND** *SeqNo:* 2842

*Short Name:* CNStrokTRIND *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a postoperative Reversible Ischemic Neurologic Deficit (RIND): Loss of neurological function with symptoms at least 24 hours after onset but with complete return of function within 72 hours.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Cont Coma >=24Hrs** *SeqNo:* 2850

*Short Name:* CNComa *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a new postoperative coma that persists for at least 24 hours secondary to anoxic/ischemic and/or metabolic encephalopathy, thromboembolic event or cerebral bleed.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Paralysis** *SeqNo:* 2851

*Short Name:* CNParal *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a new postoperative paralysis or paraplegia.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Neuro-Paralysis Type** *SeqNo:* 2852

*Short Name:* CNParalTy *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the new postoperative paralysis or paraplegia was transient or permanent.

*Harvest Coding:* 1 = Transient
2 = Permanent

*Valid Data:* Transient; Permanent

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Neuro-Paralysis

*ACCField:* Not mapped *ParentShortName:* CNParal

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Pulm-Vent Prolonged** *SeqNo:* 2860

*Short Name:* CPVntLng *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had prolonged pulmonary ventilator > 24 hours.

Include (but not limited to) causes such as ARDS, pulmonary edema, and/or any patient requiring mechanical ventilation > 24 hours postoperatively.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Pulm-Pulm Embolism** *SeqNo:* 2870

*Short Name:* CPPulEmb *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a pulmonary embolism diagnosed by study such as V/Q scan, angiogram, or spiral CT.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Pulm-Pneumonia** *SeqNo:* 2880

*Short Name:* CPPneum *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had Pneumonia diagnosed by any of the following: positive cultures of sputum, transtracheal fluid, bronchial washings, and/or clinical findings consistent with the diagnosis of pneumonia (which may include chest x-ray diagnostic of pulmonary infiltrates).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Renal-Renal Failure** *SeqNo:* 2890

*Short Name:* CRenFail *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had acute or worsening renal failure resulting in one or more of the following:
1. Increase of serum creatinine to > 2.0, and 2x most recent preoperative creatinine level.
2. A new requirement for dialysis postoperatively.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Renal-Dialysis Req** *SeqNo:* 2900

*Short Name:* CRenDial *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a new requirement for dialysis postoperatively, which may include hemodialysis, peritoneal dialysis, and any form of ultrafiltration.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Renal-Renal Failure

*ACCField:* Not mapped *ParentShortName:* CRenFail

*ParentValue:* = "Yes"

*Field Name:* **Comps-Vasc-Iliac/Fem Dissect** *SeqNo:* 2910
*Short Name:* CVaIlFem *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had a dissection occurring in the iliac or femoral arteries.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Vasc-Acute Limb Isch** *SeqNo:* 2920
*Short Name:* CVaLbIsc *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had any complication producing limb ischemia. This may include upper or lower limb ischemia.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-Heart Block** *SeqNo:* 2930
*Short Name:* COtHtBlk *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had a new heart block requiring the implantation of a permanent pacemaker of any type prior to discharge.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications
*ACCField:* Not mapped *ParentShortName:* Complics
*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-Card Arrest** *SeqNo:* 2940

*Short Name:* COtArrst *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had an acute 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

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-Anticoag Event** *SeqNo:* 2950

*Short Name:* COtCoag *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had bleeding, hemorrhage, and/or embolic events related to anticoagulant therapy postoperatively.

This may include patients who experience Disseminated Intravascular Coagulopathy (DIC) or Heparin Induced Thrombocytopenia (HIT).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-Tamponade** *SeqNo:* 2960

*Short Name:* COtTamp *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had fluid in the pericardial space compromising cardiac filling, and requiring intervention other than returning to the operating room, such as pericardialcentesis.

This should be documented by either:
1. Echo showing pericardial fluid and signs of tamponade such as right heart compromise, or
2. Systemic hypotension due to pericardial fluid compromising cardiac function

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-GI Event** *SeqNo:* 2970

*Short Name:* COtGI *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a postoperative occurrence of any GI event, including but not limited to:
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 event (e.g., Clostridium difficile).

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-Multi Sys Fail** *SeqNo:* 2980

*Short Name:* COtMSF *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had two or more major organ systems suffer compromised functions.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-A Fib** *SeqNo:* 2990

*Short Name:* COtAFib *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a new onset of atrial fibrillation/flutter (AF) requiring treatment. Does not include recurrence of AF which had been present preoperatively.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Ao Dissect** *SeqNo:* 3000

*Short Name:* CVaAoDis *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient had a dissection occurring in any part of the aorta.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

*Field Name:* **Comps-Other-Other** *SeqNo:* 3010

*Short Name:* COtOther *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether a postoperative event occurred that is not identified in the categories above yet impacts hospital length of stay and/or outcome.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Comps-Complications

*ACCField:* Not mapped *ParentShortName:* Complics

*ParentValue:* = "Yes"

---

## Q. Mortality

*Field Name:* **Mort-Mortality** *SeqNo:* 3020
*Short Name:* Mortalty *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient has been declared dead within this hospital or any time after discharge from this hospitalization. This includes all causes of death, including those causes clearly unrelated to the operation.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Mort-DC Status** *SeqNo:* 3030
*Short Name:* MtDCStat *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient was alive or dead AT discharge from the hospitalization in which surgery occurred.

*Harvest Coding:* 1 = Alive
2 = Dead

*Valid Data:* Alive; Dead

*Usual Range:*

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

*Data Source:* User *Parent Field:*
*ACCField:* Mapped - Definition and coding *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Mort-30d Status** *SeqNo:* 3040
*Short Name:* Mt30Stat *Core:* Yes
*Harvest:* Yes

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

*Harvest Coding:* 1 = Alive
2 = Dead
3 = Unknown

*Valid Data:* Alive; Dead; Unknown

*Usual Range:*

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

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **Mort-Op Death** *SeqNo:* 3050
*Short Name:* MtOpD *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether the patient had an operative mortality: Includes both (1) all deaths occurring during the hospitalization in which the operation was performed, even if after 30 days; and (2) those deaths occurring after discharge from the hospital, but within 30 days of the procedure unless the cause of death is clearly unrelated to the operation.

*Harvest Coding:* 1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-Mortality
*ACCField:* Not mapped *ParentShortName:* Mortalty
*ParentValue:* = "Yes"

---

*Field Name:* **Mort-Date** *SeqNo:* 3060
*Short Name:* MtDate *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the date the patient was declared dead.

*Harvest Coding:*

*Valid Data:* (Between Discharge and system date)

*Usual Range:* (Within 1 year before system date)

*Format:* Date in the format mm/dd/yyyy

*Data Source:* User *Parent Field:* Mort-Mortality
*ACCField:* Not mapped *ParentShortName:* Mortalty
*ParentValue:* = "Yes"

---

*Field Name:* **Mort-Location** *SeqNo:* 3070
*Short Name:* MtLocatn *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the patient's location at time of death:
Operating Room (OR) during initial surgery
Hospital (Other than Operating Room)
Home
Other Care Facility
Operating Room (OR) during reoperation
Unknown

*Harvest Coding:* 1 = OR during initial surgery
2 = Hospital
3 = Home
4 = Other Care Facility

5 = OR during reoperation
6 = Unknown

*Valid Data:* OR during initial surgery; Hospital; Home; Other Care Facility; OR during reoperation; Unknown

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-Mortality

*ACCField:* Not mapped *ParentShortName:* Mortalty

*ParentValue:* = "Yes"

---

*Field Name:* **Mort-Prim Cause** *SeqNo:* 3080

*Short Name:* MtCause *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the PRIMARY cause of death, i.e. the first significant abnormal event which ultimately led to death; choose one of the following:
Cardiac
Neurologic
Renal
Vascular
Infection
Pulmonary
Valvular
Unknown
Other

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

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

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-Mortality

*ACCField:* Mapped - Definition and coding *ParentShortName:* Mortalty

*ParentValue:* = "Yes"

---

## R. Discharge

*Field Name:* **ADP Inhibitors - Discharge** *SeqNo:* 3090
*Short Name:* DCADP *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether or not the patient was discharged from facility on ADP Inhibitors, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status
*ACCField:* Not mapped *ParentShortName:* MtDCStat
*ParentValue:* = "Alive"

---

*Field Name:* **Antiarrhythmics - Discharge** *SeqNo:* 3100
*Short Name:* DCAArhy *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate whether or not the patient was discharged from facility on antiarrhythmics, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status
*ACCField:* Not mapped *ParentShortName:* MtDCStat
*ParentValue:* = "Alive"

---

*Field Name:* **Antiarrhythmics - Discharge - Medication Name** *SeqNo:* 3110
*Short Name:* DCAArMN *Core:* Yes
*Harvest:* Yes

*Definition:* Indicate the name of the antiarrhythmic medication the patient was on when discharged from the facility.

*Harvest Coding:* 1 = Amiodarone
2 = Other

*Valid Data:* Amiodarone; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* Antiarrhythmics - Discharge

*ACCField:* Not mapped *ParentShortName:* DCAArhy

*ParentValue:* = "Yes"

---

*Field Name:* **Aspirin - Discharge** *SeqNo:* 3120

*Short Name:* DCASA *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether or not the patient was discharged from facility on Aspirin, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Not mapped *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

---

*Field Name:* **Ace or ARB Inhibitors - Discharge** *SeqNo:* 3130

*Short Name:* DCACE *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether or not the patient was discharged from facility on ACE or ARB Inhibitors, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Not mapped *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

---

*Field Name:* **Beta Blockers - Discharge** *SeqNo:* 3140

*Short Name:* DCBeta *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether or not the patient was discharged on beta blockers, or if beta blocker was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes

2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Not mapped *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

---

*Field Name:* **Lipid Lowering - Discharge** *SeqNo:* 3150

*Short Name:* DCLipid *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether or not the patient was discharged on a statin or lipid lowering medication, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Not mapped *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

---

*Field Name:* **Lipid Lowering - Discharge - Medication Type** *SeqNo:* 3160

*Short Name:* DCLipMT *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the type of Lipid Lowering medication the patient was on when discharged from the facility.

*Harvest Coding:* 1 = Statin
2 = Non statin
3 = Both

*Valid Data:* Statin; Non statin; Both

*Usual Range:*

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

*Data Source:* User *Parent Field:* Lipid Lowering - Discharge

*ACCField:* Not mapped *ParentShortName:* DCLipid

*ParentValue:* = "Yes"

---

*Field Name:* **Coumadin - Discharge** *SeqNo:* 3180

*Short Name:* DCCoum *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient was discharged from the facility on Coumadin, or if it was

contraindicated or not indicated.

*Harvest Coding:* 1 = Yes
2 = No
3 = Contraindicated / Not Indicated

*Valid Data:* Yes; No; Contraindicated / Not Indicated

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Not mapped *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

---

*Field Name:* **Discharge Location** *SeqNo:* 3190

*Short Name:* DisLoctn *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the location to where the patient was discharged.

*Harvest Coding:* 1 = Home
2 = Extended Care/Transitional Care Unit/Rehab
3 = Other Hospital
4 = Nursing Home
5 = Hospice
777 = Other

*Valid Data:* Home; Extended Care/Transitional Care Unit/Rehab; Other Hospital; Nursing Home; Hospice; Other

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Mapped - Definition and coding *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

---

*Field Name:* **Cardiac Rehabilitation Referral** *SeqNo:* 3200

*Short Name:* CardRef *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether advice was given or discussion conducted with the patient (by physician, nurse, or other personnel) regarding the importance of joining a cardiac rehabilitation program, or an appointment made.

*Harvest Coding:* 1 = Yes
2 = No
3 = Not Applicable

*Valid Data:* Yes; No; Not Applicable

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Mapped - Definition and coding *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

*Field Name:* **Smoking Cessation Counseling** *SeqNo:* 3210

*Short Name:* SmokCoun *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether, prior to discharge from the acute care facility, the patient received smoking cessation counseling. Please select "Not Applicable" for those patients with no prior history of smoking.

*Harvest Coding:*
1 = Yes
2 = No
3 = Not Applicable

*Valid Data:* Yes; No; Not Applicable

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Mapped - Definition and coding *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

## S. Readmission

*Field Name:* **Readmit <=30 Days from DOP** *SeqNo:* 3220

*Short Name:* Readm30 *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate whether the patient was readmitted as an in-patient within 30 days from the date of initial surgery for ANY reason. This includes readmissions to acute care, primary care institutions only. Do not include readmissions to rehabilitation hospital, or nursing home.

*Harvest Coding:*
1 = Yes
2 = No

*Valid Data:* Yes; No

*Usual Range:*

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

*Data Source:* User *Parent Field:* Mort-DC Status

*ACCField:* Not mapped *ParentShortName:* MtDCStat

*ParentValue:* = "Alive"

*Field Name:* **Readmit Reason** *SeqNo:* 3230

*Short Name:* ReadmRsn *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the primary reason that the patient was readmitted as an in-patient within 30 days from the date of initial surgery (select one):

Anticoagulation Complication - Valvular
Anticoagulation Complication - Pharmacological
Arrhythmia/Heart Block
Congestive Heart Failure
Myocardial Infarction and/or Recurrent Angina

Pericardial Effusion and/or Tamponade
Pneumonia or other Respiratory Complication
Coronary Artery Dysfunction
Valve Dysfunction
Infection - Deep Sternum
Infection - Conduit Harvest Site
Renal Failure
TIA
Permanent CVA
Acute Vascular Complication
Subacute Endocarditis
VAD Complication
Other - Related Readmission
Other - Nonrelated Readmission

*Harvest Coding:* 20 = Anticoagulation Complication - Valvular
21 = Anticoagulation Complication - Pharmacological
2 = Arrhythmia/Heart Block
3 = Congestive Heart Failure
5 = Myocardial Infarction and/or Recurrent Angina
6 = Pericardial Effusion and/or Tamponade
7 = Pneumonia or other Respiratory Complication
22 = Coronary Artery Dysfunction
8 = Valve Dysfunction
9 = Infection - Deep Sternum
23 = Infection - Conduit Harvest Site
14 = Renal Failure
15 = TIA
18 = Permanent CVA
19 = Acute Vascular Complication
24 = Subacute Endocarditis
25 = VAD Complication
26 = Transplant Rejection
998 = Other - Related Readmission
999 = Other - Nonrelated Readmission

*Valid Data:* Anticoagulation Complication - Valvular; Anticoagulation Complication - Pharmacological; Arrhythmia/Heart Block ; Congestive Heart Failure; Myocardial Infarction and/or Recurrent Angina ; Pericardial Effusion and/or Tamponade ; Pneumonia or other Respiratory Complication; Coronary Artery Dysfunction ; Valve Dysfunction ; Infection - Deep Sternum ; Infection - Conduit Harvest Site; Renal Failure ; TIA; Permanent CVA; Acute Vascular Complication ; Subacute Endocarditis; VAD Complication; Transplant Rejection; Other - Related Readmission; Other - Nonrelated Readmission

*Usual Range:*

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

*Data Source:* User *Parent Field:* Readmit <=30 Days from DOP

*ACCField:* Not mapped *ParentShortName:* Readm30

*ParentValue:* = "Yes"

---

*Field Name:* **Readmit Reason - Primary Procedure** *SeqNo:* 3240

*Short Name:* ReadmPro *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the primary procedure that the patient received after being readmitted as an in-patient within 30 days from the date of initial surgery (select one):

OR for Bleeding
Pacemaker insertion/AICD
PCI
Pericardiotomy/Pericardiocentesis
OR for Coronary Arteries
OR for Valve
OR for Sternal Debridement/Muscle Flap
Dialysis
OR for Vascular
No Procedure Performed
Other Procedure
Unknown

*Harvest Coding:* 10 = OR for Bleeding
20 = Pacemaker insertion/AICD
30 = PCI
40 = Pericardiotomy/Pericardiocentesis
50 = OR for Coronary Arteries
60 = OR for Valve
70 = OR for Sternal Debridement/Muscle Flap
80 = Dialysis
90 = OR for Vascular
700 = No Procedure Performed
710 = Other Procedure
720 = Unknown

*Valid Data:* OR for Bleeding; Pacemaker insertion/AICD; PCI; Pericardiotomy/Pericardiocentesis; OR for Coronary Arteries; OR for Valve; OR for Sternal Debridement/Muscle Flap; Dialysis; OR for Vascular; No Procedure Performed ; Other Procedure; Unknown

*Usual Range:*

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

*Data Source:* User *Parent Field:* Readmit <=30 Days from DOP

*ACCField:* Not mapped *ParentShortName:* Readm30

*ParentValue:* = "Yes"

## T. Risk Scores

*Field Name:* **Risk Model Coefficients Version Number** *SeqNo:* 3249

*Short Name:* PredCoefVrsn *Core:* Yes

*Harvest:* Yes

*Definition:* The version number of the set of coefficients used in the risk models to calculate the risk scores for this record. The value is inserted into the record at the time the risk calculations are performed. The version numbers will be specified by the STS.

*Harvest Coding:* "2.61.1"

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

*Usual Range:*

*Format:* Text

*Data Source:* Automatic *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

*Field Name:* **Predicted Risk of Mortality** *SeqNo:* 3250

*Short Name:* PredMort *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Mortality

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Deep Sternal Wound Infx** *SeqNo:* 3260

*Short Name:* PredDeep *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Deep Sternal Wound Infection

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Reoperation** *SeqNo:* 3270

*Short Name:* PredReop *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Reoperation

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Permanent Stroke** *SeqNo:* 3280

*Short Name:* PredStro *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Permanent Stroke

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Prolonged Ventilation** *SeqNo:* 3290

*Short Name:* PredVent *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Prolonged Ventilation

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Renal Failure** *SeqNo:* 3300

*Short Name:* PredRenF *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Renal Failure

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Morbidity or Mortality** *SeqNo:* 3310

*Short Name:* PredMM *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Morbidity or Mortality

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Short Length of Stay** *SeqNo:* 3320

*Short Name:* Pred6D *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Short Length of Stay

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **Predicted Long Length of Stay** *SeqNo:* 3330

*Short Name:* Pred14D *Core:* Yes

*Harvest:* Yes

*Definition:* Indicate the Predicted Risk of Long Length of Stay

*Harvest Coding:*

*Valid Data:* (calculated)

*Usual Range:*

*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.

*Data Source:* Calculated *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

## U. STS Custom Fields

*Field Name:* **STS Custom Numeric Field 1** *SeqNo:* 3400
*Short Name:* STSCustNum1 *Core:* Yes
*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Real

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **STS Custom Numeric Field 2** *SeqNo:* 3410
*Short Name:* STSCustNum2 *Core:* Yes
*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Real

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

---

*Field Name:* **STS Custom Numeric Field 3** *SeqNo:* 3420
*Short Name:* STSCustNum3 *Core:* Yes
*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Real

*Data Source:* User *Parent Field:*
*ACCField:* Not mapped *ParentShortName:*
*ParentValue:*

*Field Name:* **STS Custom Numeric Field 4** *SeqNo:* 3430

*Short Name:* STSCustNum4 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Real

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **STS Custom Numeric Field 5** *SeqNo:* 3440

*Short Name:* STSCustNum5 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Real

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **STS Custom Text Field 1** *SeqNo:* 3450

*Short Name:* STSCustTxt1 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text length 100

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **STS Custom Text Field 2** *SeqNo:* 3460

*Short Name:* STSCustTxt2 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text length 100

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **STS Custom Text Field 3** *SeqNo:* 3470

*Short Name:* STSCustTxt3 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text length 100

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **STS Custom Text Field 4** *SeqNo:* 3480

*Short Name:* STSCustTxt4 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text length 100

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*

---

*Field Name:* **STS Custom Text Field 5** *SeqNo:* 3490

*Short Name:* STSCustTxt5 *Core:* Yes

*Harvest:* Yes

*Definition:* This field will be used to store values defined by the STS at a future date if new data fields need to be collected before a data specification upgrade can be completed. Users should not store any data in this field except as explicitly stated by the STS.

*Harvest Coding:*

*Valid Data:*

*Usual Range:*

*Format:* Text length 100

*Data Source:* User *Parent Field:*

*ACCField:* Not mapped *ParentShortName:*

*ParentValue:*