Society of Thoracic Surgeons

General Thoracic Surgery Database
User Group Call

October 28, 2020

Agenda

- Welcome and Introductions
- STS Updates
- IQVIA Update
- User Feedback
  - Include Ticket Number/Case Number

STS Updates

GTSD Harvest Update

- Spring 2020 Harvest Analysis Update
  - Reporting period to include 1/1/2017-12/31/2019
  - Analysis underway and risk adjusted results will be provided (mid to late November)
  - Educational materials/webinars on navigating new dashboard to be provided

- Fall 2020 Harvest has closed!
  - Reporting period to include 7/1/2017-6/30/2020
  - Data being prepped and sent over to DCRI for analysis

- Now accepting data for the Spring 2021 Harvest
  - Data up through 12/31/2020 will be accepted

STS Updates

- GTSD Data Version 5.21 Update
  - Delayed until 7/1/2021 (specs to vendors January)
  - STS/Surgeon leaders are working to clean up procedures and diagnosis sections

- AQO Wrap Up
  - Recordings from the live sessions are now available within the platform
  - ALL AQO sessions (Live recordings and on demand content) will be available within the platform for an entire year!
  - If you did not attend, you can purchase access to the AQO content
  - CE credit must be claimed by December 31, 2020

COVID Coding Review

- Temp Code 4070 and Temp Code 4080 being utilized

- Review to ensure your cases are coded correctly

- Improper coding could change your outcomes/analysis

Did the patient have a laboratory confirmed diagnosis of Covid-19?

TempCode (4080)

☐ No (Harvest Code 10)

☐ Yes, prior to hospitalization for this surgery (Harvest Code 11)

☐ Yes, in hospital prior to surgery (Harvest 12)

☐ Yes, in hospital after surgery (Harvest Code 13)

☐ Yes, after discharge within 30 days of surgery (Harvest Code 14)

Date of Positive Covid-19 Test (closest to OR date) _____/_____/_____ (mm/dd/yyyy)

TempDt(4070)

Abstracting Covid-19 Fields

Must be a positive PCR test (SARS-CoV-2)

Antibody testing is not captured

Code No for patients who are not tested and for patients who are tested for Covid 19 and that test is negative

For more than one positive test, collect the test closest to OR Date

Enter date (seq 4070) for a positive test only. We do not want a date for a negative test

Abstracting Covid-19 Fields

Do we really need to go back to January to abstract this field?	No. But, you can go back to January 1 if your site was impacted early on.
Will these patients be included in outcomes?	No, records coded as COVID+ (harvest codes 11, 12, 13 and 14) will be excluded from analysis and public reporting
Can I abstract a patient who is assumed to be Covid-19+ but was not tested?	No. ONLY code yes for a patient who has been confirmed to have Covid-19 through laboratory testing.
Covid-19 after discharge	For patients that self-report testing positive for Covid-19 within 30 days of surgery indicate 'Yes, after discharge within 30 days of surgery'.

IQVIA Update
Melanie Bent & Jeffrey Mathewes

Issues Under Review

Missing Variable Report

- STS-3924 – Missing Variable report displaying PTLIVE90DAY as missing when it's not 90 days since surgery

- STS-3884 - Missing Variable report displaying CLINSTAGLUNGPET as missing

- STS-4312 - Missing variable data element displaying for racedocumented missing for DemogDataVrsn 2.2 (logic update required)

- STS-2619 – Missing variable report – ASA variable not showing results when analyzed filter is selected

- STS-3886 – Missing Variable report displaying Esophageal CA clinical staging (CLINICAL STAGING METHOD – Esophageal – EBUS) as missing

GTSD Dashboard

- STS-3845 – GTSD Dashboard Report - clarification regarding patient's being counted in 30 day mortality not matching up

Please note: Submitted tickets are currently under review and the IQVIA support team will follow up on resolution and/or target release confirmation.

GTSD Risk Adjusted Dashboard Report Demo
Rhonda Murphy

Home Page

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General Thoracic Surgery Database
Data Analyses of The Society of Thoracic Surgeons
Participant:
STS Reporting Period Ending Dec 2019

Export to PDF

Zoom function may impact print quality.
Refresh browser to reset all zooms.

Lung Cancer	Esophageal Cancer	Other Reports	Benchmark Reports
Lobectomy STS/NIS Compare	Esophagectomy Composite Rating	Missing Data	All Esophagectomies
Lobectomy Composite Rating	Esophagectomy Composite Rating Details	Number of Operations and Mortality	All Segmentectomies
Lobectomy Composite Rating Details	Esophagectomy Clinical Staging Procedures	Primary Procedure Operative Mortality	All Pneumonectomies
Lung Cancer Clinical Staging Procedures	Esophagectomy Risk Adjusted Outcomes		All Lobectomies
Pulmonary Resections Morb/Mort			All Wedge Resections
Pulmonary Resections Details			Excision of Mediastinal Mass or Cyst
Lobectomy Risk Adjusted Outcomes			Thymectomy
			Decortication
			Fundoplication, Paraesophageal Hernia
			Fundoplication, Routine Hernia

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Participant Performance for Lobectomy Compared to STS and NIS Databases
Participant:
STS Reporting Period Ending Dec 2019

Domain	Participant				STS				NIS		
	N	# of pat	Score	95% CI	Score	N	# of pat	Min - Max	Score	N	# of pat
Discharge Mortality	256	2	0.4 %	(0.00-1.40)	0.8 %	28,733	216	(0.0-27.2)	1.4 %	25,675	365
Minimally Invasive Lobectomy for Clin Stage I Lung Cancer	193	61	15.8 %	(12.60-19.40)	76.0 %	20,670	15,704	(0.0-80.6)			

Participant and STS Score (95% Confidence Interval)

········ STS ——— My Site ◯ Min - Max ● 95% CI ◯ Out of Range

Discharge Mortality

Minimally Invasive Lobectomy for Clin Stage I Lung Cancer

| 0.0 | 10.0 | 20.0 | 30.0 | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 | 100.0 |

Better than expected results are toward the left   *Adjust slider for zoom*

Domain	Participant				STS			NIS	
	N	Median	Q1	Q3	N	Median	Min - Max	N	Median
Postoperative Length of Stay (Days)	256	1.5	1.5	2.0	28,721	4.9	(1.0-14.0)	25,675	4.9

Participant and STS Score (95% Confidence Interval)

- - - NIS ········ STS ——— My Site ◯ Min - Max ● Q1-Q3 ◯ Out of Range

Postoperative Length of Stay (Days)

| 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |

Better than expected results are toward the left   *Adjust slider for zoom*

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Lobectomy for Lung Cancer Composite Quality Rating
Participant:
STS Reporting Period Ending Dec 2019

Domain	Rating	Participant		STS				
		Score	95% CI	Score	Min - Max	25th	Median	75th
Overall	★★	98.0 %	(96.94-98.69)	96.0%	(94.37-99.24)	97.20 %	97.79 %	98.28 %
Absence of Mortality	★★	98.7 %	(97.74-99.15)	98.0%	(97.65-99.32)	98.62 %	98.81 %	98.97 %
Absence of Major Complication	★★	93.4 %	(90.32-95.84)	89.9%	(80.51-97.28)	89.89 %	91.97 %	93.72 %

★ Worse than Expected. Participant's performance is significantly worse than expected for their specific case-mix.

★★ As Expected. Participant's performance is not statistically different than expected for their specific case-mix.

★★★ Better than Expected. Participant's performance is significantly better than expected for their specific case-mix.

Note: Each participant's composite score and star rating are an estimate of their performance for their specific case-mix (e.g., patient acuity and severity) compared with overall, national STS outcomes for a similar mix of patients. Because a participant's composite score and star rating apply only to their case-mix, they cannot be directly compared with the composite score and star rating of another participant with a different case-mix.

Star ratings for previous time periods reflect the results obtained at that time.

Domain	Participant and STS Score (95% Confidence Interval)
	┄┄┄ STS ─── My Site ◯ Min - Max ⬤ 95% CI ◯ Out of Range

Better than expected results are toward the left

Adjust slider for zoom

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Lobectomy for Lung Cancer Composite Quality Rating
Participant:
STS Reporting Period Ending Dec 2019

Quality Domain	Eligible Procedures	Detail	*Count	Percent
Absence of Mortality	616	Operative Mortality	6	
Absence of Morbidity	616	Major Complication	54	
		ARDS	3	5.2 %
		Bronchopleural Fistula	2	3.4 %
		Initial Vent Support >48hrs	4	6.9 %
		Multiple Complications (more than 1 of the above)	5	24.1 %
		Myocardial Infarction	10	44.8 %
		Pneumonia	9	15.5 %
		Pulmonary Embolus	10	44.8 %
		Reintubation/Resp. Failure	5	24.1 %
		Tracheostomy	2	3.4 %
		Unexpected Return to OR	4	6.9 %

Select value in Count column to view patient drilldown

Patient ID	Surgery Date	Report Name	Detail	Record ID	Quality Domain

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Missing Data Summary
Participant:
STS Reporting Period Ending Dec 2019

Variable	PID 2015	PID 2016	PID 2017	STS Jan 15-Dec 17
Total Number of Operations	346	390	444	132493
No Primary Procedure Information	0%	0%	0%	0.1%
Overall (Missing any of the Required Fields)	4%	2.1%	1.6%	2.7%
Missing Age	0%	0%	0%	0%
Missing Gender	0%	-	0%	0%
Missing Patient's Race Documented	2.6%	3.1%	0.7%	2.7%
Missing Rave (None Indicated)	4%	2.1%	1.1%	1.9%
Missing Race - Caucasian	15.6%	8.5%	1.3%	2%
Missing Rae - Asian	76%	26.9%	1.3%	2.4%
Missing Race - Black/African American	68%	22.6%	1.1%	2.4%
Missing Race - American Indian/Alaskan Native	78%	27.7%	1.3%	2.5%
Missing Race - Native Hawaiian/Pacific Islander	77.7%	27.9%	1.3%	2.6%
Missing Admission Status	-	-	-	-
Missing Primary Payor1	0%	0%	0%	0%
Missing Surgeon National Provider Identifier	0%	0%	0%	0%
Missing Taxpayer ID#1	0%	0%	0%	0%
Missing Cigarette Smoking	0%	0%	0%	0%
Missing Pulmonary Function Tests Performed	0%	0%	0%	0%
Missing Forced Expiratory Volume Test Performed	0%	0%	0.2%	0.1%
Missing FEV1 Predicted	0%	0%	0%	0%
Missing Zubrod Score	0%	0%	0%	0%
Missing Category of Disease - Primary	0%	0%	0%	0%
Missing Date of Surgery	0%	0%	0%	0%
Missing OR Entry Time	0%	0%	0%	0%
Missing OR Exit Time	0%	0%	0%	0%
Missing Procedure Start Time	0%	0%	0%	0%
Missing Procedure End Time	0%	0%	0%	0%
Missing ASA Classification	0%	0%	0%	0%
Missing Procedure	0%	0%	0%	0%
Missing Patient Disposition	0%	0%	0%	0%
Missing Lung Cancer	0%	0%	0%	0%
Missing Esophageal Cancer2	-	-	-	-
Missing Postoperative Event Occurred	0%	0%	0.2%	0.5%
Missing Discharge Date	0%	0%	0%	0%
Missing Discharge Status	0%	0%	0%	0%
Missing Status 30 Days After Surgery	0%	0%	0%	0.1%

Select value in Count column to view patient drilldown

Patient ID	Surgery Date	Report Name	Detail	Record ID	Quality Domain

STS/IQVIA Support Plan

IQVIA's Support Plan

Participant or vendor contacts IQVIA customer support^

Phone: 833-256-7187
Email: STSTechsupport@iqvia.com

Connects to →

Tier I – IQVIA Contact Center
Live Support: 8 am–8 pm ET, Mon–Fri

Routes to →

Tier II – IQVIA Support Lead, Systems & Application Support
Live Support: 8 am–8 pm ET, Mon–Fri

Works with →

Database Vendors

Or routes to →

STS
Live Support: 9 am–5 pm CT, Mon-Fri

Routes to (if necessary) →

DCRI
Live Support: 9 am–5 pm ET, Mon–Fri

^ Inquiries received outside live support hours will require a 24-hour turnaround window (i.e., one business day) for responses.

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*

Contact Information

- Leigh Ann Jones, STS National Database Manager, Congenital and General Thoracic
  - Ljones@sts.org
  - 312-202-5822
- Database Operational Questions
  - STSDB@sts.org

Next GTSD Webinars

Monthly Webinar

- November 11 @ 1:30 CT

User Group Call – CX due to Holiday

- November 25 @ 2:30pm CT

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!