

Society of Thoracic Surgeons

General Thoracic Surgery Database Monthly Webinar

October 14, 2020



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

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!
 - Harvest closed on September 25th
 - 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



- October Training Manual Posted
 - Core group met last week and will meet again this week to continue addressing questions
- GTSD Data Version 5.21 Update
 - Delayed until 7/1/2021 (specs to vendors January)
 - Proposed changes and a draft DCF were presented at AQO
- AQO Wrap Up
 - Thank you to everyone that attended (highest attendance EVER)
 - 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!
 - CE credit must be claimed by December 31, 2020

STS Updates

- New Data Manager Webinar
 - October 29th 1:00pm CT
 - Check out last month's User Group Call for Data Manager Survey Results
 - Data Managers Survey results to be posted on STS website
- Direct Data Entry
 - Now available for GTSD Participants
 - Email STSDb@STS.ORG for details



AQO Clarifications

- What cases do I have to enter?
 - The intent of the STS General Thoracic Surgery Database is to collect data for primary lung and esophageal cancers
 - Non-primary lung and esophageal cancer cases are optional
- Other 'modules' are optional and are NOT required
 - Thymus/Mediastinal Mass Resection
 - Tracheal Resection
 - Hiatal Hernia/GERD



AQO Clarifications

- Did I hear correctly – Is the 5 year follow up going away with the new version?
 - Yes, the Task Force decided to retire these variables as we were not receiving adequate data to provide meaningful analysis
- Do I continue to collect this data for the current version?
- The new version will go live in July 2021. What about patients entered in the first 6 months of 2021?
 - Task force is currently discussing and per their final decision STS will provide an update in the training manual and via webinars

IQVIA Update

Joe Brower



Recent Release Items – October 2020

The following items were released on October 10th.

Missing Variable Report

- STS-3656 (duplicate of STS-3624) – MVR is displaying data elements that are not required – CLINSTAGESOPHEBUS, CLINSTAGESOPHMEDIA
- STS-3686 – Missing Variable data element for Patient Participating in STS-Related Clinical Trial

Harvest Summary Report Enhancements

- STS-3122 – Update the report to display the selected surgery dates for quick reference
- STS-3123 – Update the report to display the total number of patient records for quick reference



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 CLINSTAGLUNG PET 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

Melanie Bent



Home Page



**The Society
of Thoracic
Surgeons**

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.

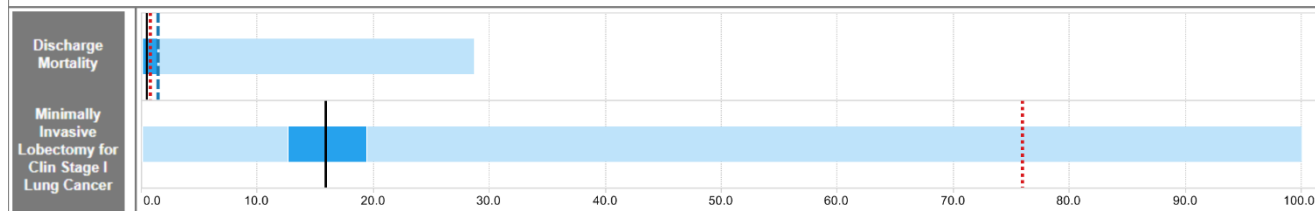
Lung Cancer	Esophageal Cancer	Other Reports	Benchmark Reports
Lobectomy STS/NIS Compare	Esophagectomy Composite Rating	Missing Data	All Esophagectomies
Lobectomy Composite Rating	Esophagectomy Composite Rating Details	Number of Operations and Mortality	All Segmentectomies
Lobectomy Composite Rating Details	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



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
		193	61	15.8 %	(12.60-19.40)	76.0 %	20,670	15,704	(0.0-80.6)			
Minimally Invasive Lobectomy for Clin Stage I Lung Cancer												

Participant and STS Score (95% Confidence Interval)

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



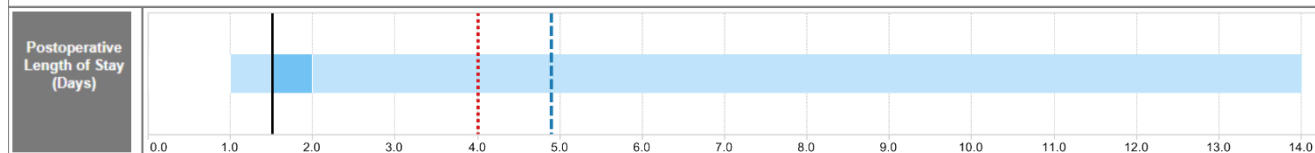
Better than expected results are toward the left

Adjust slider for zoom

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



Better than expected results are toward the left

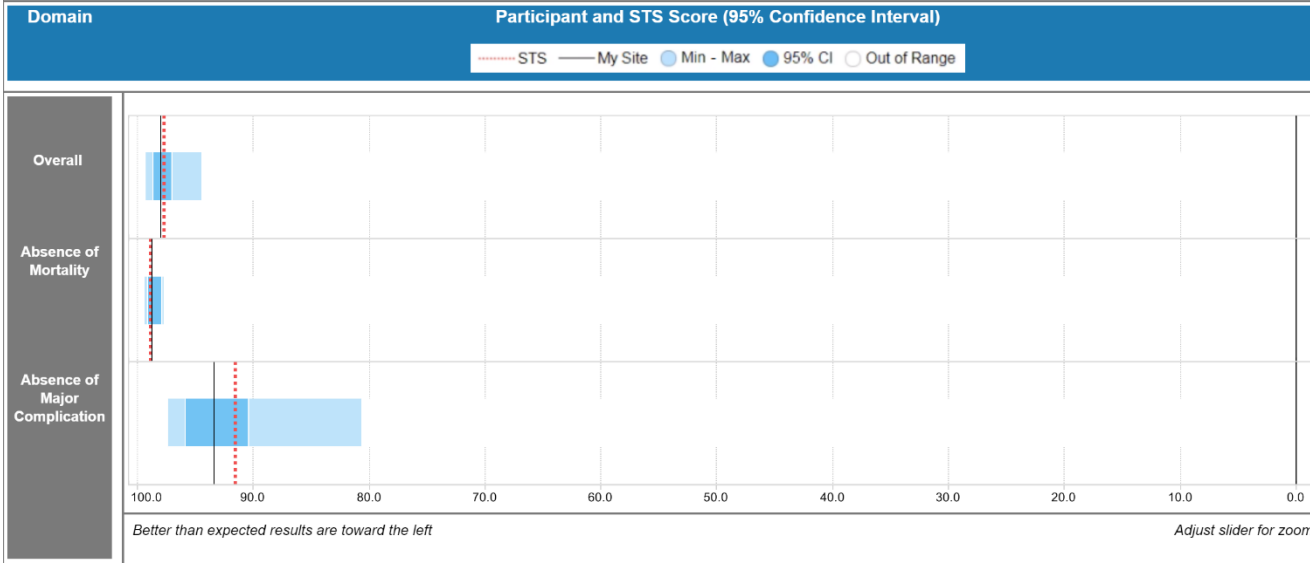
Adjust slider for zoom

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.





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 %

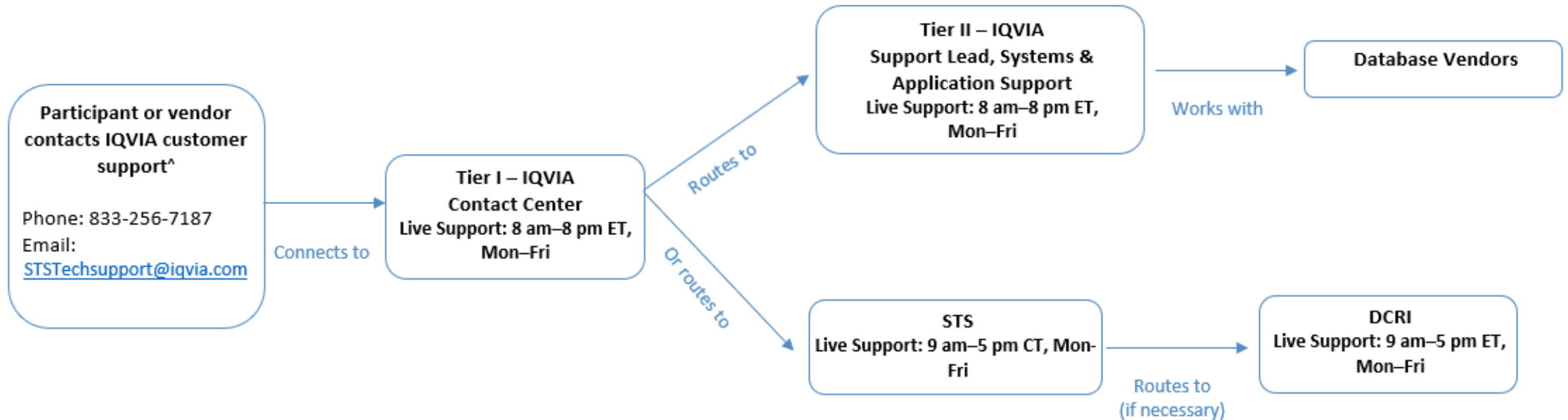
* Select value in Count column to view patient drilldown

Patient ID	Surgery Date	Report Name	Detail	Record ID	Quality Domain
------------	--------------	-------------	--------	-----------	----------------

STS/IQVIA Support Plan



IQVIA's Support Plan



^ 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

User Group Call

- October 28 @ 2:30 CT

Monthly Webinar

- November 11 @ 1:30pm 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!