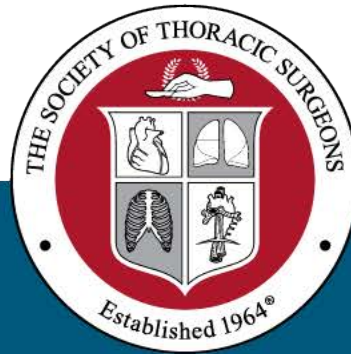


# Society of Thoracic Surgeons

General Thoracic Surgery Database  
New Data Manager Webinar

July 30, 2020



**STS National Database™**  
Trusted. Transformed. Real-Time.



# Agenda

- Welcome and Introductions
- Introduction to STS and the Databases
- Identify STS Educational Resources
- Intro to Data and Software Specs
- How to read the Data Collection Form (DCF)
- What cases get submitted
- What variables are required for case inclusion into analysis
- Intro to the Training Manual
- Keys to abstracting data
- Building a relationship with your surgeon
- Submitting a clinical question
- Ensuring Clean Data
- Data Submission Deadlines
- Additional STS Resources







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# Introduction to STS and the Databases

- Society founded in 1964

*“To enhance the ability of cardiothoracic surgeons to provide the highest quality care through education, research, and advocacy”*

- Today has more than 7500 members in 99 countries
- More than 65 employees in Chicago and D.C.
- The first database was started in 1989
  - Response to HHS/HCFA (now CMS)
  - Malpractice lawsuits related to a misperception of the risk associated with surgery
  - JCAHO’s requirement of all health systems to have a QA program used for surgeon recredentialing
  - Threats to reimbursement



# Introduction to STS and the Databases

- Accomplishments of the databases
  - Improved Patient Outcomes/Patient Safety
  - Developed Clinical Practice Guidelines
    - Blood Conservation
    - Antibiotic Usage
  - Voluntary Public Reporting
    - Sites who publicly report have better outcomes



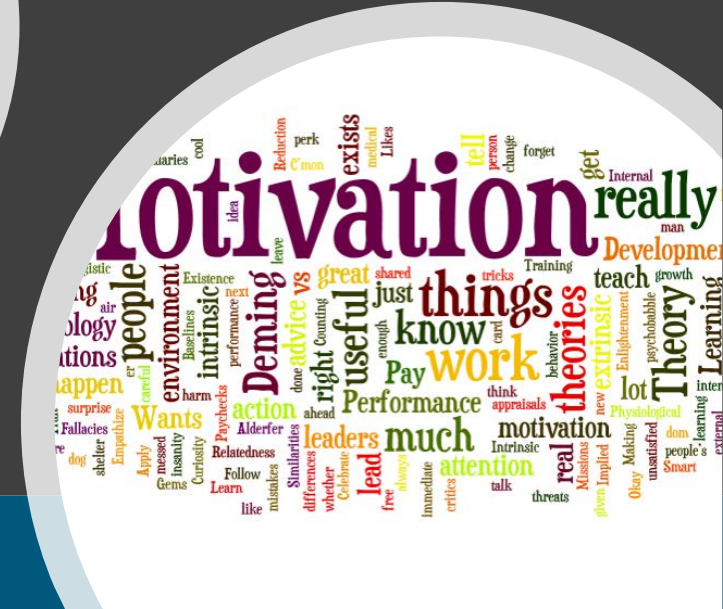
# Introduction to STS and the Databases

- General Thoracic Surgery Database (GTSD) started in 2002
- Today has more than 860 surgeons at 274 national and international sites
- Contains more than 600,000 records for more than 527,000 patients





- 



# The Data Abtractor/Data Manager Role

- Your Role
  - Abstract Data
  - Submit Data
  - Clean Data
  - Quality Improvement Projects
  - Charting
  - Best Practices
  - Improve Workflow on Units
  - Improve Team Work
  - Quality Assurance Meetings with Surgeons and Supporting Departments
  - Administration Reporting on Star Ratings





# Data and Software Specifications

- The database is updated every 3 years
- The data and software specifications are key tools in this process
- It is important to understand how to read them
  - Definitions
  - Allowable values
  - Field type
  - Parent/Child Relationships
  - Specify vendor requirements

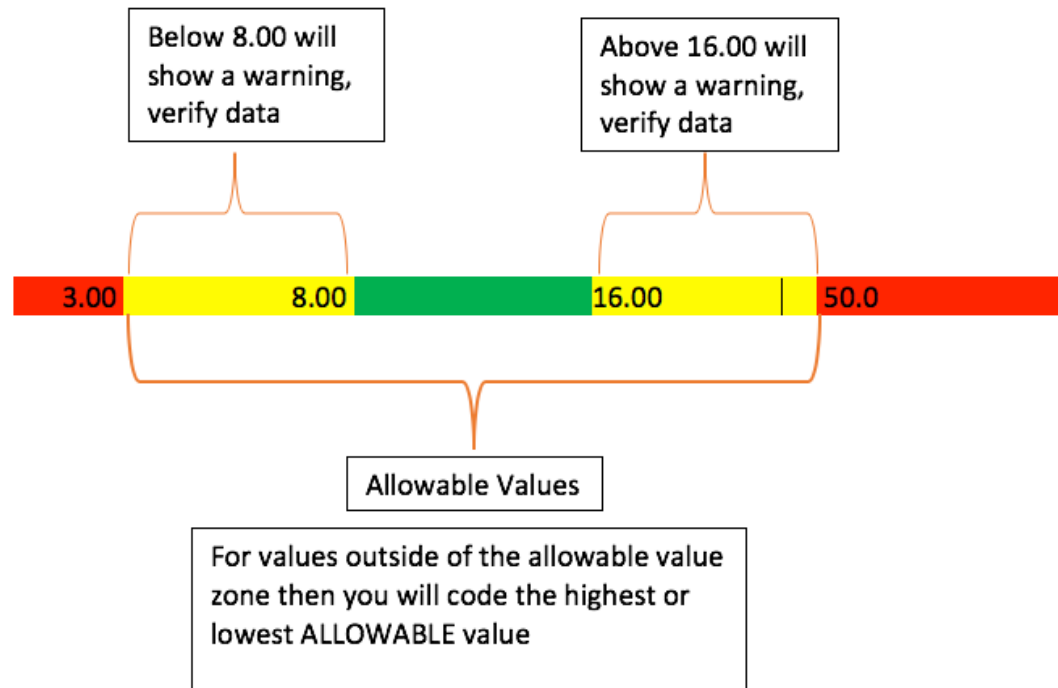
<u>Code:</u>	<u>Value:</u>		
1	Yes		
2	No		
3	Patient declined to disclose		

---

<i>Long Name:</i>	Race - White or Caucasian	<i>SeqNo:</i>	210
<i>Short Name:</i>	<b>RaceCaucasian</b>	<i>Core:</i>	Yes
<i>Section Name:</i>	Demographics	<i>Harvest:</i>	Yes
<i>DBTableName</i>	Demographics		
<i>Definition:</i>	Indicate whether the patient's race, as determined by the patient or family, includes Caucasian. 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. ( <a href="http://www.whitehouse.gov/omb/fcdreg/1997standards.html">www.whitehouse.gov/omb/fcdreg/1997standards.html</a> )		

- F. Core – This field contains a value of Yes or No to define whether or not the field should be available to the users for data entry. These values have the following meanings:
- Yes = Field must be available to the users for entering data for records following this version of the data specifications and the field must be included in the data files exported for submission to the STS database that contain records following this data version.
  - No = Field is not required to be available to the users for entering data for records following this version of the data specifications. Whether or not the field is included in data files exported for submission to the STS database depends on the Harvest value described below and on what other data versions are being included in the data extract. (See the "Data Export for Harvest to the Data Warehouse" section of the Software Specifications below.)
- G. Harvest – This field contains a value of Yes, No or Optional to define whether or not the data for this field is included in the export file to be submitted to the data warehouse. (See the "Data Export for Harvest to the Data Warehouse" section of the Software Specifications below for more details about the contents of the submitted files.) The values for this field have the following meanings:
- Yes – Data from this field must be included in the data file for all records following this version of the data specifications.
  - No – Data from this field must not be included in the data file for all records following this version of the data specifications.

# Allowable Values



*Long Name:* Last Hemoglobin Level  
*Short Name:* **HemoglobinLst**  
*Section Name:* Pre-Operative Evaluation  
*DBTableName:* Operations  
*Definition:* Indicate the hemoglobin level closest management (induction area or operation)  
*LowValue:* 3.00      *UsualRangeLow:* 8.00  
*HighValue:* 50.00      *UsualRangeHigh:* 16.00  
*Parent Long Name:* Hemoglobin Level Measured  
*ParentShortName:* HemoglobinMeasured  
*ParentValue:* = "Yes"  
*ParentHarvestCodes:* 1

# Reading the Data Collection Form (DCF)

©2018 The Society of Thoracic Surgeons

Revised 5/5/2020

Form (DCF) is required for all suspected or diagnosed Lung and

One should be initiated every time the patient enters the operating room. These  
ed in the Data Analysis Reports.

blue are required for [analyzed procedure](#) record inclusion. If any of these fields are  
be excluded from analysis.

estinal Mass, Tracheal Resection and Hiatal Hernia/GERD sections is optional for

performed as isolated procedures or with only other [highlighted](#) procedures, are not  
Participant chooses to track them. If collected, use the Non-analyzed Procedure DCF.

in conjunction with major procedures should be included on this Analyzed Procedure DCF.

PatID (80)		Medical Record #: _____ MedRecN (90)	
Middle Name: _____ PatMName (110)		Last Name: _____ PatLName (120)	
		SSN#: _____ SSN (130)	
related clinical trial: ClinTrial (140) Trial 2 <input type="checkbox"/> Trial 3 <input type="checkbox"/> Trial 4 <input type="checkbox"/> Trial 5 <input type="checkbox"/> Trial 6 <input type="checkbox"/> clinical trial patient ID: _____ ClinTrialPatID (150)			
Age: _____ Age (170)		Patient Postal Code: _____ PostalCode (180)	
		Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female Gender (190)	
Documented? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Patient Declined to Disclose RaceDocumented (200)			
all that apply			
White/Caucasian <input type="checkbox"/> Yes <input type="checkbox"/> No RaceCaucasian (210)		Black/African American <input type="checkbox"/> Yes <input type="checkbox"/> No RaceBlack (220)	
Asian <input type="checkbox"/> Yes <input type="checkbox"/> No RaceAsian (230)		American Indian/Alaskan Native <input type="checkbox"/> Yes <input type="checkbox"/> No RaceNativeAm (240)	
Native Hawaiian/Pacific Islander <input type="checkbox"/> Yes <input type="checkbox"/> No RacNativePacific (250)		Other <input type="checkbox"/> Yes <input type="checkbox"/> No RaceOther (260)	
Latino Ethnicity: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Documented Ethnicity (270)			
mission			
Admission Status: <input type="checkbox"/> Inpatient <input type="checkbox"/> Outpatient / Observation AdmissionStat (280)		If Inpatient → Admission Date: ____/____/____ AdmitDt (290)	
Payor: Indicate the Primary payor: PayorPrim (300)		If Primary Payor is not None/Self → Indicate the Secondary (supplemental) payor: PayorSecond (320)	
None/self <input type="checkbox"/> Medicare		<input type="checkbox"/> None/self <input type="checkbox"/> Medicare	
If Medicare → Fee For Service: <input type="checkbox"/> Yes <input type="checkbox"/> No PrimMCareFFS (310)		If Medicare → Fee For Service: <input type="checkbox"/> Yes <input type="checkbox"/> No SecondMCareFFS (330)	



- An Analyzed Procedure Data Collection Form (DCF) is **required for all** [REDACTED] **diagnosed Lung and Esophageal Cancer Resections** and one should be initiated every time the patient enters the operating room. These cases are risk adjusted and are included in the Data Analysis Reports.
- Fields that appear underlined and in blue are required for analyzed procedure record inclusion. If any of these fields are missing data, the entire record will be excluded from analysis.
- Completion of the **Thymus/Mediastinal Mass, Tracheal Resection and Hiatal Hernia/GERD** sections is **optional** for analyzed procedures.
- Procedures highlighted below, if performed as isolated procedures or with only other highlighted procedures, are not collected unless the Surgeon Participant chooses to track them. If collected, use the Non-analyzed Procedure DCF.
- Highlighted procedures done in conjunction with major procedures should be included on this Analyzed Procedure DCF.

- Analyzed (Required)
  - Confirmed Lung Cancer Resections
  - Confirmed Esophageal Cancer Resections
  - Risk Adjusted
  - Not all analyzed cases are risk adjusted
    - Lung and Esophageal Cases are Risk Adjusted
    - Other Analyzed Cases are not Risk Adjusted (i.e. Hiatal Hernia, Thymectomy, Mediastinal Mass)
- Non-Analyzed Procedures (Not Required)
  - Other Lung or Esophagus Cases
  - Optional Procedures
    - Thymus/Mediastinal Mass/Myasthenia Gravis
    - Tracheal Resection
    - Hiatal Hernia/GERD
- Concomitant Procedures
  - If a procedure considered 'non-analyzed' or 'optional' is done in at the same time as an 'analyzed' procedure, then it needs to be included on the same DCF

# Submitting Cases



# Submitting Cases

## Primary/Analyzed Procedure

Analyzed Procedures	
Lung Cancer Resection	
surgical; with lobectomy (32663)	<input type="checkbox"/> Removal of lung, single lobe (lobectomy) (32480)
with therapeutic wedge resection (eg mass or atelectasis) (32666)	<input type="checkbox"/> Removal of lung, two lobes (bilobectomy) (32482)
with therapeutic wedge resection (eg mass or atelectasis) (32667) List separately in addition to primary procedure code	<input type="checkbox"/> Removal of lung, single segment (segmentectomy) (32483)
with diagnostic wedge resection followed by therapeutic wedge resection (32668), List separately in addition to primary procedure code	<input type="checkbox"/> Removal of lung, sleeve lobectomy (32486)
with removal of a single lung segment (32669)	<input type="checkbox"/> Removal of lung, completion pneumonectomy (32487)
with removal of two lobes (bilobectomy) (32670)	<input type="checkbox"/> Resection and repair of portion of bronchus (bronchoplastic resection) performed at time of lobectomy or segmentectomy (32488)
with removal of lung, pneumonectomy (32671)	<input type="checkbox"/> Resection of apical lung tumor (e.g., Pancoast tumor) with chest wall resection, without chest wall reconstruction (32489)
with therapeutic wedge resection (eg mass nodule) (32672)	<input type="checkbox"/> Resection of apical lung tumor (e.g., Pancoast tumor) with chest wall resection, with chest wall reconstruction (32490)
with total pneumonectomy; (32440)	<input type="checkbox"/> Thoracotomy with therapeutic wedge resection (eg mass nodule) with each additional resection, ipsilateral (+32506) List separately in addition to primary procedure code
with sleeve (carinal) pneumonectomy (32442)	<input type="checkbox"/> Thoracotomy with diagnostic wedge resection followed by therapeutic wedge resection (+32507), List separately in addition to primary procedure code
with mediastinal and regional lymphadenectomy (32443) List separately in addition to primary procedure code	<input type="checkbox"/> Thoracic lymphadenectomy, regional, including mediastinal and peritracheal nodes (38746)

## Concomitant/Non-Analyzed Procedure

Bronchoscopy	
through established tracheostomy incision (31621)	<input type="checkbox"/> Bronchoscopy, with transbronchial lung biopsy (31632)
with endobronchial ultrasound (EBUS) during bronchoscopy diagnostic procedure (31620)	<input type="checkbox"/> Bronchoscopy, with transbronchial needle aspiration (31633)
diagnostic, with or without cell washing (31622)	<input type="checkbox"/> Bronchoscopy, with removal of foreign body (31634)
with brushing or protected brushings (31623)	<input type="checkbox"/> Bronchoscopy, with placement of bronchial stent (31635)
with bronchial alveolar lavage (BAL) (31624)	<input type="checkbox"/> Bronchoscopy, each additional major bronchus (31636)
with bronchial or endobronchial biopsy(s), single or multiple (31625)	<input type="checkbox"/> Bronchoscopy, with revision of tracheal or bronchial stent at previous session (31638)
with placement of fiducial markers (31626)	<input type="checkbox"/> Bronchoscopy, with excision of tumor (31639)
with transbronchial lung biopsy(s), single lobe (31627)	<input type="checkbox"/> Bronchoscopy, with destruction of tumor (31640)
with transbronchial needle aspiration biopsy(s) (31628)	<input type="checkbox"/> Bronchoscopy, with placement of catheter (31641)
with tracheal/bronchial dilation or closed reduction (31629)	<input type="checkbox"/> Bronchoscopy, with therapeutic aspiration (31642)
with placement of tracheal stent(s) (includes removal and replacement as required) (31631)	<input type="checkbox"/> Bronchoscopy, with therapeutic aspiration (31643)

<a href="#">Surgical Procedure for Lung Cancer</a> (1580)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	if yes, complete Section F
<a href="#">Surgical Procedure for Esophageal Cancer</a> (1590)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	if yes, complete Section G
<a href="#">Are you collecting data for Thymus / Mediastinal Mass Resection?</a> (1600)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	if yes, complete Section H
<a href="#">Are you collecting data for Tracheal Resection?</a> (1610)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	if yes, complete Section I
<a href="#">Are you collecting data for Hiatal Hernia / GERD?</a> (1620)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	if yes, complete Section J

If confirmed for primary Lung Cancer





# Submitting Cases

Analyzed Procedures	
Lung Cancer Resection	
surgical; with lobectomy (32663)	<input type="checkbox"/> Removal of lung, single lobe (lobectomy) (32480)
with therapeutic wedge resection (eg mass or atellectasis) (32666)	<input type="checkbox"/> Removal of lung, two lobes (bilobectomy) (32482)
with therapeutic wedge resection (eg mass or atellectasis) (32667) List separately in addition to primary procedure code	<input type="checkbox"/> Removal of lung, single segment (segmentectomy) (32483)
with diagnostic wedge resection followed by therapeutic wedge resection (32668), List separately in addition to primary procedure code	<input type="checkbox"/> Removal of lung, sleeve lobectomy (32486)
with removal of a single lung segment (32669)	<input type="checkbox"/> Removal of lung, completion pneumonectomy (32487)
with removal of two lobes (bilobectomy) (32670)	<input type="checkbox"/> Resection and repair of portion of bronchus (bronchoplastic) performed at time of lobectomy or segmentectomy (32488)
with removal of lung, pneumonectomy (32671)	<input type="checkbox"/> Resection of apical lung tumor (e.g., Pancoast tumor) with chest wall resection, without chest wall reconstruction (32489)
with therapeutic wedge resection (eg mass nodule) (32672)	<input type="checkbox"/> Resection of apical lung tumor (e.g., Pancoast tumor) with chest wall resection, with chest wall reconstruction (32490)
total pneumonectomy; (32440)	<input type="checkbox"/> Thoracotomy with therapeutic wedge resection (eg mass nodule) each additional resection, ipsilateral (+32506) List separately in addition to primary procedure code
sleeve (carinal) pneumonectomy (32442)	<input type="checkbox"/> Thoracotomy with diagnostic wedge resection followed by therapeutic wedge resection (eg mass nodule) List separately in addition to primary procedure code
with mediastinal and regional lymphadenectomy (32443) List separately in addition to primary procedure code	<input type="checkbox"/> Thoracic lymphadenectomy, regional, including mediastinal and peritracheal nodes (38746)

Bronchoscopy	
through established tracheostomy incision (31621)	<input type="checkbox"/> Bronchoscopy, with removal of lung, single lobe (31632)
with endobronchial ultrasound (EBUS) during bronchoscopy diagnostic procedure (31620)	<input type="checkbox"/> Bronchoscopy, with removal of lung, each additional lobe (31633)
with endobronchial ultrasound (EBUS) during bronchoscopy diagnostic procedure, with or without cell washing (31622)	<input type="checkbox"/> Bronchoscopy, with removal of lung, sleeve lobectomy (31634)
with brushing or protected brushings (31623)	<input type="checkbox"/> Bronchoscopy, with revision of tracheal stenosis (31635)
with bronchial alveolar lavage (BAL) (31624)	<input type="checkbox"/> Bronchoscopy, with excision of tumor (31636)
with bronchial or endobronchial biopsy(s), single or multiple (31625)	<input type="checkbox"/> Bronchoscopy, with destruction of tumor by method other than excision (e.g., laser therapy) (31637)
with placement of fiducial markers (31626)	<input type="checkbox"/> Bronchoscopy, with placement of catheter for radioelement application (31643)
with transbronchial lung biopsy(s), single lobe (31627)	<input type="checkbox"/> Bronchoscopy, with therapeutic aspiration (31644)
with transbronchial needle aspiration biopsy(s) (31628)	<input type="checkbox"/> Bronchoscopy, with therapeutic aspiration (31645)
with tracheal/bronchial dilation or closed reduction (31629)	<input type="checkbox"/> Bronchoscopy, with therapeutic aspiration (31646)
with placement of tracheal stent(s) (includes removal as required) (31631)	

Non-Analyzed Procedure – if this is all that was performed, you may enter these cases, but they are not required and will not be analyzed

<a href="#">Surgical Procedure for Lung Cancer or Suspected Lung Cancer? LungCancer (1580)</a>	<input type="checkbox"/> Yes <input type="checkbox"/> No	if yes, complete Section F
<a href="#">Surgical Procedure for Esophageal Cancer? EsophCancer (1590)</a>	<input type="checkbox"/> Yes <input type="checkbox"/> No	if yes, complete Section G
<a href="#">Are you collecting data for Thymus / Mediastinal Mass Resection? ThymusMediastinalData (1600)</a>	<input type="checkbox"/> Yes <input type="checkbox"/> No	if yes, complete Section H
<a href="#">Are you collecting data for Tracheal Resection? TrachealData (1610)</a>	<input type="checkbox"/> Yes <input type="checkbox"/> No	if yes, complete Section I
<a href="#">Are you collecting data for Hiatal Hernia / GERD? HiatalHerniaData (1620)</a>	<input type="checkbox"/> Yes <input type="checkbox"/> No	if yes, complete Section J

If no analyzed procedure with positive primary Lung Cancer is performed then answer 'NO' to LungCancer (seq 1580)





# Submitting Cases

- You must have a positive primary cancer finding and an analyzed procedure performed to answer 'YES' to either LungCancer – seq 1580 or EsophCancer – seq 1590
- For LungCancer
  - Primary means it is not a metastatic cancer in the lung for LungCancer – seq 1580
  - LungCancer – Seq 1580 – Code Yes
    - Example: Primary lung cancer with mets to other organs
  - LungCancer – Seq 1590 – Code No
    - Example: Primary colon cancer with mets to lung
- For EsophCancer
  - Primary means it is not a metastatic cancer in the esophagus for EsophCancer - seq 1590
  - EsophCancer – Seq 1590 – Code Yes
    - Example: Primary esophageal cancer with mets to other organs
  - EsophCancer – Seq 1590 – Code No
    - Example: Primary stomach cancer with mets to esophagus



Patient ID: _____ PatID (80)		Medical Record #: _____ MedRecN (90)	
First Name: _____ PatFName (100)	Middle Name: _____ PatMName(110)	Last Name: _____ PatLName (120)	SSN#: _____ SSN (130)
Patient participated in TS-related clinical trial: <input type="checkbox"/> None <input type="checkbox"/> Trial 1 <input type="checkbox"/> Trial 2 <input type="checkbox"/> Trial 3 <input type="checkbox"/> Trial 4 <input type="checkbox"/> Trial 5 <input type="checkbox"/> Trial 6 (If not "None") Clinical trial patient ID: _____ ClinTrialPatID (150)			
Date of Birth: ____/____/____ DOB (160) (mm/dd/yyyy)	Age: _____ Age (170)	Patient Postal Code: _____ PostalCode (180)	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female Gender (190)
<u>Is the Patient's Race Documented?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Patient Declined to Disclose RaceDocumented (200)			
<u>Race:</u> If Yes select all that apply White/Caucasian <input type="checkbox"/> Yes <input type="checkbox"/> No RaceCaucasian (210) Asian <input type="checkbox"/> Yes <input type="checkbox"/> No RaceAsian (230) Native Hawaiian/Pacific Islander <input type="checkbox"/> Yes <input type="checkbox"/> No RacNativePacific (250)	Black/African American <input type="checkbox"/> Yes <input type="checkbox"/> No RaceBlack (220) American Indian/Alaskan Native <input type="checkbox"/> Yes <input type="checkbox"/> No RaceNativeAm (240) Other <input type="checkbox"/> Yes <input type="checkbox"/> No RaceOther (260)		
Hispanic or Latin Ethnicity: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Documented Ethnicity (270)			

# Required Variables for Case Inclusion

The variable underlined in blue must be included for your case to be included in analysis

# The Training Manual

- Guidance on abstracting variables
- Intent/Clarification provided to further explain definitions
- Update monthly with new FAQ's
- Refer to this to ensure you are abstracting correctly
- Check here first!

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SeqNo: 500

Long Name: Valvular Heart Disease

Short Name: VHD

Definition: Indicate if the patient has had or has the presence of dysfunction of at least one heart valve graded as 2+ or greater on an echocardiogram. Excludes surgically corrected disease.

**Intent/Clarification:** Valvular heart disease is characterized by damage to or a defect in one of the four heart valves: the mitral, aortic, tricuspid or pulmonary. ~~If a range is provided (i.e., 1–2+) use the highest number given, in this example, 2.~~

**May 2019:** Valvular heart disease is not limited to just insufficiency or stenosis. If the patient has valvular heart disease that is documented as 2+ (moderate) or greater this field should be captured.

The **mitral and tricuspid valves** control the flow of blood between the atria and the ventricles (the upper and lower chambers of the heart). The **pulmonary valve** controls the flow of blood from the heart to the lungs, and the **aortic valve** controls the flow of blood from the heart to the aorta, and thereby the blood vessels to the rest of the body. The **mitral and aortic valves** are the ones most frequently affected by valvular heart disease.

August 2018: 1+ = mild, 2+ = moderate, 3+ = severe. Mild to moderate is less than 2+ and would not qualify as 2+ or greater.

Harvest Codes:

Code: Value:

1 Yes

2 No

3

January 2019: In the patient's H&P it specifies that the patient has mitral valve prolapse. There is no echo to confirm 2+ or greater. Should I count MVP as Valvular Heart Disease in this case? **No, do not count MVP as VHD.**

April 2019: Prior to index admission, echocardiogram was done at OSH. Actual report is not available but per Cardiology consult summary, echo shows "moderate mitral and tricuspid regurgitation." No mention of valvular structure. During lung resection admission, echocardiogram was repeated. This one documents that both MV and TV are "normal in structure" but also notes moderate regurgitation. Does moderate regurgitation in presence of normal structure constitute valvular disease? **Yes, Moderate regurgitation = 2+**

May 2019: What are the date parameters of the echocardiogram to be used to gather this data? **Within 6 months.**

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SeqNo: 510

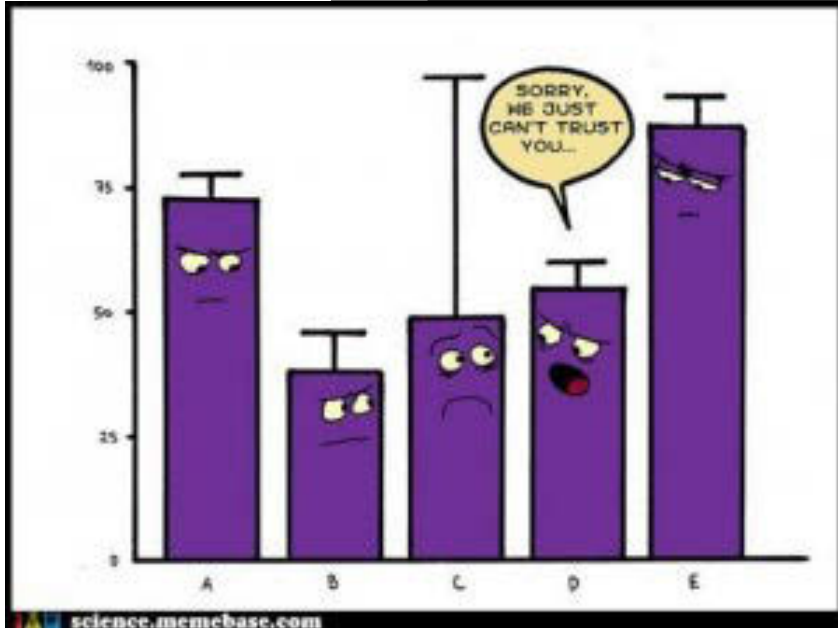
Long Name: Valvular Heart Disease Location - Aortic Valve

Short Name: VHDLocAV

Definition: Indicate whether the patient has or had the presence of dysfunction of the aortic valve



# Keys to Abstraction



- Be consistent in where you obtain information but...
- Pay attention to source documentation
  - Use data that meets the listed requirements
    - Timeframe
    - Mode of testing
- If you can't find it, ask your surgeon
- Do not guess. No data is better than bad data.
  - If you can't find it, ask
  - This is different than out of range high/low value

# Working with your Surgeons

- Surgeons are busy, be patient but persistent
- Be clear and concise
- Know what you are going to ask before you ask it
- Do your homework and know the facts
- Get involved with Quality Meetings and Department Meetings where the data is being discussed
- Ask to observe a case
- Offer to review data with the surgeon
  - Build EHR templates
  - Use Surgeon Worksheets
- Work with Nursing and OR staff – they can help you



# Submitting a Clinical Question

If you have a question about submitting a case that is clinical in nature, then please submit it to the FAQ Mailbox.

- You will need
  - Participant Identification (PID)
    - This is a 5-digit number starting with a 4
  - Shortname and Sequence Number
    - Can be found on the annotated DCF or TM
  - As much information you can provide to help us answer your question
    - We can only answer based off the information you provide
- It can take up to 30 days for a response
  - We may have to discuss it with Surgeon Leaders
  - We may ask you for additional information





# Clean Data

- Your vendor will allow you to run internal QA checks on your data prior to submission
- IQVIA, the data warehouse provides you with
  - Data Quality Report
  - Harvest Summary Report
  - Critical Error Report
- Next upgrade will have 'on-save' consistency checks built into your vendors software that will prevent you from saving your data if certain errors are present





# Data Submission Deadlines

- Harvest submission deadlines occur twice a year for General Thoracic
  - Spring and Fall
    - Each report will be a star-rating
  - Voluntary Public Reporting Result are based on the Spring Harvest
    - Lung Cancer and Esophageal Cancer Cases



# Additional STS Resources

- Monthly Didactic Webinar
- Monthly User Group Calls
- Quarterly New Data Manager Webinars
- Advances in Quality and Outcomes: A Data Managers Meeting
  - This year we will be reviewing the 5.21 upgrade
  - Virtual with live and pre-recorded content
  - CEU's available
- New Data Managers can contact Adie Dolan for a welcome packet
  - Adolan@sts.org





# ADVANCES IN QUALITY & OUTCOMES: A Data Managers Meeting

September 29 – October 2, 2020 ■ VIRTUAL



## Preliminary Program

*All session titles are preliminary and subject to change.*

*Names of speakers and session times will be updated on the STS website as they are confirmed.*

### Sessions – Recorded Content

President's Welcome: Joseph A. Dearani, MD

STS National Database Platform

Engaging Patients & Families

Behind the Scenes of the Database



## STS National Database

- Risk Model & Public Reporting
- Hiatal Hernia
- Trachea
- Thymus
- Poster Quality Improvement Presentation
- Quality Improvement

### Live Sessions

- Version Upgrade
- Lymph Nodes
- Lung Cancer: Walk the Form, Clinical & Pathological Staging
- Esophageal Cancer: Walk the Form, Clinical & Pathological Staging

# Advances in Quality and Outcomes: A Data Managers Meeting (AQO)





# Open Discussion

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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 for joining!

Contacts:

Leigh Ann Jones – [Ljones@sts.org](mailto:Ljones@sts.org)

