

Society of Thoracic Surgeons

General Thoracic Surgery Database Monthly Webinar

October 9, 2024



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

Agenda

- Welcome and Introduction
- STS Updates
 - STS Database Platform Access Requests (Banu/Paul)
- Educational Updates (Ruth Raleigh, GTSD Consultant)
- Q&A

STS Updates

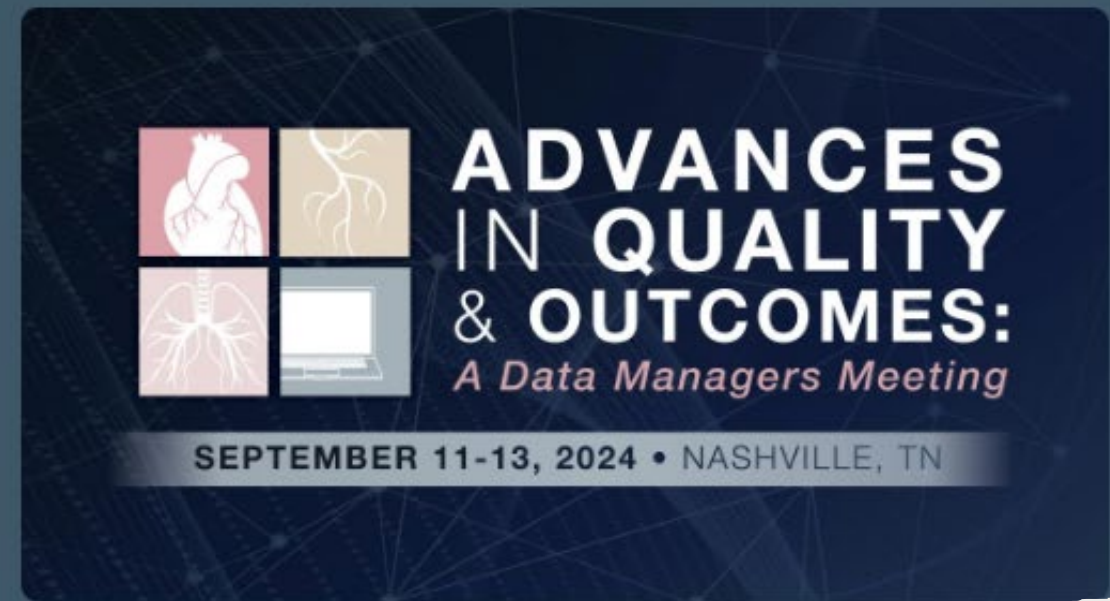
- October Training Manual to be posted no later than Friday 10/11
 - FAQ Summary to include both September and October Updates
- STS Data Manager Collaborative now Open
 - To learn more about the DM Collaborative please review the August 14th webinar:
 - [GTSD August 2024 Monthly Webinar](#)
- Fall 24 Harvest Update
 - Data in analysis
 - Surgery dates 7/1/2021 – 6/30/2024
 - First report containing all version 5.21 data
- 2025 Harvest Schedule Coming Soon!!!

Fall 2024 Reporting Updates

- Implementation of revised risk models
 - Resection for Primary Lung Cancer
 - Esophagectomy
- Lobectomy for Lung Cancer Risk Model results will no longer be reported out
 - Lobectomy legacy reports will remain
- STS and NIS Comparison Outcomes reporting will utilize Resection population
- Removing the Required Fields Criteria
 - This does NOT mean you should no longer collect these data!
 - Ex: Analytics continues to see a slight increase in the overall missing % for ECOG
- GTSD Analyses Overview will be updated to reflect the F24 Reporting Changes

2024 Advances in Quality & Outcomes: A Data Managers Meeting

Discussions on valuable research and important clinical findings with the goal of improving data collection and patient outcomes.



AQO 2024: A Data Managers Meeting

- Hot Topics Webinar: **Monday, 10/28 1:00 – 5:00pm ET**
- Virtual Pass still available for purchase until **November 15, 2024**
- AQO Content to remain on virtual platform until **Friday, December 13th**
 - Will be moved over to STS Learning Center
- CEU deadline is **Friday, December 13th**

STS DATABASE PLATFORM ACCESS REQUEST PROCESS

Paul Meehan – Senior Manager of Quality and Research Center

Banu Yagci – Senior Manager of Quality Measures and Database Support



NPI Validation Functionality

- Impacts participants using a third-party software vendor
- Contact list should reflect all updates
 - Surgeon/anesthesiologist on contact list > cases will be accepted into the data warehouse
 - Surgeon/anesthesiologist NOT on contact list>the records will trigger a critical error and will NOT be accepted into the data warehouse
 - Incorrect NPI values > the records will trigger a critical error and will NOT be accepted into the data warehouse
- Locum surgeons should be added to the contact list



Critical Error for Invalid Surgeon NPI/Hospital NPI

06/07/2024 05:00:16 AM

Case Forms Upload ID: [REDACTED]
Facility: [REDACTED]
Processing Status: File Upload Completed
File Name: [REDACTED]
Restricted Uploader User Name: [REDACTED]

44/59
[View Reports](#)

Data Quality Report

File Based Issue

VALIDATION ALERT	MESSAGE
Cancelled	File status reset by scheduled job

Validation Alert Summary

● Critical
● warning

warning (99.1%)

Alerts by Uploaded Records

Record ID	Source Patient ID	Critical
[REDACTED]	No Patient ID Available	1
[REDACTED]	No Patient ID Available	1
[REDACTED]	No Patient ID Available	1

Records Level Validation

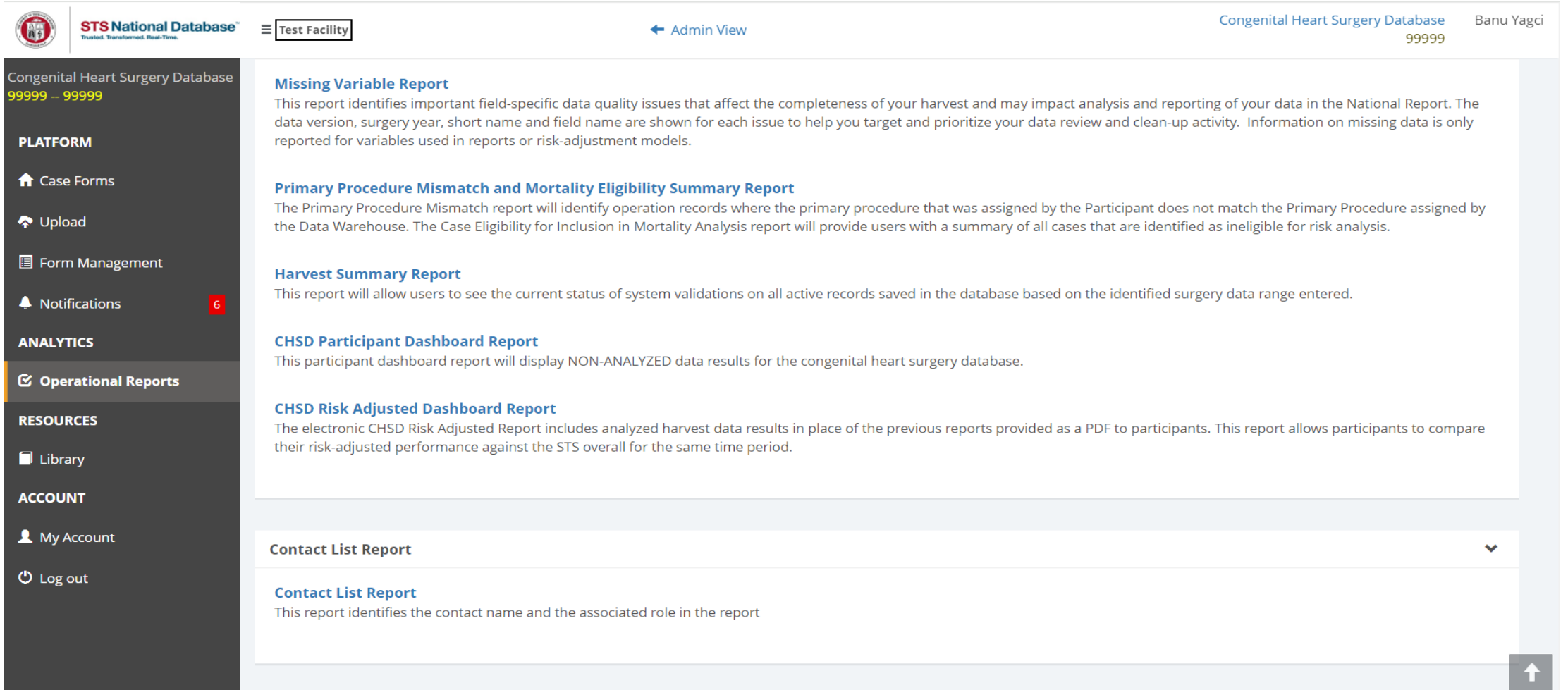
Validation Status	Error Type	Record_ID	Short Name	Message	Source Patient ID	Access Case
Critical	Error occurred during file pre-processing	recordid	recordid	Record V [REDACTED] is referencing an invalid Anesthesiologist NPI. Record has been skipped	No Patient ID Available	https://its.tri.wva.com/platform/acsdrgpatrfacil
Critical	Error occurred during file pre-processing	recordid	recordid	processor validations	No Patient ID Available	
Critical	Error occurred during file pre-processing	FileValidation	FileValidation	There was a problem parsing the uploaded file. Please check the file is correctly formatted and c...	No Patient ID Available	

Error Messages – What Do I Need To Do?

- Error messages:
 - Record XYZ is referencing an invalid Surgeon NPI > Record has been skipped
 - Record XYZ is referencing an invalid Anesthesiologist NPI > Record has been skipped
- What to do:
 - Open your Contact List Report (must be PDFC / BDFC to see this report)
 - Compare surgeons / anesthesiologists in your data with contacts in the report
 - If surgeons / anesthesiologists in your data ARE NOT in the report > submit Participant Contact Form with Schedule A / Schedule B to get them added
 - If ALL surgeons / anesthesiologists in your data ARE in the report > compare the NPI values in your data with the National Registry (<https://npiregistry.cms.hhs.gov/search>) and update your data to include the correct values.



How to Access the Contact List Report



The screenshot displays the STS National Database interface. At the top, the logo for STS National Database is on the left, and the text 'Congenital Heart Surgery Database 99999' and 'Banu Yagci' are on the right. A navigation bar includes 'Test Facility' and 'Admin View'. A left sidebar contains menu items: PLATFORM (Case Forms, Upload, Form Management, Notifications with a red badge '6'), ANALYTICS (Operational Reports), RESOURCES (Library), and ACCOUNT (My Account, Log out). The main content area lists several reports: 'Missing Variable Report', 'Primary Procedure Mismatch and Mortality Eligibility Summary Report', 'Harvest Summary Report', 'CHSD Participant Dashboard Report', and 'CHSD Risk Adjusted Dashboard Report'. At the bottom, a dropdown menu is open for 'Contact List Report', showing its description: 'This report identifies the contact name and the associated role in the report'. An upward arrow is visible in the bottom right corner of the main content area.

Congenital Heart Surgery Database
99999 – 99999

STSNational Database™
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Test Facility

← Admin View

Congenital Heart Surgery Database
99999

Banu Yagci

PLATFORM

- Case Forms
- Upload
- Form Management
- Notifications **6**

ANALYTICS

- Operational Reports

RESOURCES

- Library

ACCOUNT

- My Account
- Log out

Missing Variable Report
This report identifies important field-specific data quality issues that affect the completeness of your harvest and may impact analysis and reporting of your data in the National Report. The data version, surgery year, short name and field name are shown for each issue to help you target and prioritize your data review and clean-up activity. Information on missing data is only reported for variables used in reports or risk-adjustment models.

Primary Procedure Mismatch and Mortality Eligibility Summary Report
The Primary Procedure Mismatch report will identify operation records where the primary procedure that was assigned by the Participant does not match the Primary Procedure assigned by the Data Warehouse. The Case Eligibility for Inclusion in Mortality Analysis report will provide users with a summary of all cases that are identified as ineligible for risk analysis.

Harvest Summary Report
This report will allow users to see the current status of system validations on all active records saved in the database based on the identified surgery data range entered.

CHSD Participant Dashboard Report
This participant dashboard report will display NON-ANALYZED data results for the congenital heart surgery database.

CHSD Risk Adjusted Dashboard Report
The electronic CHSD Risk Adjusted Report includes analyzed harvest data results in place of the previous reports provided as a PDF to participants. This report allows participants to compare their risk-adjusted performance against the STS overall for the same time period.

Contact List Report

Contact List Report
This report identifies the contact name and the associated role in the report



Report Structure Overview



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Contact List Report
Participant:

Contact List

Contact Name	Database Participant Role Name
	Primary Data and File Contact
	Participant Surgeon
	Participant Surgeon
	Backup Data and File Contact
	Participant Surgeon
	Participant Surgeon
	Surgeon Representative
	Backup Data and File Contact
	Participant Surgeon

[Reference: Database Participant & IQVIA Platform Role Mapping](#)



Participant Contact Form (PCF)

- PCF Access:
 - www.sts.org > Research & Data > For Data Managers – scroll down and click *Participant Contact Form* under **Essential Forms and Resources**
 - <https://www.sts.org/sts-participant-contact-form>

The screenshot shows the 'STS Participant Contact Form' webform. At the top, there is a dark blue header with the title 'STS Participant Contact Form'. Below the header, there are navigation tabs for 'View', 'Test', and 'Results'. A progress bar indicates three steps: 1. Vendor and Hospital Updates (active), 2. Contact and Role Updates, and 3. Complete. The main content area contains instructions for participants, a 'Please note' section regarding participation agreements, and a contact email for the STS National Database team. Below this, there are input fields for 'Your Name' and 'Your Email', followed by a large text area to describe changes. A field for 'Participant/Site ID#' is also present. The 'Database Selection' section includes checkboxes for Adult Cardiac, General Thoracic, Congenital Heart Surgery, Internatics, and Podiatry. The 'Hospital Name and NPI #' section includes a link to obtain the NPI and a radio button question about updating the name or NPI. At the bottom, there is a 'Next Page >' button.



Participant Roles & IQVIA Platform User Mapping

- Assign roles depending on the level of access you would like to give to the database participant.
- Review “Participant Roles and Descriptions” document for a detailed explanation on each role.
- Both documents are located under the **Essential Forms and Documents** section

STS NATIONAL DATABASE
(ACSD, GTSD, AND CHSD ONLY)

PARTICIPANT ROLES & IQVIA PLATFORM USER MAPPING

Database Participant Role Name	Platform Role Name	Level of Access
Anesthesiologist	Surgeon Reviewer	Read Only
Anesthesiologist Representative	Surgeon Reviewer	Read Only
Backup Data and File Contact	Restricted Uploader	Ability to Upload Files
Backup Direct Data Entry Contact	Abstractor	Ability to Enter Cases
Billing Contact	N/A – No Platform Access	N/A
Billing Contact – Anesthesiologist Participant	N/A – No Platform Access	N/A
Contract Contact	N/A – No Platform Access	N/A
Data Quality Report Recipient	Report Viewer	Read Only
National Report Recipient	Report Viewer Report Viewer – Auditor (Umbrella Reports)	Read Only
Participant Surgeon	Surgeon Reviewer	Read Only
Primary Data and File Contact	Restricted Uploader	Ability to Upload Files
Primary Direct Data Entry Contact	Surgeon	Ability to Enter Cases Access to Data Download Report
Surgeon Representative	Surgeon Reviewer	Read Only



For Surgeons and Anesthesiologists - ONLY

- A completed and signed Schedule A (**surgeons**) / Schedule B (**anesthesiologists**) form should be uploaded and submitted with the Participant Contact Form.
- www.sts.org > Research & Data > For Data Managers – scroll down to click Schedule A and B forms under **Essential Forms and Resources**

Are you submitting a Schedule A form? *

Yes
 No

Upload Schedule A File *

No file chosen

One file only.
4 MB limit.
Allowed types: pdf, doc, docx.



For Surgeons

- https://www.sts.org/sites/default/files/Database%20Manuals/Schedule%20A_2022.pdf

Participant Information Database No. (PID #): _____

SCHEDULE A

1. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

2. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

3. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

4. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

5. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

6. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

7. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

8. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

9. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

10. _____, M.D. Address _____
Signature: _____ NPI: _____
Please check one: Cardiothoracic Surgeon Vascular Surgeon

For Anesthesiologists

- https://www.sts.org/sites/default/files/Database%20Manuals/Schedule%20B_2022.pdf

Participant Information Database No. (PID #) _____

SCHEDULE B

1. _____, M.D. Address _____
Signature: _____ NPI: _____

2. _____, M.D. Address _____
Signature: _____ NPI: _____

3. _____, M.D. Address _____
Signature: _____ NPI: _____

4. _____, M.D. Address _____
Signature: _____ NPI: _____

5. _____, M.D. Address _____
Signature: _____ NPI: _____

6. _____, M.D. Address _____
Signature: _____ NPI: _____

7. _____, M.D. Address _____
Signature: _____ NPI: _____

8. _____, M.D. Address _____
Signature: _____ NPI: _____

9. _____, M.D. Address _____
Signature: _____ NPI: _____

10. _____, M.D. Address _____
Signature: _____ NPI: _____

11. _____, M.D. Address _____
Signature: _____ NPI: _____



Who Can Submit a “Participant Contact Form”

- Primary Data and File Contact
- Primary Direct Data Entry Contact
- Backup Data and File Contact
- Backup Direct Data Entry Contact



Important Information

- Confirmation of credentials – PDFC/BDFC
- Processing time – 5-7 business days
- Requests via email – will delay the process



Utilization of STS Database Helpdesk Support



STS Database Helpdesk – stsd_b_helpdesk@sts.org

- Login/Access issues
- Data submission issues – including Direct Data Entry
- Report/Analysis questions/issues/concerns
- Vendor questions/issues
- RedCap questions
- When in doubt, use stsd_b_helpdesk@sts.org



Utilization of STS DB and STS FAQ

STS DB – stsdbs@sts.org

“Official Business”

- Contract questions
- Database sign up – including anesthesia module
- Invoice questions

STS FAQ – stsdbs_faq@sts.org


“Clinical Questions”

- Coding questions
- Clinical questions/concerns
- Data Specs / Training manual questions



Effective Communication to HD

- **Clear, Concise and To The Point:**

- All necessary information including – NPI #, ParticID/PID #, full name of the surgeon/anesthesiologist, etc.
- Use subject line to identify the issue, use body of the email to briefly describe your issue
- Including screenshots -  + Shift + S

- **Please do NOT:**

- Send messages to multiple help desks
- Send messages to individuals
- Send questions to IQVIA (unless you are directly responding to a message from them). If needed, STSDB Helpdesk will escalate



Examples of Effective Communication to HD

Ineffective Email:

- Why does the report say I have only 125 patients?

Effective Email:

- ACSD Risk Adjusted Report
- Report period ending 3/31/20
- Benchmark Reports
- Isolated CABG
- Number of cases for my site 2023 states 125 cases and I think it should be 130.



STS Database Helpdesk response time is usually within 48 hours after receiving your email.

However, it might take longer depending on the nature of your question and the resources needed to answer your question.

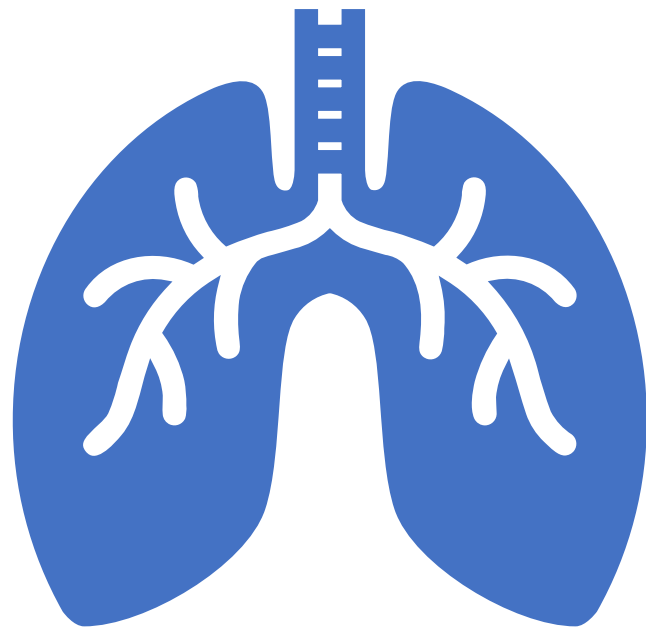


Thank you!
Any Questions?





STS Education
Ruth Raleigh
(GTSD Consultant)



Incidental Therapeutic Resections

- Patients are taken to the OR for a lung resection for many reasons not related to a suspected cancer.
- For example, lung resection performed for the stated purpose of:
 - multiple diagnostic wedge resections for recurrent infection
 - multiple diagnostic wedge resections to further characterize lung disease for treatment purposes
 - bleb resection
 - treatment of spontaneous ptx
- Generally, all specimens are sent to pathology for evaluation. On rare occasion, the pathology report will indicate that a lung cancer was incidentally completely resected.
- In these instances, the lung cancer case must be captured and entered into the registry. The only exception to this rule is patients for whom a pneumonectomy is performed as part of a transplant operation.

Incidental Therapeutic Resections

The training manual provides guidance on how to manage clinical staging for these types of cases:

Lung Cancer

SeqNo: 1600

Long Name: Clinical Staging Done For Lung Cancer

Short Name: ClinStagDoneLung

Format: Text (categorical values specified by STS)

Definition: Indicate whether clinical staging was performed on this patient related to this lung procedure.

Diagnostic resections are those procedures intended to confirm a diagnosis or to better understand the disease process. Diagnostic procedures are not captured here.

Therapeutic procedures are performed to treat the disease.

If a procedure is scheduled as a diagnostic procedure (which is not captured here) and then, based on specimens removed during the procedure, turns into a therapeutic procedure, code no to ClinStagDoneLung (seq 1600), unless other preoperative clinical staging was performed.



Incidental Therapeutic Resections

The training manual also provides guidance on specific scenarios in a variety of locations:

June 2022: In instances where a CABG is completed as the primary procedure and a therapeutic lung resection for new lung cancer occurs in the same trip to the OR the lung resection must be entered into the GTSD database.

Case #5

Patient with history of breast cancer and previous mets to the lung removed via wedge and presents now with a new nodule. Surgeon assumes it's another met. Taken to OR for therapeutic wedge resection. Final pathology returns as early-stage primary lung cancer.

This case is required for the registry. Enter this case as a wedge resection for primary lung cancer including the clinical and pathological staging. This case will be analyzed.

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!

Upcoming GTSD Webinars

Monthly Webinars

- November 13 @ 2:30ET (1:30CT)
- December 11 @ 2:30ET (1:30CT)

Quality Improvement Series

- October 23 @ 2pmET (1:00CT)



Contact Information

Leigh Ann Jones, STS National
Database Manager, Congenital
and General Thoracic

- Ljones@sts.org
- 312-202-5822

Helpdesk Support
(Harvest Questions/Analysis
Report Questions)

- STSDB_helpdesk@sts.org

Database Operational
Questions
(Database Participation,
Contracts, etc.)

- STSDB@sts.org



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THANK YOU FOR JOINING!