Society of Thoracic Surgeons

General Thoracic Surgery Database Monthly Webinar

November 11, 2020

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

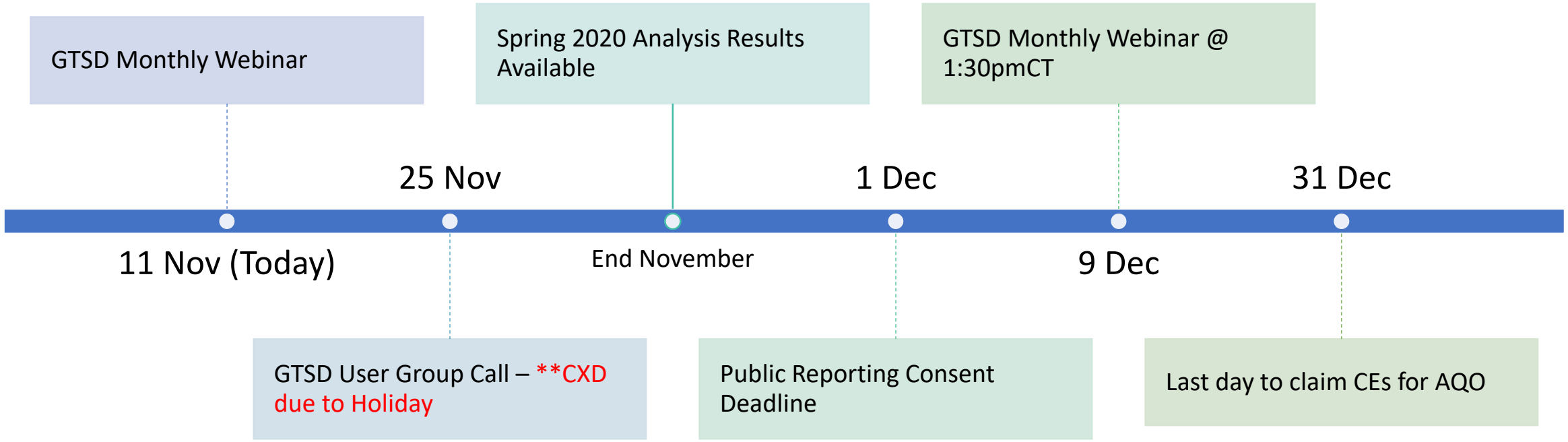
Agenda

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

STS Updates

- **Public Reporting**
  - Next public reporting consent deadline is December 1
    - Lobectomy for lung cancer and esophagectomy composite measures are included
    - If you have already consented for PR, you do not need to send in a new consent every year.
  - STS will send notification to sites in the coming weeks
  - Contact Sydney Clinton with questions – Sclinton@sts.org
- **Harvest Updates**
  - Spring 2020 analysis results being uploaded to the IQVIA dashboards (mid to late November)
  - Fall 2020 Harvest in analysis at DCRI
  - Now accepting data for the Spring 2021 Harvest
    - Data up through 12/31/2020 will be accepted
  - 2021 Harvest Schedules are being finalized
- **AQO Wrap Up**
  - All AQO Sessions will be available for an entire year
  - CE Credit must be claimed by December 31, 2020
  - Access to AQO will be available for purchase in late November via the STS Learning Center

Important Dates for General Thoracic



Data Manager Polling

IQVIA Update

Joe Brower

IQVIA Release Items – November 2020

The following items were released on the weekend of November 7th.

Uploader/DQR Validations

- STS 4316 – Critical error validations have been added to validate the Surgeon NPI, Hospital NPI is the fields are missing during file submission
- STS-4051 – Consistency check validations added to GTSD form version 2.3
- STS-4052 – Consistency check validations added to GTSD form version 2.41

Direct Data Entry

- STS-3106 – Record ID Handling implemented
- STS-3674 – Patient ID Handling implemented

Issues Under Review – Release Date to Be Determined

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 (RESOLVED)

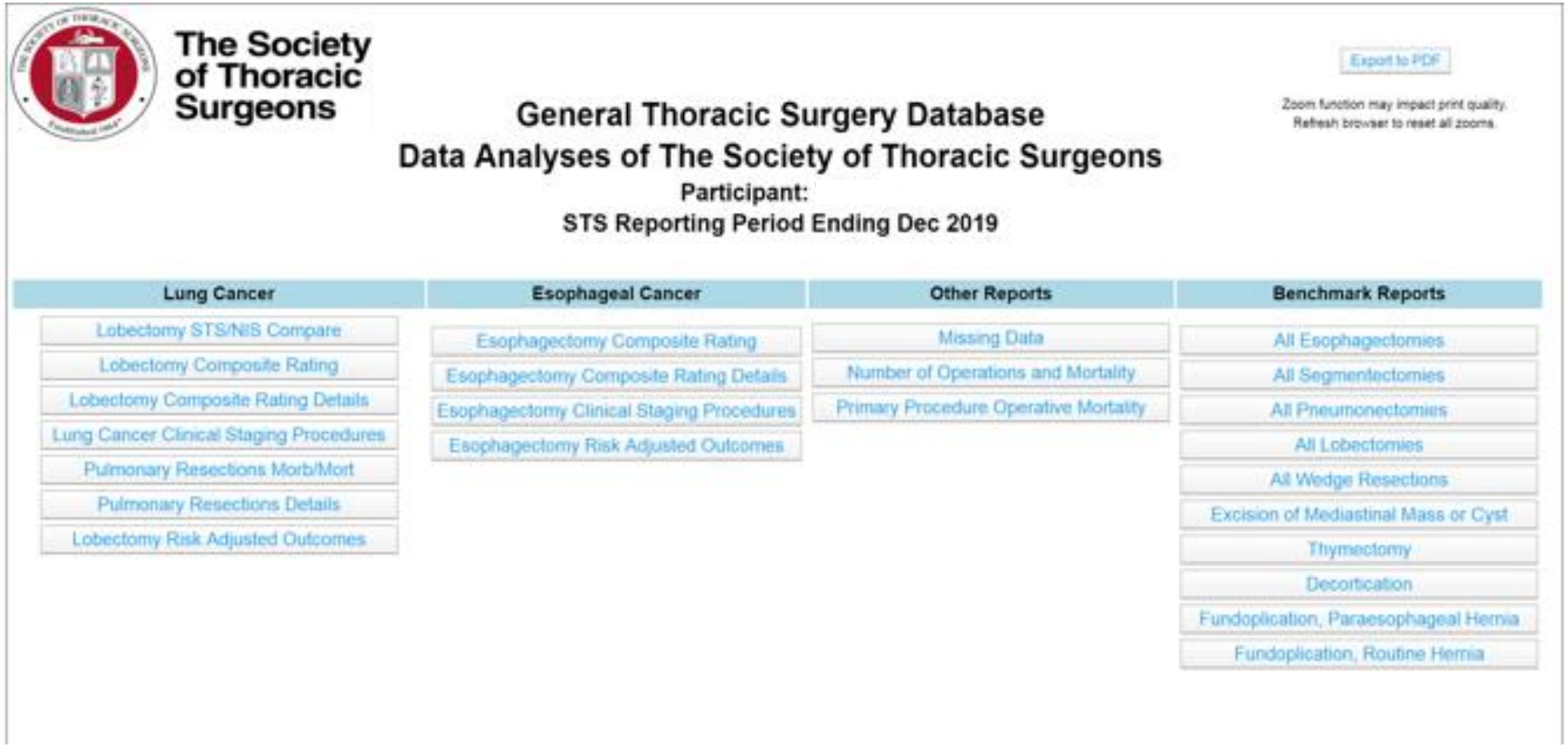
GTSD Dashboard

- 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
Rhonda Murphy

Home Page


The Society of Thoracic Surgeons
Export to PDF
Zoom function may impact print quality.
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General Thoracic Surgery Database
Data Analyses of The Society of Thoracic Surgeons
Participant:
STS Reporting Period Ending Dec 2019
Lung Cancer
Lobectomy STS/NIS Compare
Lobectomy Composite Rating
Lobectomy Composite Rating Details
Lung Cancer Clinical Staging Procedures
Pulmonary Resections Morb/Mort
Pulmonary Resections Details
Lobectomy Risk Adjusted Outcomes
Esophageal Cancer
Esophagectomy Composite Rating
Esophagectomy Composite Rating Details
Esophagectomy Clinical Staging Procedures
Esophagectomy Risk Adjusted Outcomes
Other Reports
Missing Data
Number of Operations and Mortality
Primary Procedure Operative Mortality
Benchmark Reports
All Esophagectomies
All Segmentectomies
All Pneumonectomies
All Lobectomies
All Wedge Resections
Excision of Mediastinal Mass or Cyst
Thymectomy
Decortication
Fundoplication, Paraesophageal Hernia
Fundoplication, Routine Hernia

Lobectomy STS/NIS Compare

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Participant Performance for Lobectomy Compared to STS and NIS Databases

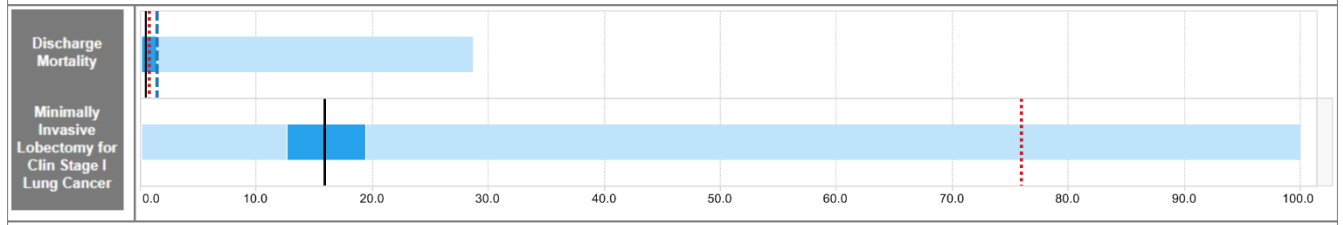
Participant:

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



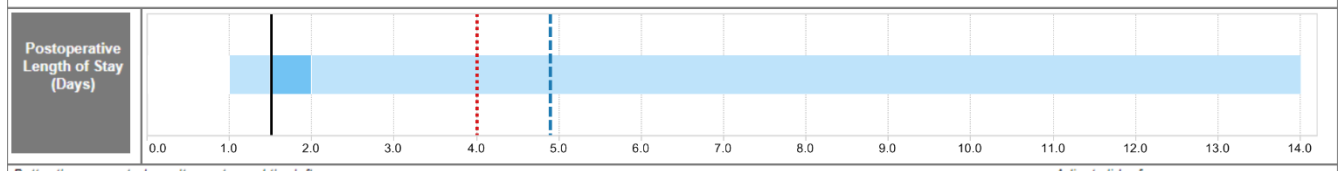
Better than expected results are toward the left

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



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Lobectomy Composite Rating

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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.

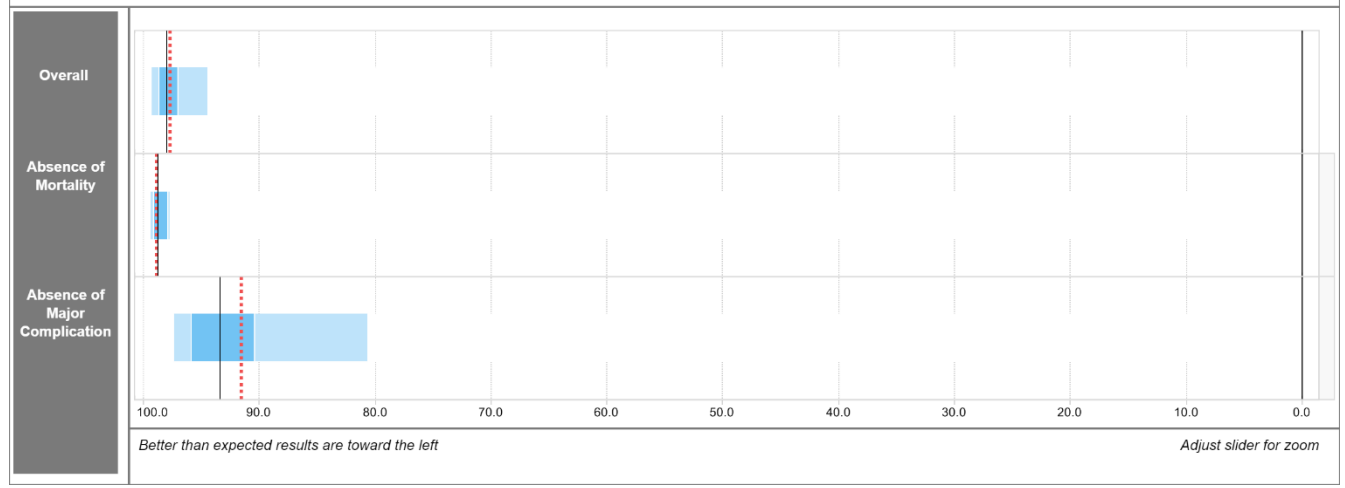
★★ As Expected. Participant's performance is not statistically different than expected for their specific case-mix.

★★★ 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)**



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Lobectomy Composite Rating Details

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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

Missing Data

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Missing Data Summary
Participant:
STS Reporting Period Ending Dec 2019

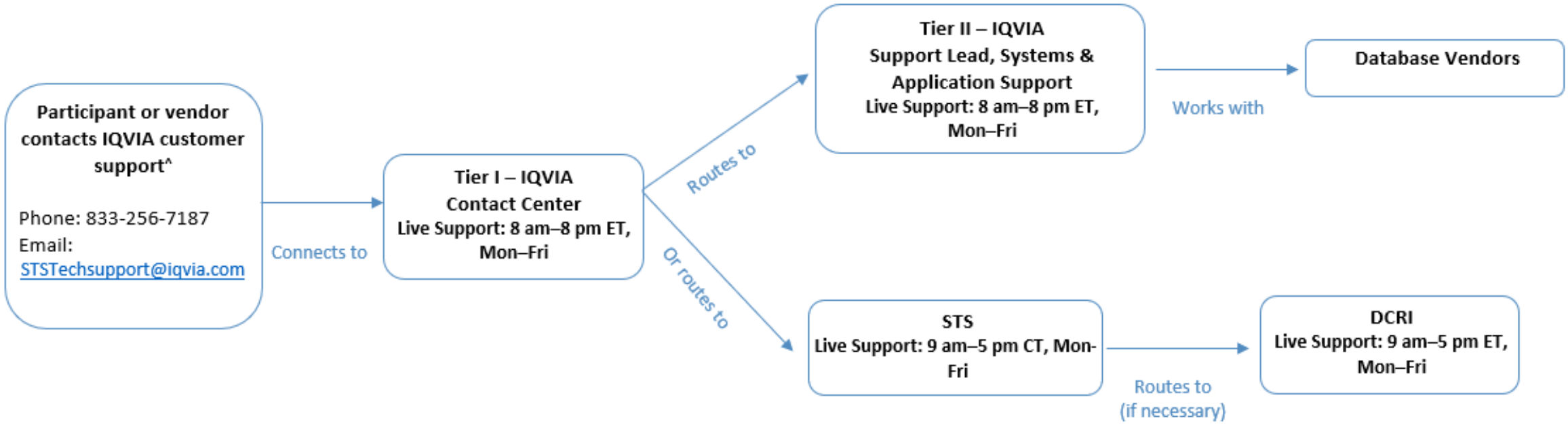
Variable	PID 2015	PID 2016	PID 2017	STS Jan 15-Dec 17
Total Number of Operations	346	390	444	132493
No Primary Procedure Information	0%	0%	0%	0.1%
Overall (Missing any of the Required Fields)	4%	2.1%	1.6%	2.7%
Missing Age	0%	0%	0%	0%
Missing Gender	0%	-	0%	0%
Missing Patient's Race Documented	2.6%	3.1%	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



^ 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 – CX due to Holiday

- November 25 @ 2:30pm CT

Monthly Webinar

- December 9 @ 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!