



STS National DatabaseTM

Trusted. Transformed. Real-Time.



Society of Thoracic Surgeons

General Thoracic Surgery Database
User Group Call

September 22, 2021



GTSD Monthly Webinar

- Welcome and Introductions
- STS Update
- Spring/Fall 2020 Analysis
- IQVIA Update
- User Feedback
 - Include Ticket Number/Case Number



General Thoracic Harvest Announcement

- Fall 2021 Harvest Close Extended!!
 - New close date is **Friday, October 22** @ 11:59pm ET
 - Opt Out by **Tuesday, October 26th**

STS Updates

- Spring and Fall 2020 Analysis Now Available in IQVIA Dashboard
 - Email notification was sent Tuesday, September 21st
- Spring 2021 Analysis expected to be released week of 9/27
 - Email notification will be sent to Participants once posted
- September Training Manual Updates in Progress!!!



Spring and Fall 2020 Report Analysis

Spring and Fall 2020 Report ReRun

- The analytic center:
 - applied the wrong thresholds to the fields used to determine the mortality missingness. This impacted:
 - Overall Composite Score (Lung and Esophagus)
 - Absence of Mortality
 - Absence of Major Complications
 - Was not counting 'unknown' as missing for the mortality fields
- Time Frame Impacted: Spring and Fall Reports for 2020
- Number of sites Impacted: 83



Spring and Fall 2020 Analysis

- Prior to report posting, STS reached out to sites that were directly impacted
 - Letters were sent to the following:
 - Participants that did not receive a Star Rating for:
 - Spring and Fall
 - Spring Only
 - Fall Only
 - Participants with a Star Rating Change for:
 - Spring and Fall
 - Spring Only
 - Fall Only
- After report release, STS informed all sites of the update

Sites Impacted

No Star Rating for Both Spring and Fall Harvests	32
No Star Rating for Spring Harvest Only	22
No Star Rating for Fall Harvest Only	19
Star Rating Change in Both Spring and Fall Harvests	1
Star Rating Change in Spring Harvest Only	3
Star Rating Change in Fall Harvest Only	6
Total Individual Emails Sent	83

So, What Changed in the Analysis?

- DCRI applied corrected % missingness threshold

	2017	2018	2019
PAST Thresholds	10%	5%	2%
Updated Thresholds	2%	2%	2%

- MT30Stat marked as ‘unknown,’ was considered as missing (previously it was not considered missing)

How is the % Missingness Threshold Calculated?

Missing Data

Missing data thresholds are calculated based upon the total population eligible for reporting (all records submitted by a Participant) and are **NOT computed based upon separate composite populations.**

If one or more of the Operative Mortality fields (**MtDCStat**, **Mt30Stat**) is missing or coded as "unknown", a record is considered as incomplete and will be excluded from the mortality analysis. Participants who do not meet the Operative Mortality related data completeness thresholds are not eligible to receive a composite score/risk adjusted analysis/star rating.

Mortality status at discharge is obtained from the variable **MtDCStat**. Operative Mortality is defined as in hospital death or death within 30 days of surgery and is obtained from the variables **MtDCStat** and **Mt30Stat**.

Participants must meet the percent missing threshold for each calendar year whether full or partial based on the harvest reporting period start and end dates.

- Surgery year 2017 (and greater) - Operation records where percent missing exceeds 2% for MtDCStat and Mt30Stat

Fall reporting period missingness thresholds are calculated on the last and first 6 months of the calendar years. For example, the Fall 2020 reporting period includes OR dates of 7/1/2017 – 6/30/2020. If a Participant's missingness exceeds 2% for the last 6 months of 2017, they will not receive a composite rating/risk adjusted results. If a Participants missingness exceeds 2% for the first 6 months of 2020, they will not receive a composite rating/risk adjusted results.



But....I'm not seeing this missing data in the IQVIA Dashboard

- It's important to remember this data was missing at the time of the harvest close.
- If you updated data after the harvest close dates below, it was not updated in the data sent for analysis at the time of harvest close.
- Spring 2020 harvest closed on July 23, 2020
 - Snapshot of data set taken on **April 8** and sent to DCRI for analysis
- Fall 2020 harvest closed on September 25, 2020
 - Snapshot of data set taken on **September 30** and sent to DCRI for analysis



Next steps....

STS/IQVIA can provide you with a list of the record ids that had missing data at the time of harvest close

- Review and clean up records as needed
 - Some of the records may have already been cleaned up and resubmitted since harvest close
- Run internal data quality checks on Operative Mortality Variables
 - MtDCStat
 - Mt30Stat
 - If Mt30Stat is coded as 'unknown' this record is counted as incomplete and will be considered as having missing data.

Utilize IQVIA Reports for cleanup

- Participant Dashboard (will identify records where Mt30Stat = Unknown)
- Missing Variable Report

Resubmit updated records if needed

- These updates will be applied in the Fall 2021 Analysis

2021 Advances in Quality and Outcomes: A Data Managers Meeting



ADVANCES IN QUALITY & OUTCOMES:
A Data Managers Meeting
October 12-15, 2021 ■ VIRTUAL



October 12, 2021 - October 15, 2021

Virtual Meeting

Registration is open!

The 2021 Advances in Quality & Outcomes (AQO): A Data Managers Meeting features sessions for all four components of the STS National Database. Surgeon leaders and data managers will gather during AQO this year – virtually – to share valuable research and important clinical findings with the goal of improving data collection and patient outcomes. Each day is dedicated entirely to one registry:

- Tuesday, October 12 – Intermacs/Pedimacs
- Wednesday, October 13 – General Thoracic
- Thursday, October 14 – Adult Cardiac
- Friday, October 15 – Congenital

A detailed agenda with speakers and session times will be available in the coming weeks.

Registration is free for STS National Database participants.*

Please [provide your contact information](#) if you would like to receive updates.

[View the Preliminary Agenda](#)

[Add Calendar Reminder](#)



Pricing

Registration is required for all attendees. Your registration entitles you to participate in any or all of the meeting days.

STS National Database Participant*	FREE
General Attendee Multiday – STS Member	\$300
General Attendee Multiday – Non-Member	\$400

If you are not an STS National Database participant, you will need an STS Member ID in order to receive the discounted member rate. For help with your STS Member ID, [contact Member Services](#).

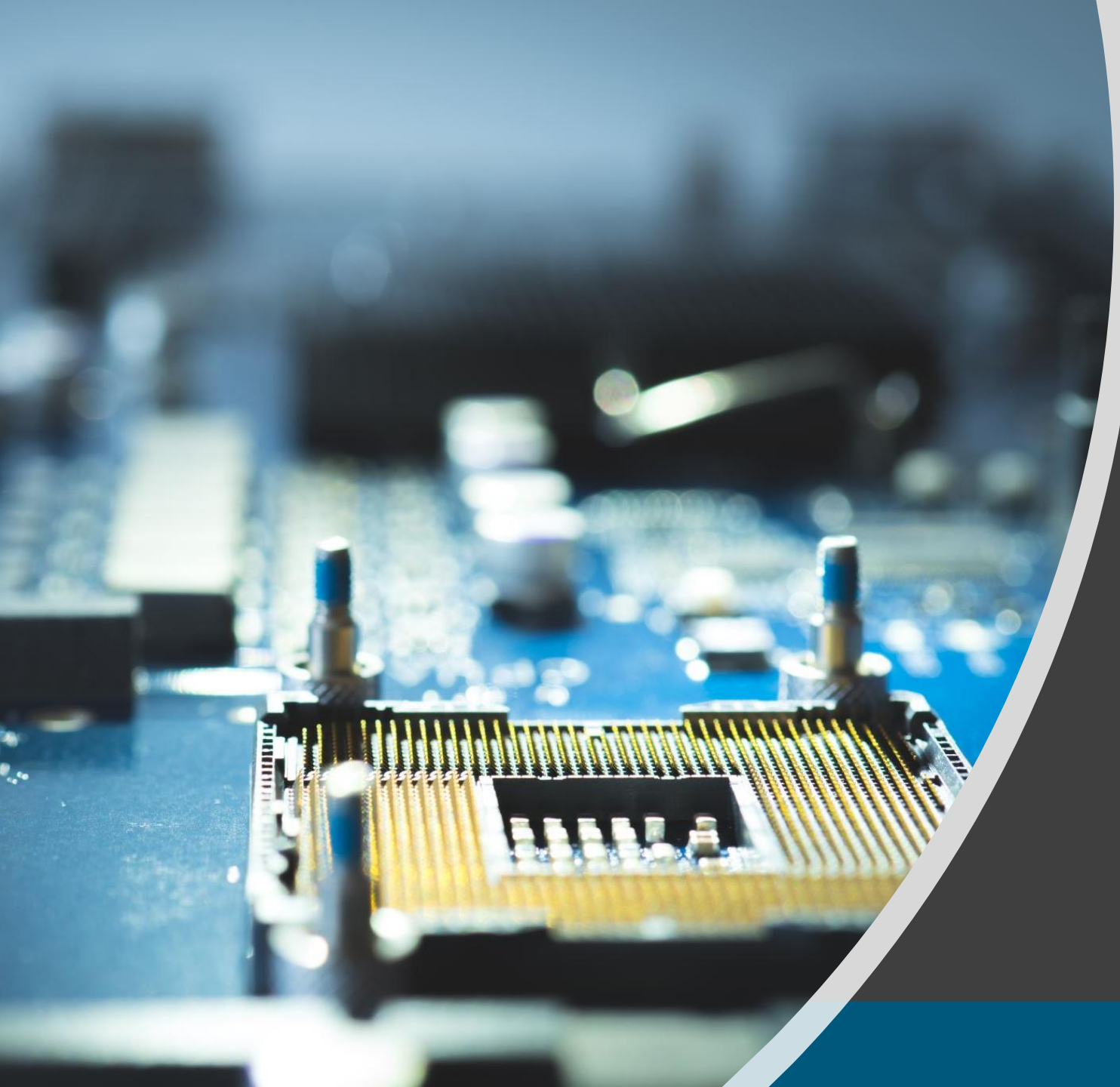
***To receive free registration for AQO**, you must be an STS National Database Participant assigned to one of these roles:

- **Adult Cardiac, General Thoracic, and/or Congenital Heart Surgery Databases:** Surgeon Representative, Participant Surgeon, Anesthesiologist Representative, Anesthesiologist, Primary Data and File Contact, Primary Direct Data Entry Contact, Backup Data and File Contact, Backup Direct Data Entry Contact, Data Quality Report Recipient, or National Report Recipient.
- **Intermacs:** Physician Representative, Site Administrator, Backup Site Administrator, or Data Entry Coordinator.

The [STS Participant Contact Form](#) allows STS National Database participants to add or update the contact information on file for their institutions. It is essential that you keep your contact information up to date so that you receive important updates regarding AQO registration. For help confirming that you qualify for free registration, contact the [STS National Database team](#).

Questions?

- **Registration:** [Amy Cacich](#), Meetings and Conventions Manager



IQVIA Review Melanie Bent

September 2021 Release Update

IQVIA Release Update – September 2021

STATUS: Released to Production the weekend of **Sept. 18th**

Risk Adjusted and Benchmark Report

Spring 2020 and Fall 2020 GTSD Risk Adjusted Report Results are **now available** in the IQVIA Platform.

Uploader & Direct Data Entry (DDE) Validations

- **STS-7250** – Removed the decimal validations for identified 5.21.1 GTSD variables. Please note, this does not apply to previous form versions.

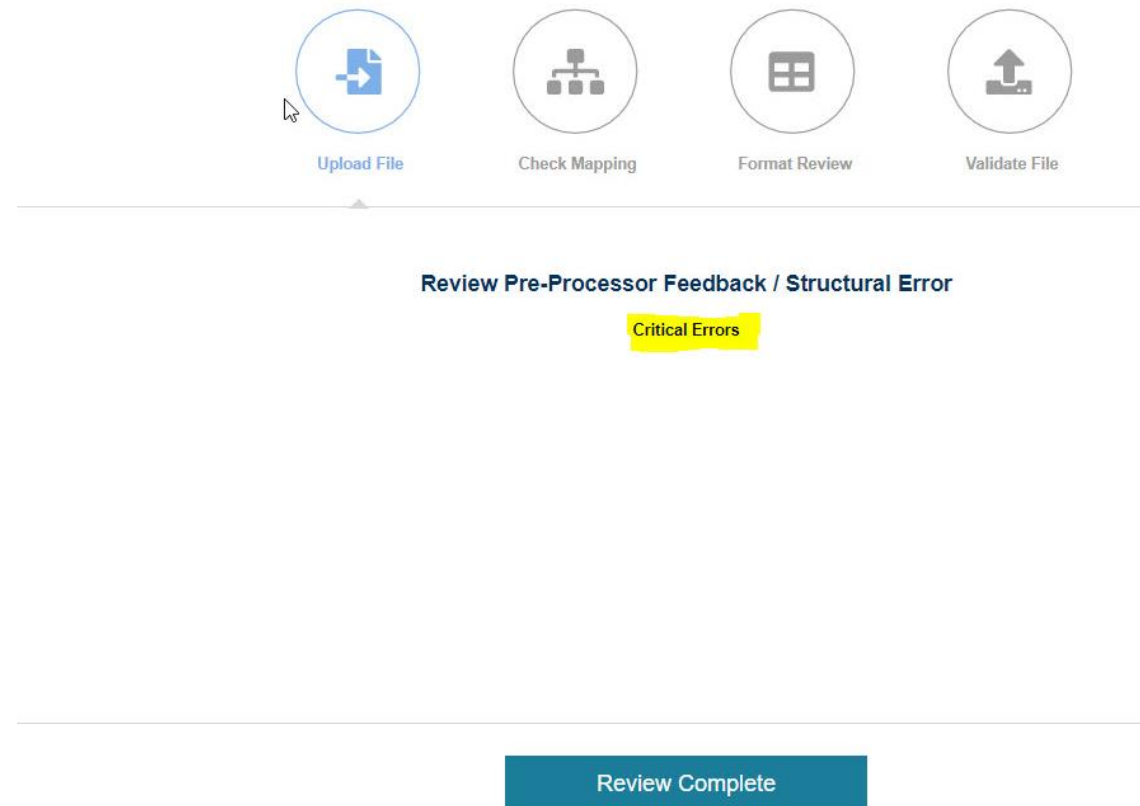
September 2021 Release Update

IQVIA Release Update – September 2021

PRODUCTION STATUS: Will be released September 23, 2021

Uploader

STS-7337 – Sites are reporting critical errors which are preventing them from uploading files to the IQVIA platform.



IQVIA Known Issues Sept. 2021

IQVIA Known Issues

The items below are currently under review by the IQVIA development team and will be targeted for a future release.

Release Timing: TBD

Uploader & Direct Data Entry (DDE) Validations

- **STS-7157** – Request to reduce the number of critical errors for direct data entry users

Risk Adjusted Dashboard Report

Number of Operations and Mortality Report – Operative Mortality – Number of Mortalities

- **STS-6921** – The report is currently displaying a mismatch in the number of records that appear in the patient drill down

STS/NIS Comparison Report

- **STS-6927** – Mean Length of Stay for STS database is displaying an extreme time period (*IQVIA and DCRI are currently working on this item*)

Missing Data Summary Report

- **STS-6817** – Missing Data Summary displaying missing records for “Missing Forced Expiratory Volume Performed” when values were entered prior to harvest

IQVIA Known Issues Sept. 2021

IQVIA Known Issues

The items below are currently under review by the IQVIA development team and will be targeted for a future release.

Release Timing: TBD

Participant Dashboard Report (non-analyzed)

- **STS-6995** – Participant Dashboard Report displays different percentages when exported to MS Excel

Missing Variable Report

- **NEW** - STS-7348** – Missing Variable Report – The MT30STAT variable will be updated to display the option of Unknown (harvest code = 3) as missing on the report.
- **STS-7050** - Missing Variable Report - The LFUDATE and LFUMORTSTAT was reported as missing when the record is associated with an earlier demographic data version (2.2, 2.081, 2.07, 2.06)
- **STS-7100** – Missing Variable Report – The report is flagging the Racemulti field as missing within the 5.21.1 data version
- **STS-7278** – Missing Variable Report – Update the MVR report logic to include the missing check for the COVID19 variables (TempCode) and (TempDate)

Registry Configuration

- **STS-7247** - Update the demographic data version validation check to include consideration of the 5.21.1 and previous data versions (2.41 and 2.3) and allow RaceMulti field to save individual race responses as entered.
 - Example, user enters new patient demographic form using 5.21.1 version but is creating a case record that has a procedure date that falls into the 2.41 data version

IQVIA Update

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

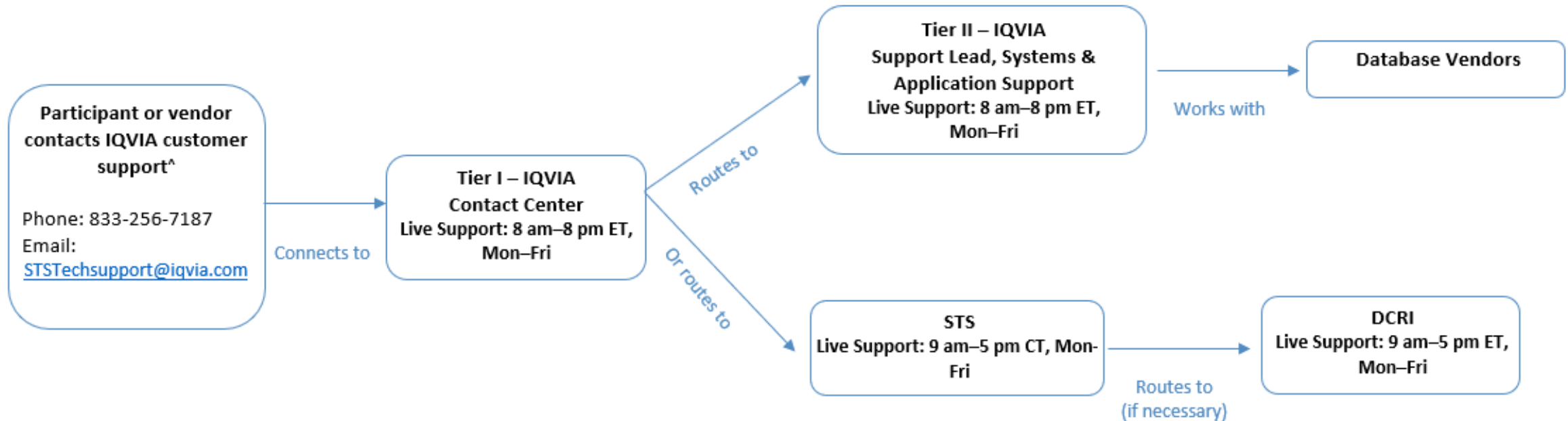
The IQVIA Team is currently reviewing items to be targeted for an upcoming release. Those items will be posted to the Notifications section.

STS/IQVIA Support Plan



IQVIA's Support Plan

****Please include your 5 digit Participant ID**



^ 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*

WHERE

WHAT

WHEN

WHY

HOW

WHO

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

Upcoming GTSD Webinars

New Data Manager Webinar

- September 29 @ 2pm CT

Monthly Webinar – Canceled

- October 13 @ 2:30CT

User Group Call

- October 27 @ 2:30CT



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!