New Data Managers Session 1

Melinda Offer, RN, MSN

Learning Objectives:

Upon completion of this session, participant will be able to:

- Identify STS Educational Resources
- Understand how to read the Data and Software Specifications

Who is the STS Data Manager

- *Self Motivated*
- *Compulsive Attention to Detail*
- *Committed to the STS Objectives*
- *Flexible*
- *Computer Skills*

Why Are You Important?

As the data manager YOU are the key to data quality and integrity

LET THE GAMES BEGIN

Data Manager Resources

- STS Website
- Webinars
- Mentorship Program
- Advances in Quality Outcomes Conference (AQO)
- Database News newsletter
- ACSD– Regional groups

STS National Database

- Adult Cardiac Surgery Database
- General Thoracic Surgery Database
- Congenital Heart Surgery Database
- Intermacs Database

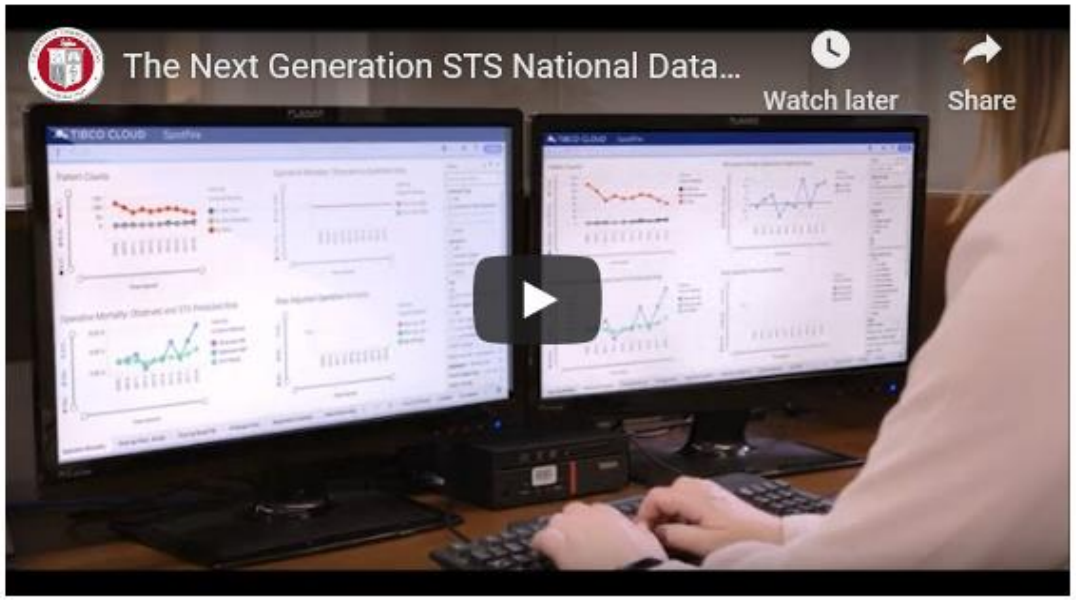
STS Public Reporting

STS/ACC TVT Registry

STS Research Center

STS National Database

Adult Cardiac | General Thoracic | Congenital Heart | Intermacs



STS National Database™

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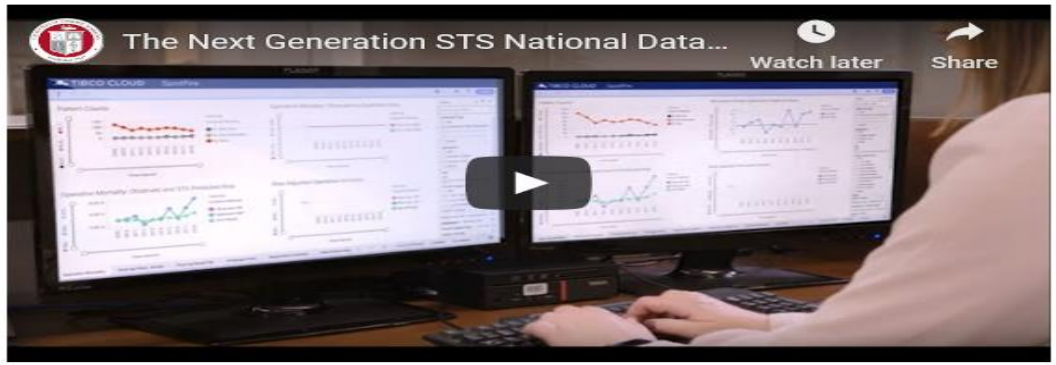

STS National Database™

Live Webinars

You are invited to participate in a series of live, monthly webinars to get an update on the exciting changes under way to the STS National Database. Registration is not required for the webinars, but you will need to sign in with your name and email address to participate.

The webinars will be recorded and available online within 48 hours from the STS National Database Webinars page.

Access FAQs | View Webinars

STS National Database

Adult Cardiac Surgery Database

General Thoracic Surgery Database

Congenital Heart Surgery Database

Intermacs Database

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STS National Database™

Important Resources

- STS IQVIA Go-Live Checklist
- Database Transition Resource
- Data Manager Education
- Harvest Schedule and Information
- Database Forms
- Merit-Based Incentive Payment System Reporting
- Database Software and Vendors
- Advances in Quality & Outcomes: A Data Managers Meeting
- STS National Database News
- Regional Database Activities
- License the STS National Database Participant Logo
- Audits
- Contact Information

Data Manager Education

- ACSD Dashboard Overview
- Data Manager Mentorship Program
- 2019 Data Manager Survey Results
- List of Mortality Status Fields
- Tips for Collecting 30-Day Follow-Up Data
- STS/IQVIA Uploader Instructions

How-To Videos

IQVIA Registry Dashboard - General Navigation Training

IQVIA Uploader and DQR Review

▼ Anatomical Diagrams

- Coronary Anatomy
- Valve Anatomy
- Valve Repairs
- Aortic Aneurysm
- Aortic Dissection

STS National Database

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STS/ACC TVT Registry

STS Research Center

STS National Database Mentorship Program

The Society has launched an STS National Database mentorship program that will pair experienced data managers with those who are seeking advice related to data abstraction. After filling out a questionnaire, potential mentors and mentees will be matched based on Database type, experience in specific areas, and other factors. STS will share contact information with mentors and mentees to facilitate an ongoing mentorship relationship.

To apply as either a mentor or mentee, please fill out the appropriate form linked below. You will be notified once you have been matched.

If you have questions about the program or any feedback on the sign-up forms, contact Emily Conrad.

Note: The opinions and advice provided through this mentorship program are those of its individual participants and do not necessarily reflect the views of The Society of Thoracic Surgeons.

Apply to be a Mentor | Apply to be a Mentee

Advances in Quality & Outcomes: A Data Manager Meeting (AQO)

- Annual educational meeting for Data Managers of the STS National Database.
- Objective to improve data abstraction and coding skills.

AQO Update

AQO is going virtual

Same dates as originally planned

- 9/30-10/2

Each database will have dedicated time for live sessions

Platform to host the meeting

- Wide variety of functions
  - Live stream talks
  - Prerecorded material
  - E-posters
  - Q&A
  - Panel Discussions
  - Chat Boards
  - Vendor engagement
  - Other details still being worked out

Database News Newsletter

- The Database News newsletter is a newsletter dedicated to the STS National Database.
- Contains information on public reporting, data submission deadlines, meetings, and audits.
- The STS newsletter is available on the STS Data Manager Education page

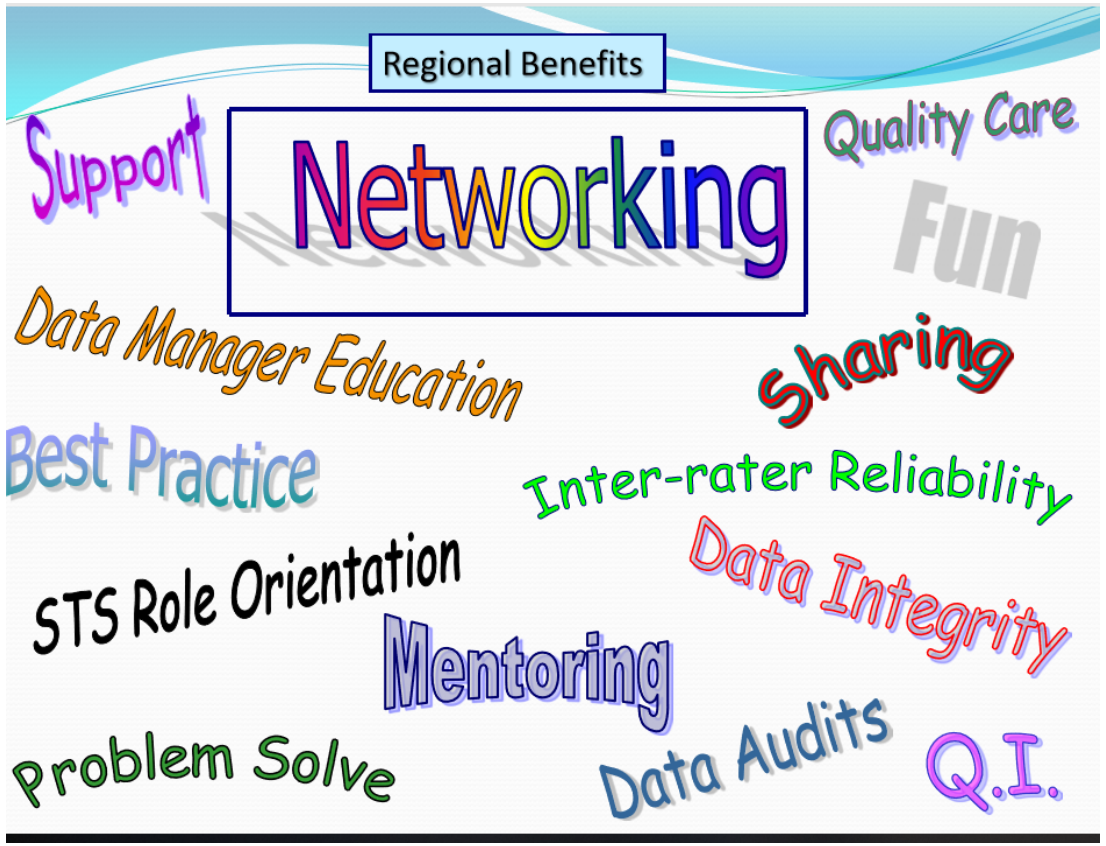
May / June 2020

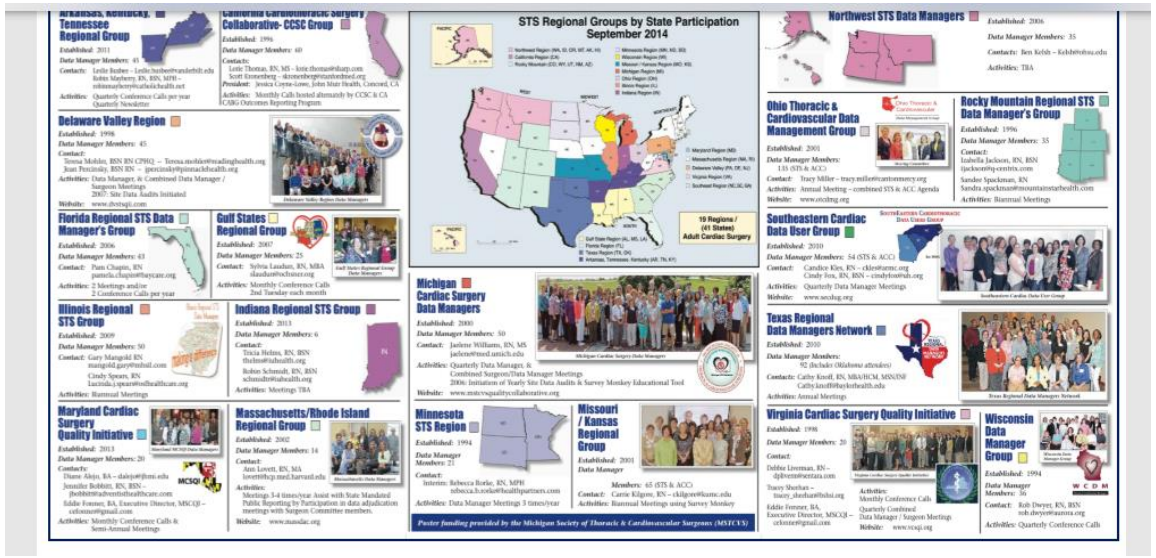
STS National Database News

ADULT CARDIAC

Do you have any colleagues who should be receiving *STS National Database News*? Fill out this form, and they will be added to the mailing list for future issues.

Launch of Webinar Series for New Data Managers





Regional Groups

STS National Database

- Adult Cardiac Surgery Database
- General Thoracic Surgery Database
- Congenital Heart Surgery Database
- Intermacs Database

STS Public Reporting

STS/ACC TVT Registry

STS Research Center

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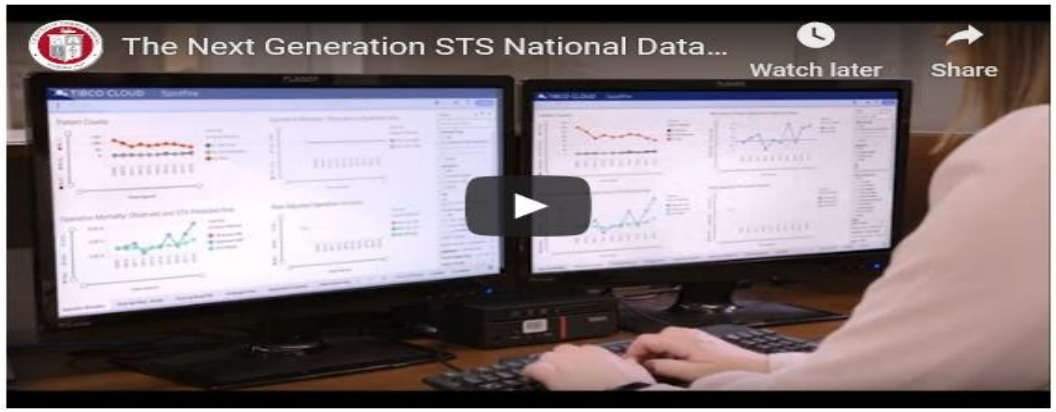

STS National Database™

Clinical Question Request Form

Are you struggling with a clinical question regarding data abstraction? Fill out the Clinical Question Request Form and get a response within 30 days.

Ask a Question

Ask a Question

Full Name *

Email *

Phone *

Participant ID #

Database Version *

- Select -

State/Province *

- Select -

Sequence #: *

Short Field Name:

IMPORTANT: FOR HIPAA COMPLIANCE PURPOSES, PLEASE NOTE THAT ANY PATIENT IDENTIFYING INFORMATION[1] SHOULD BE REDACTED FROM THIS SUBMISSION.

Question: *

STS National Database

- Adult Cardiac Surgery Database
- General Thoracic Surgery Database
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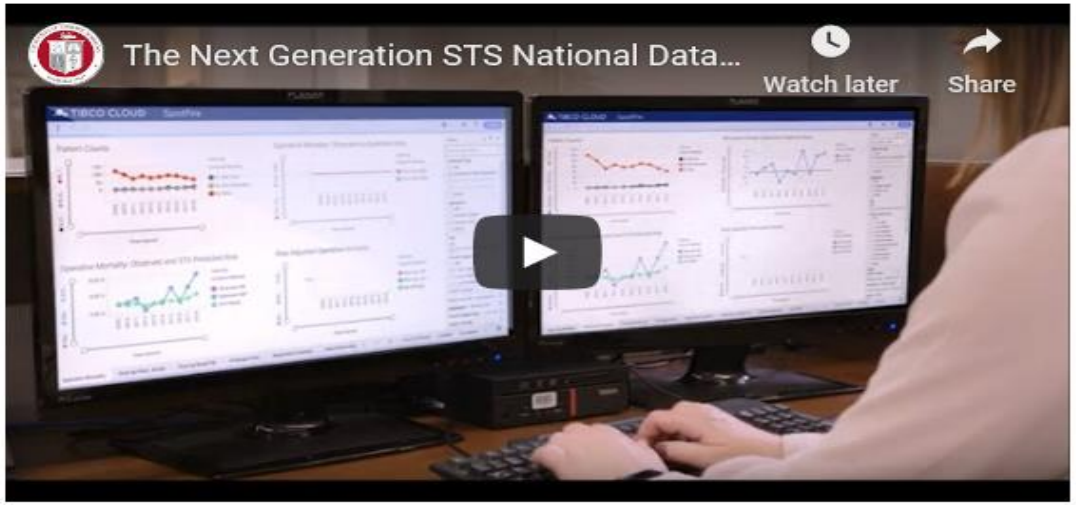
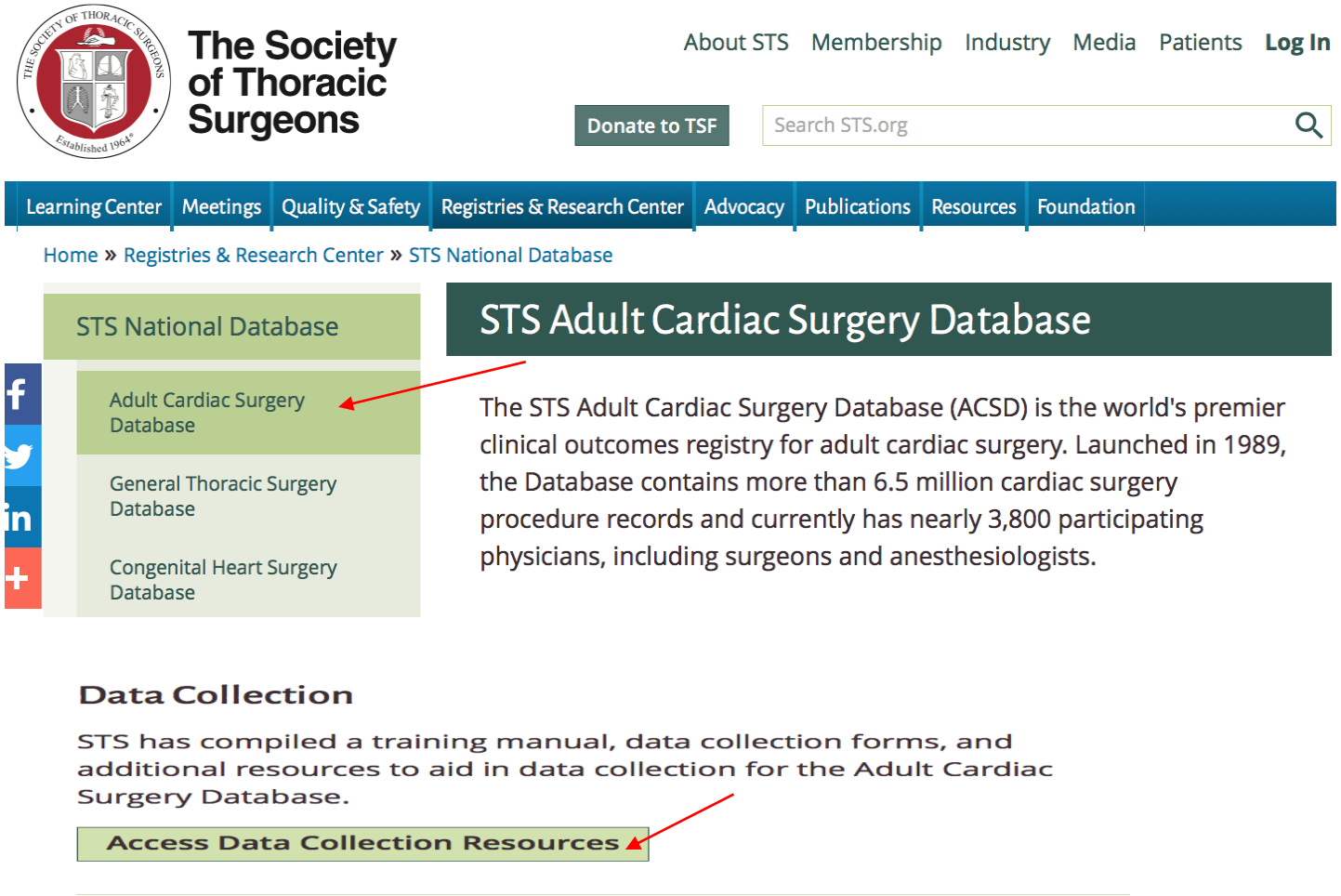


STS National Database™

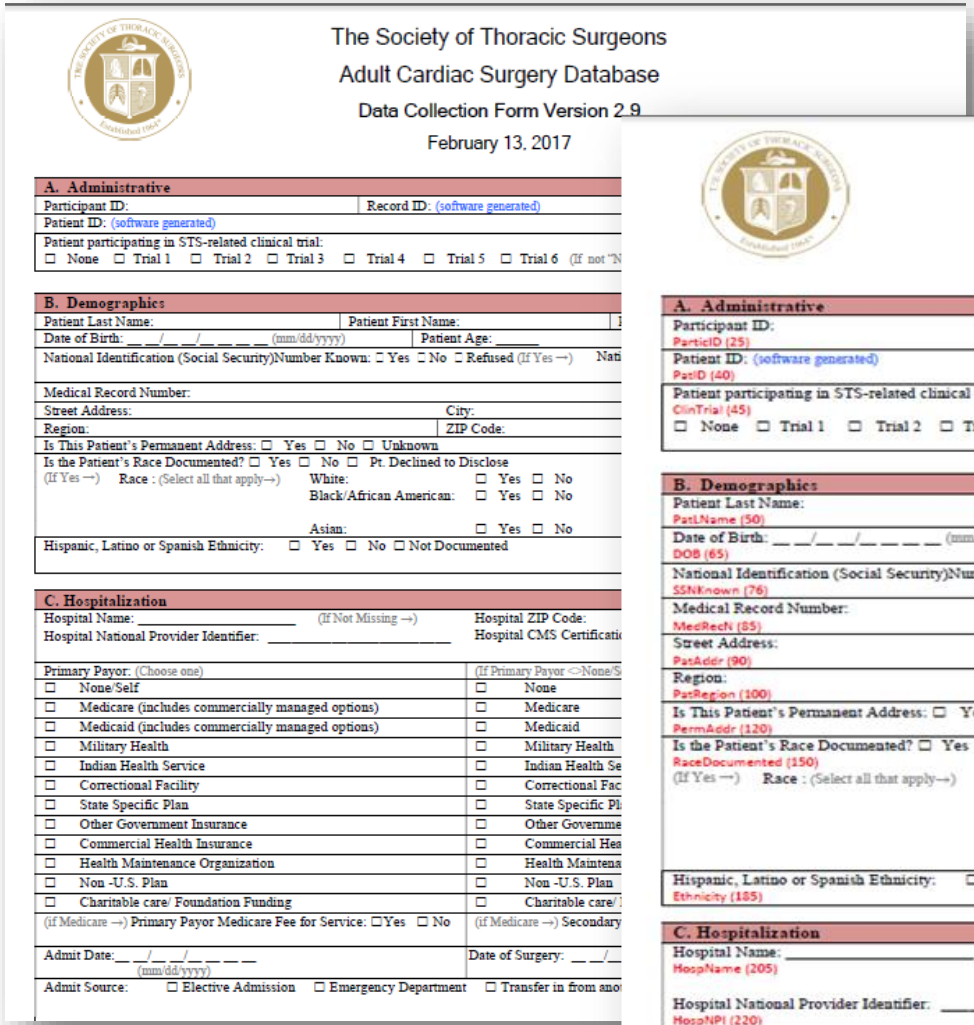
Additional Resources on STS Website

- Data Collection Forms
- Training Manual
- Ask a Clinical Question
  - FAQ Updates



Data Collection Forms (DCF's)

Non-Annotated DCF



The Society of Thoracic Surgeons
Adult Cardiac Surgery Database
Data Collection Form Version 2.9
February 13, 2017

A. Administrative

Participant ID: | Record ID: (software generated)
Patient ID: (software generated)
Patient participating in STS-related clinical trial:
☐ None ☐ Trial 1 ☐ Trial 2 ☐ Trial 3 ☐ Trial 4 ☐ Trial 5 ☐ Trial 6 (If not "N

B. Demographics

Patient Last Name: | Patient First Name:
Date of Birth: __ __/__ __/__ __ __ __ (mm/dd/yyyy) | Patient Age: _____
National Identification (Social Security)Number Known: ☐ Yes ☐ No ☐ Refused (If Yes →) Nati
Medical Record Number:
Street Address: | City:
Region: | ZIP Code:
Is This Patient's Permanent Address: ☐ Yes ☐ No ☐ Unknown
Is the Patient's Race Documented? ☐ Yes ☐ No ☐ Pt. Declined to Disclose
(If Yes →) Race : (Select all that apply→) White: ☐ Yes ☐ No
Black/African American: ☐ Yes ☐ No
Asian: ☐ Yes ☐ No
Hispanic, Latino or Spanish Ethnicity: ☐ Yes ☐ No ☐ Not Documented

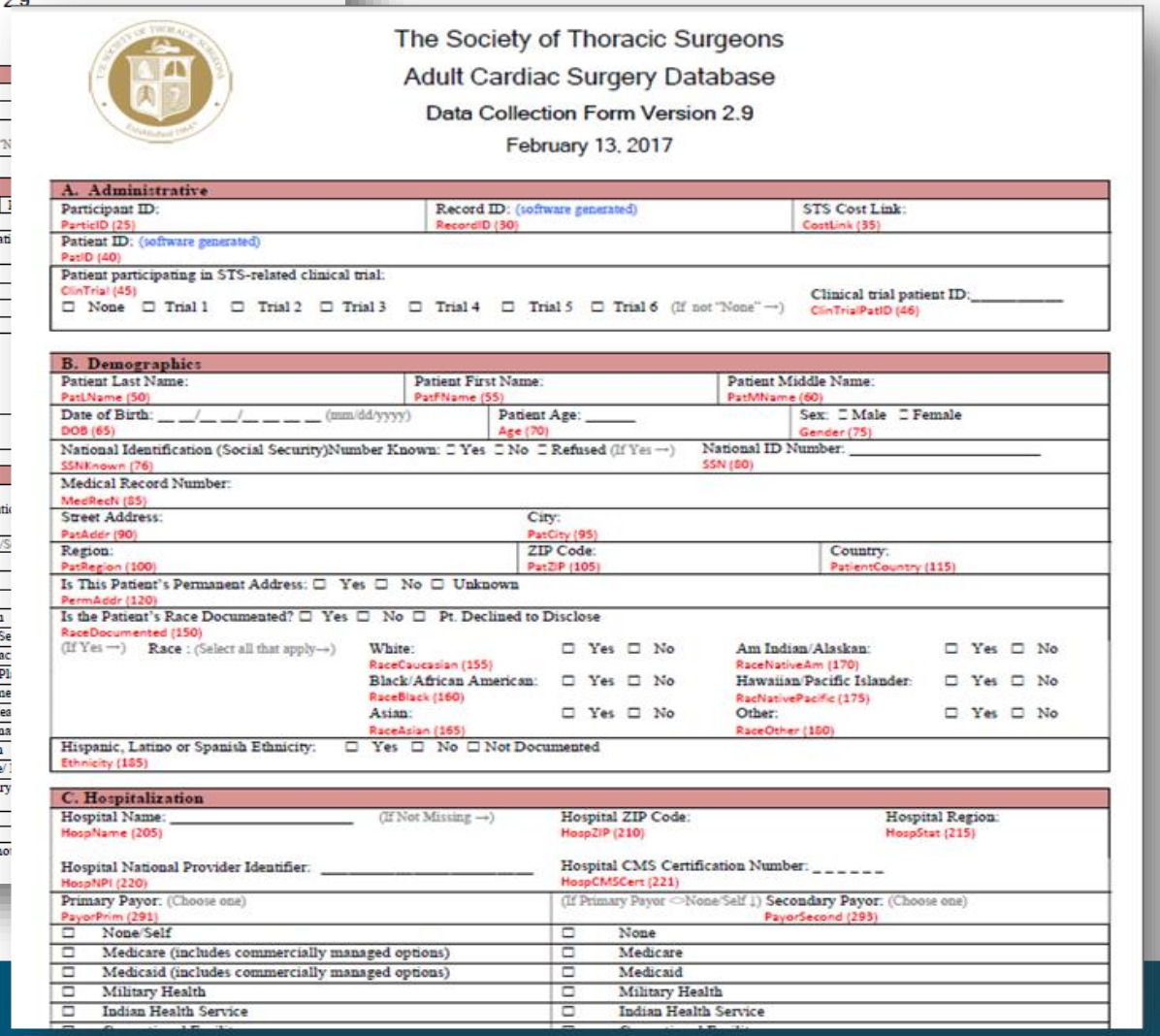
C. Hospitalization

Hospital Name: _____ (If Not Missing →) | Hospital ZIP Code:
Hospital National Provider Identifier: _____ | Hospital CMS Certificati

Primary Payor: (Choose one)	(If Primary Payor <>None/S
☐ None/Self	☐ None
☐ Medicare (includes commercially managed options)	☐ Medicare
☐ Medicaid (includes commercially managed options)	☐ Medicaid
☐ Military Health	☐ Military Health
☐ Indian Health Service	☐ Indian Health Se
☐ Correctional Facility	☐ Correctional Fac
☐ State Specific Plan	☐ State Specific Pl
☐ Other Government Insurance	☐ Other Governme
☐ Commercial Health Insurance	☐ Commercial Hea
☐ Health Maintenance Organization	☐ Health Maintena
☐ Non -U.S. Plan	☐ Non -U.S. Plan
☐ Charitable care/ Foundation Funding	☐ Charitable care/

(if Medicare →) Primary Payor Medicare Fee for Service: ☐Yes ☐ No | (if Medicare →) Secondary

Admit Date: __ __/__ __/__ __ __ __ (mm/dd/yyyy) | Date of Surgery: __ __/__
Admit Source: ☐ Elective Admission ☐ Emergency Department ☐ Transfer in from ano



The Society of Thoracic Surgeons
Adult Cardiac Surgery Database
Data Collection Form Version 2.9
February 13, 2017

A. Administrative

Participant ID: ParticID (25) | Record ID: (software generated) RecordID (30) | STS Cost Link: CostLink (35)
Patient ID: (software generated) PatID (40)
Patient participating in STS-related clinical trial: ClinTrial (45)
☐ None ☐ Trial 1 ☐ Trial 2 ☐ Trial 3 ☐ Trial 4 ☐ Trial 5 ☐ Trial 6 (If not "None" →) | Clinical trial patient ID:_____ ClinTrialPatID (46)

B. Demographics

Patient Last Name: PatLName (50) | Patient First Name: PatFName (55) | Patient Middle Name: PatMName (60)
Date of Birth: __ __/__ __/__ __ __ __ (mm/dd/yyyy) DOB (65) | Patient Age: _____ Age (70) | Sex: ☐ Male ☐ Female Gender (75)
National Identification (Social Security)Number Known: ☐ Yes ☐ No ☐ Refused (If Yes →) SSNKnown (76) | National ID Number: _____ SSN (80)
Medical Record Number: MedRecN (85)
Street Address: PatAddr (90) | City: PatCity (95)
Region: PatRegion (100) | ZIP Code: PatZIP (105) | Country: PatientCountry (115)
Is This Patient's Permanent Address: ☐ Yes ☐ No ☐ Unknown PermAddr (120)
Is the Patient's Race Documented? ☐ Yes ☐ No ☐ Pt. Declined to Disclose RaceDocumented (150)
(If Yes →) Race : (Select all that apply→)
White: RaceCaucasian (155) ☐ Yes ☐ No
Black/African American: RaceBlack (160) ☐ Yes ☐ No
Asian: RaceAsian (165) ☐ Yes ☐ No
Am Indian/Alaskan: RaceNativeAm (170) ☐ Yes ☐ No
Hawaiian/Pacific Islander: RacNativePacific (175) ☐ Yes ☐ No
Other: RaceOther (180) ☐ Yes ☐ No
Hispanic, Latino or Spanish Ethnicity: Ethnicity (185) ☐ Yes ☐ No ☐ Not Documented

C. Hospitalization

Hospital Name: _____ HospName (205) (If Not Missing →) | Hospital ZIP Code: HospZIP (210) | Hospital Region: HospStat (215)
Hospital National Provider Identifier: _____ HospNPI (220) | Hospital CMS Certification Number: _ _ _ _ _ _ HospCMSCert (221)

Primary Payor: (Choose one) PayorPrim (291)	(If Primary Payor <>None/Self ↓) Secondary Payor: (Choose one) PayorSecond (293)
☐ None/Self	☐ None
☐ Medicare (includes commercially managed options)	☐ Medicare
☐ Medicaid (includes commercially managed options)	☐ Medicaid
☐ Military Health	☐ Military Health
☐ Indian Health Service	☐ Indian Health Service

Annotated DCF

Navigating the STS Website:

Adult Cardiac Surgery Database Data Collection

The STS Adult Cardiac Surgery Database is currently operating under version 2.9. Data collection forms, training manuals, and additional resources are available to assist in data collection. (Note: Anesthesia information is included in the version 2.9 training manual and data collection forms listed below.)

▼ Version 2.9

Effective July 1, 2017

Training Manual - *Updated September, 2019*

- Training Manual
- FAQ Summary - September 2019

Data Collection Forms (DCFs) - *Updated February 13, 2017*

- Non-Annotated DCF
- Word Version Non-Annotated DCF
- Annotated DCF

To view annotation in the non-annotated Word DCF, select File – Options – Display – Show Hidden Text. If you need further assistance, please contact your IT Department or do an internet search for your specific version of Office on ways to view hidden text.

STS Training Manuals

C. Hospitalization

Hospital Name: _____ (If Not Missing →)
HospName (205)

Hospital ZIP Code:
HospZIP (210)

Hospital Region:
HospStat (215)

Hospital National Provider Identifier: _____
HospNPI (220)

Payor – (Select all that apply↓)

Government Health Insurance: PayorGov (225) ☐ Yes ☐ No (If Yes, select all that apply ↓)

- Medicare: ☐ Yes ☐ No (If Yes →) PayorGovMcare (230)
- Medicare Fee For Service: ☐ Yes ☐ No PayorGovMcareFFS (240)
- Medicaid: ☐ Yes ☐ No PayorGovMcaid (245)
- Military Health Care: ☐ Yes ☐ No PayorGovMil (250)
- State-Specific Plan: ☐ Yes ☐ No PayorGovState (255)
- Indian Health Service: ☐ Yes ☐ No PayorGovIHS (260)
- Correctional Facility: ☐ Yes ☐ No PayorGovCor (265)
- Other Gov't. Plan: ☐ Yes ☐ No PayorGovOth (270)

Commercial Health Insurance: ☐ Yes ☐ No PayorCom (275)

Health Maintenance Organization: ☐ Yes ☐ No PayorHMO (280)

Non-U.S. Insurance: ☐ Yes ☐ No PayorNonUS (285)

None / Self: ☐ Yes ☐ No PayorNS (290)

SEQ. #: 205

Long Name: Hospital Name

Short Name: HospName

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

Navigating the STS Website:

Additional Resources

- Short Names and Sequence Number Crosswalk: v2.35-v2.9
- Instructions to Sort Anesthesia Fields within 2017Q3 DQR (Word document)
- Itemized Changes from v2.81 to v2.9
- Data Specifications
- Software Specifications
- Congenital Diagnoses and Procedure List
- Procedure Identification Chart
- Risk Model Variable Chart

Data Specifications

Long Name: RF-Renal Fail-Dialysis

Short Name: Dialysis

SeqNo: 375

Core: Yes

Harvest: Yes

Section Name: Risk Factors

DBTableName Adultdata2

Definition: Indicate whether the patient is currently (prior to surgery) undergoing dialysis.

Data Source: User

Format: Text (categorical values specified by STS)

Harvest Codes:

Code:	Value:
1	Yes
2	No
3	Unknown

Data Specifications - Parent Child Relationship

Diabetes: ☐ Yes ☐ No ☐ Unknown (If Yes →) Diabetes-Control: ☐ None ☐ Diet only ☐ Oral ☐ Insulin ☐ Other SubQ ☐ Other ☐ Unknown

Diabetes (360) DiabCtrl (365)

Long Name: RF-Diabetes-Control *SeqNo:* 365

Short Name: DiabCtrl *Core:* Yes

ParentShortName: Diabetes

ParentLongName: RF-Diabetes

ParentHarvestCodes: 1

ParentValues: = "Yes"

Data Specification

Long Name:	Height (cm)	*SeqNo:*	330
Short Name:	**HeightCm**	*Core:*	Yes
Section Name:	Risk Factors	*Harvest:*	Yes
DBTableName	Adultdata1		
Definition:	Indicate the height of the patient in centimeters.		
Data Source:	User	*Format:*	Real

Low Value:	20.0	High Value:	251.0	UsualRangeLow:	122.0	UsualRangeHigh:	213.0

Software Specifications – page 4

- Important Resource to be familiar with
- Dates of Versions

Surgery date	Data Specifications
Any dates up to December 31, 1999	Data converted to 2.35 format
January 1, 2000 through December 31, 2001	2.35
January 1, 2002 through June 30, 2002	2.35 or 2.41
July 1, 2002 through December 31, 2003	2.41
January 1, 2004 through December 31, 2004	2.41 or 2.52.1
July 1, 2004 through June 31, 2007	2.52.1
July 1, 2007 through December 31, 2007	2.52.1 or 2.61
January 1, 2008 through June 30, 2011	2.61
July 1, 2011 through June 30, 2014	2.73
July 1, 2014 through June 30, 2017	2.81
July 1, 2017 through June 30, 2020	2.9
July 1, 2020 through current date	4.20.2

H. Format – The format in which the values for the field should be collected. The options for this field are:

- Date - mm/dd/yyyy: Date values only with the month specified as a 2-digit numeric value, day specified as a 2-digit numeric value, and year specified as a 4-digit numeric value.
- Time - hh:mm (24-hour clock): Time values only with the hours specified as a 2-digit numeric value (in 24-hour format), and the minutes specified as a 2-digit numeric value.
- Date/Time - mm/dd/yyyy hh:mm : Date and time values in one field with the month specified as a 2-digit numeric value, day specified as a 2-digit numeric value, and year specified as a 4-digit numeric value, followed by a single space and then the hours specified as a 2-digit numeric value (in 24-hour format), and the minutes specified as a 2-digit numeric value.
- Integer: Numeric values with no decimal points.
- Real: Numeric values with at least one decimal point.
- Text: Value can contain any alphanumeric characters.
- Text (categorical values specified by STS): Values displayed to the user are the text descriptions defined in the data specifications table. The values submitted to the Data Warehouse are the Harvest Codes defined in the data specifications.
- Text (categorical values specified by user): Values displayed to the user and submitted to the Data Warehouse come from a list maintained by the user (see item "e" under the "3. Data Entry" section of the "Software Specification" below).

I. DataSource – This field defines how the data is entered into the field. The options for this field are as follows (note, in some cases, there is more than one option for data source, such as "User or Calculated"):

- User – The user enters the value, otherwise it is left missing (null).
- Automatic – The software automatically inserts a value for every record. This is usually assigned to administrative fields that must contain a value, such as the DataVrsn field.

Software Specifications – page 6

Describes how to read Data Specs

Data Specification

Long Name:	Height (cm)	*SeqNo:*	330
Short Name:	**HeightCm**	*Core:*	Yes
Section Name:	Risk Factors	*Harvest:*	Yes
DBTableName	Adultdata1		
Definition:	Indicate the height of the patient in centimeters.		
Data Source:	User	*Format:*	Real

Low Value:	20.0	High Value:	251.0	UsualRangeLow:	122.0	UsualRangeHigh:	213.0

Software Specs – page 11

- Record ID - unique numeric value that identifies the record in the database.
- Generated Software site by the STS. The codes will be in a format similar to "V01".
- For example - V01000001

b. Record identification number (RecordID): The RecordID field contains a unique numeric value that identifies the record in the database. This is an arbitrary number and must not be a value that could identify the patient, such as Social Security Number, Medical Record Number, etc. Once attached to a specific record, the value can never be changed, nor can it be reused if the record is deleted. The data warehouse uses the RecordID field to communicate record-specific data quality issues to the participants. Because of this, users must be able to select cases from their database for review using this field and the field must be labeled "RecordID" on the data entry screen. See also the special considerations necessary for this field when importing data from another database in the "Data Import" section, below.

Beginning with version 2.73 of the data specifications, the values generated by the software for the RecordID field must be a combination of a vendor specific code followed by an alphanumeric value that makes the identifier unique. The vendor-specific code will consist of three characters and will be assigned to eac vendor and Participant Generated Software site by the STS. The codes will be a format similar to "V01". For example, the software will generate a RecordID value of V01000001 for the first record and V01000002 for the second record. The purpose of this feature is to allow sites to move their data from one version of a software package to another, or from one vendor package to another, and maintain the referential integrity of their data records.

Together, the ParticID and the RecordID will affect a composite key, which is unique to each record throughout the national STS database.

Software Specs – page 14

- Points out what data can be imported into Vendor Data Form
- ADT Tool
- Reason we can't import more data is because of the importance of the data managers eyes on the data, the limitations of informatics on writing the correct code, especially when there are changes in definitions and between EMR versions and vendors

4. Importing data from other data sources

Although the data many participants are entering into their STS certified software may be gathered from another electronic data system at their site (such as an EMR), it is strictly against STS policy for vendors to provide the users with the means to import this data automatically. It is not practical for the STS to certify the mapping of data from each site's EMR to the STS data specifications, which would be required to ensure the integrity of the overall STS database.

There are only two exceptions to this policy:

- Unique Device Identification (UDI) numbers can be imported from devices such as barcode readers. This applies to the following fields:
  - Valve Explant Unique Device Identifier (UDI) [ValExpUDI]
  - Second Valve Explant Device Unique Device Identifier (UDI) [ValExpDevUDI]
  - VS-Aortic Proc-Imp - Unique Device Identifier (UDI) [VSAoImUDI]
  - VS-Mitral Proc-Imp-Unique Device Identifier (UDI) [VSMiImUDI]
  - VS-Tricuspid Proc-Imp-Unique Device Identifier (UDI) [VSTrImUDI]
  - Previous VAD Unique Device Identifier (UDI) [PrevVADUDI]
  - VAD-Implant Unique Device Identifier (UDI) [VImpUDI]
  - VAD-Implant Unique Device Identifier (UDI) #2 [VImpUDI2]
  - VAD-Implant Unique Device Identifier (UDI) #3 [VImpUDI3]
  - Other Card-Atrial Appendage Ligation/Exclusion UDI [OCarAAUDI]
- The following demographic data fields can be imported from an Admission/Discharge/Transfer (ADT) system:

LongName	ShortName
Patient Last Name	PatLName
Patient First Name	PatFName
Patient Middle Name	PatMName
Date of Birth	DOB
Patient Age	Age

Software Specs – page 16

- Parent Child Relationships

5. Field dependencies

Field dependencies exist where one field (the "parent" field) controls whether or not one or more other fields (the "child" fields) can contain data. Child fields are indicated in the specifications by having their immediate parent field named in the "Parent Field" section of their specification. For example, "Cerebrovascular Disease" is a parent field to its child "Prior CVA". The following guidelines must be followed to handle dependent fields:

a. If the data value of a parent field indicates that no data should be in its dependent fields, then those dependent fields should be unavailable on the data entry screen. In the example above, only if "Cerebrovascular Disease"= "Yes" should "Prior CVA" be available for data entry.

b. If a parent field indicates that no data should be in its dependent field, vendors must set all child fields to Null. **Note that in prior versions of the Software Specifications, vendors had the option of setting child field values to "No" provided those fields were set to Null during data extract. This has caused parent/child issues to appear in site data, so this practice is no longer acceptable.**

c. If a parent field is originally set to "Yes", then values can be entered into its child fields. If the record is subsequently edited by the user and the parent value is changed to "No", **the values in the child fields must be automatically changed to Null.**

d. Reporting on missing data values needs to be handled differently in dependent (child) fields, since its meaning depends upon the data value of the parent field. See "Data quality and completeness checks" below for a full description of how this should be handled.

Software Specs – page 26

- Meld Score Calculation – system calculation must have INR, Total Bili, and Creatinine to calculate

Appendix A: Calculation of MELD scores:

Starting with version 2.73, software must be able to calculate the MELD score for each patient. The results from this calculation are entered by the software into the field RF-MELD Score (MELDScr). The value of this score is calculated using the values entered by the user into the three fields "RF-Total Bilirubin" (TotBlrbn), "RF-INR" (INR), and "RF-Last Creat Level" (CreatLst). The patient's dialysis status (RF-Renal Fail-Dialysis) is also considered in the calculation.

The calculation can be made by creating a "factor" for each of the three variables involved in the score. The value of the variable is used to determine the value of the factor. The factors are then used in a formula to determine the MELD score. The algorithm for determining the value of each factor is as follows:

If RF-Total Bilirubin is >0 and <=1 then bilirubin_factor = 1
otherwise, if RF-Total Bilirubin is >1, then bilirubin_factor = the specified RF-Total Bilirubin value.

If RF-INR is >0 and <=1 then inr_factor = 1
otherwise, if RF-INR is > 1, then inr_factor = the specified RF-INR value.

if RF-Renal Fail-Dialysis=Yes, then creatinine_factor = 4
otherwise, if RF-Last Creat Level is >0 and <=1 then creatinine_factor = 1
otherwise, if RF-Last Creat Level is >1 and <=4, then creatinine_factor = the RF-Last Creat Level value
otherwise, if RF-Last Creat Level is >4, then creatinine_factor = 4

After determining the three factors, the calculation is done using the formula:

MELDScr = (3.8 x Ln([bilirubin_factor])) + (11.2 x Ln([inr_factor])) + (9.6 x Ln([creatinine_factor])) + 6.4

Note that "Ln" refers to the mathematical "natural log" function.

No score should be calculated if any of the following conditions are true:
- RF-Total Bilirubin is missing

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Appendix C: Calculation of Total Postoperative Initial Ventilation Hours

Starting with v4.20.2, software must be able to calculate the Total Postoperative Initial Ventilation Hours. The results of this calculation are entered by the software into the field "Total Postoperative Initial Ventilation Hour" (TotalPOInitVentHr). The value of this field is calculated by finding the number of **hours between "OR Exit Date and Time" (ORExitDT) and "Initial Extubation Date And Time" (ExtubateDT).** ~~Value should be stored in decimal format with at least two decimal places. This value is zero for patients extubated in OR or not intubated for procedure (ExtubOR = Yes or N/A (not intubated)).~~

- If either ORExitDT or ExtubateDT are missing, TotalPOInitVentHr is left missing.
- The difference between ORExitDT and ExtubateDT must not be rounded.
- If ExtubOR="Yes" or "N/A", TotalPOInitVentHr must be set to zero.
- Final calculation should include at least two decimal places.

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Appendix F: Field ShortName and SeqNo by DataVrsn.

The following table lists all fields that have been collected in the STS Adult CV Database since 1999. The sequence number (SeqNo) of each field for a given version of the specifications is specified under the version number. If no sequence number is specified, the field was not a Core field for that version of the specifications.

ShortName	2.35	2.41	2.52.1	2.61	2.73	2.81	2.9	4.20.2
AbxDisc				1347	2730	2290	2290	2290
AbxSelect				1345	2710	2280	2280	2280
AbxTiming				1346	2720	2285	2285	2285
AddIntraopPAnti						2295	2295	
ADevDelMeth01							5455	5455
ADevDelMeth02							5480	5480
ADevDelMeth03							5505	5505
ADevDelMeth04							5530	5530
ADevDelMeth05							5555	5555
ADevDelMeth06							5580	5580
ADevDelMeth07							5605	5605
ADevDelMeth08							5630	5630
ADevDelMeth09							5655	5655
ADevDelMeth10							5680	5680
ADevDelMeth11							5705	5705
ADevDelMeth12							5730	5730
ADevDelMeth13							5755	5755

Appendix F: Field Short Name and Seq Number by Data Version

Additional Resources

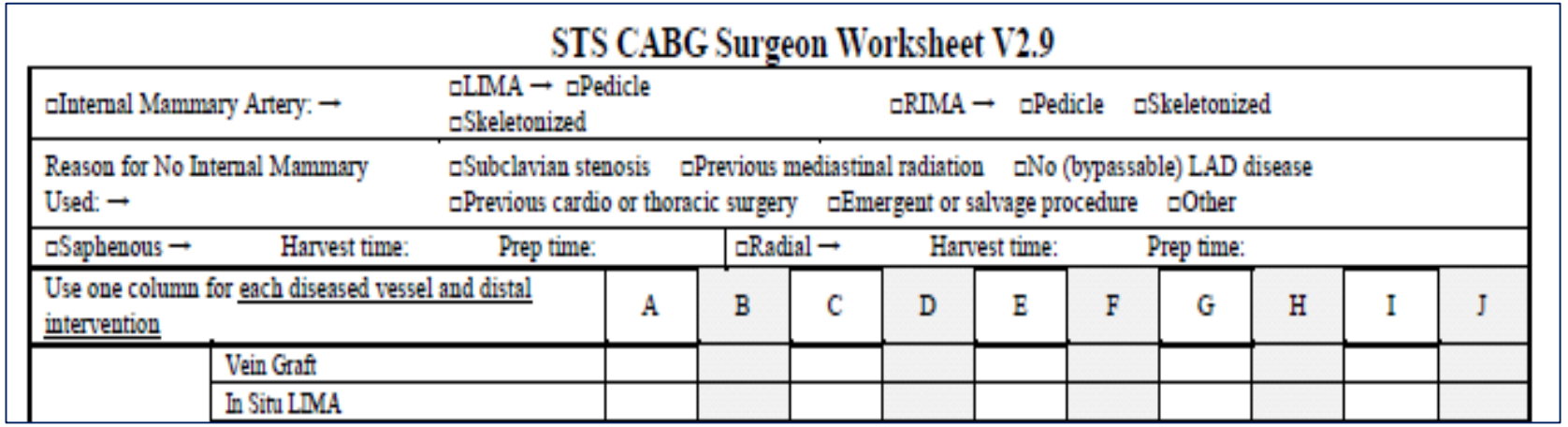
- Surgeon Worksheets
  - *Word versions of documents are available so sites can manipulate them to their needs. (surgeon worksheets and DCFs)*
- Congenital Diagnoses and Procedure List
- Procedure ID
- Risk Model Variable Chart

- Things no longer available:
  - Medications, Valve/VAD lists

Additional Resources – Surgeon Worksheets

Surgeon Worksheets

- Procedures of the Aorta [Word Version] *(Revised August 8, 2017)*
- Aortic Valve [Word Version]
- Coronary Artery Bypass [Word Version] *(Revised June 21, 2017)*
- Intraoperative TEE Post-Procedures [Word Version]
- Mitral Valve [Word Version]
- Tricuspid and Pulmonic Valve [Word Version]
- Atrial Fibrillation/Maze Procedures [Word Version]



STS CABG Surgeon Worksheet V2.9

☐Internal Mammary Artery: →	☐LIMA → ☐Pedicle ☐Skeletonized				☐RIMA → ☐Pedicle ☐Skeletonized						
Reason for No Internal Mammary Used: →	☐Subclavian stenosis ☐Previous mediastinal radiation ☐No (bypassable) LAD disease ☐Previous cardio or thoracic surgery ☐Emergent or salvage procedure ☐Other										
☐Saphenous → Harvest time: Prep time:					☐Radial → Harvest time: Prep time:						
Use one column for each diseased vessel and distal intervention		A	B	C	D	E	F	G	H	I	J
	Vein Graft										
	In Situ LIMA										

Additional Resources - Congenital Diagnoses and Procedure List

Congenital Diagnosis By Category			
	ASD	☐ 10=PFO	☐
		☐ 20= ASD, Secundum	☐
		☐ 30= ASD, Sinus venosus	☐
		☐ 40= ASD, Coronary sinus	☐
		☐ 50= ASD, Common atrium (single atrium)	☐
		☐ 2150= ASD, Postoperative interatrial communication	NA

Congenital Procedures By Category		
	ASD	☐ 10= PFO, Primary closure
		☐ 20= ASD repair, Primary closure
		☐ 30= ASD repair, Patch
		☐ 40= ASD repair, Device
		☐ 2110= ASD repair, Patch + PAPVC repair
		☐ 50= ASD, Common atrium (single atrium), Septation
		☐ 60= ASD creation/enlargement
		☐ 70= ASD partial closure
		☐ 80= Atrial septal fenestration
		☐ 85= Atrial fenestration closure

Open Discussion

Please use the Q&A Function.

We will answer as many questions as possible.

We encourage your feedback and want to hear from you!

Thank You

Session II to be held June 11 @ 2pmCT

Resources

- STS National Database Webpage
- STSTechSupport@IQVIA.com (Uploader, DQR, Missing Variable, Dashboard, Password and Login)
- Phone Support: 1-833-256-7187
- STS National Database Feedback Form
- Resource Documents
  - Contact Information
  - Webinar Information
  - FAQ Document
  - Go-Live Checklist
  - Tiered-level Support Document
  - *Training Videos*
  - *Link to IQVIA*
  - ckrohn@sts.org

Contact Information

- Carole Krohn, Sr. Clinical Manager, STS National Database
  - CKrohn@sts.org
  - 312-202-5847
- Database Operational Questions
  - STSDB@sts.org