

Society of Thoracic
Surgeons

Congenital Heart
Surgery Database
Monthly Webinar

February 16, 2021

The logo for the STS National Database is centered within a large white circle. It features the text "STS National Database" in a bold, sans-serif font, with "STS" in red and "National Database" in dark blue. A small trademark symbol (TM) is positioned to the upper right of the word "Database". Below this, the tagline "Trusted. Transformed. Real-Time." is written in a smaller, dark blue, sans-serif font.

STS National DatabaseTM
Trusted. Transformed. Real-Time.

- Welcome and Introductions
- STS Update
- IQVIA Update
- User Feedback

AGENDA



STS Updates

- **2021 Harvest Schedule Posted on STS website**
 - <https://www.sts.org/registries/sts-national-database/harvest-schedule-and-information>
 - Spring 2021 Harvest close is **TBD**
 - **Please continue using open submission and cleaning your data**
 - **STS will give Participants a minimum of two weeks notice prior to harvest close date**
 - Includes procedures up through 12/31/2020
- **Primary Procedure Mismatch Report**
 - Important first step – review Report Overview (IQVIA Library) to understand its currently functionality
 - Primary Procedure assignment occurs **in analysis at DCRI**
 - IQVIA does NOT change your data
- **CHSD Public Reporting**
 - No Public Reporting of the 2020 data
 - New Workgroup being convened to plan the future of STS CHSD public reporting and risk modeling
 - More information coming soon!
- **STS Mentorship Program**
 - Pairs experienced Data Managers with new Data Managers
 - For more information contact Adie Dolan (adolan@sts.org)
 - We need both mentors and mentees!!
 - <https://www.sts.org/registries-research-center/sts-national-database/sts-national-database-mentorship-program>

2021 STS Annual Meeting Highlights

- **Thomas B. Ferguson Lecture**
 - “Personal Reflections from COVID-19”
- **Vivien T. Thomas Lecture**
 - “The Long Shadow of Racism and Racial Bias in the Lack of Diversity”




The screenshot shows the homepage of The Society of Thoracic Surgeons. At the top, there is a navigation bar with links for "About STS", "Membership", "Industry", "Media", "Patients", "Log In", and social media icons. Below this is a secondary navigation bar with links for "STS National Database", "Donate to TSF", and a search bar. The main navigation bar includes links for "Learning Center", "Meetings", "Quality & Safety", "Registries", "Research Center", "Advocacy", "Publications" (which is circled in red), "Resources", and "COVID-19". On the left side, there is a sidebar menu with links for "The Annals of Thoracic Surgery", "STS News", "STS National Database News", "STS Advocacy Monthly", "STS International Connection", "STS Candidate Connection", "Videos", and "Podcast Episodes" (which is highlighted in green). The main content area is titled "Podcast Episodes" and contains text about the Society's podcast, "Surgical Hot Topics". It lists two episodes: "#85: STS 2021: Thomas B. Ferguson Lecture" and "#84: STS 2021: Vivien T. Thomas Lecture". Each episode entry includes a date, a description, and a video player. The video player for the Thomas B. Ferguson Lecture is currently at 0:00. The video player for the Vivien T. Thomas Lecture is also at 0:00.

Did you know about The STS Patient Website?

- <https://ctsurgerypatients.org/>
- Offers immediate and easy access to expert multimedia content on cardiothoracic diseases and operations.
- If you interact with patients at your institution, please share this valuable resource



The Society of Thoracic SurgeonsEnglish | Spanish

The Patient Guide to Heart, Lung, and Esophageal Surgery

A Website Presented by Cardiothoracic Surgeons Committed to Improving Patient Care

Adult Heart Disease


Pediatric and Congenital Heart Disease

Lung, Esophageal, and Other Chest Diseases

Procedures

Before, During, and After Surgery

BLOG
News & Trending Topics
What Is a Cardiothoracic Surgeon?
Resources



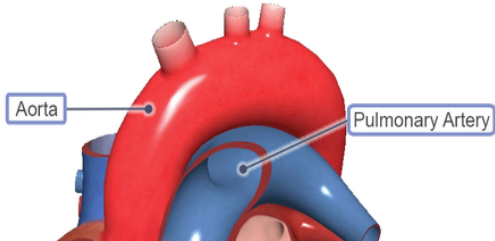
Ventricular Septal Defect Surgery

Ventricular Septal Defect Surgery

What is ventricular septal defect surgery?

A ventricular septal defect (VSD) is a common heart defect that affects an estimated 42 out of every 10,000 babies born annually, according to the US Centers for Disease Control and Prevention. With a VSD, there is an abnormal opening in the wall between the main pumping chambers of the heart (the ventricles).

In normal development, the walls (septum) between the heart chambers connect, separating the four chambers before the baby is born. But sometimes, this doesn't happen. When there is a hole, blood is allowed to pass from the left side of the heart to the right side, causing too much oxygen-rich (red) blood to get pumped back to the



The Ventricular Septal Defect (VSD) Surgery Page

- Provides detailed information on causes and symptoms, diagnosis and treatment options
- Information on what to expect after surgery
- Downloadable handouts available for patients
- STS patient website contact is Jennifer Bagley (jbagley@sts.org)



Day of Congenital Heart Surgery

Day of Congenital Heart Surgery ▼

You should have received specific instructions for your child during the pre-operative work-up. Be sure to arrive promptly, trying to get there a few minutes before you are scheduled to arrive.

After you arrive at the hospital, go to the Pre-operative Admitting Area. Once admitted, your son/daughter will change into hospital pajamas. The anesthesiologist will speak with you before the surgery. Your child may be given medicine to help him/her relax.

A nurse from the Heart Care Team will accompany your child to the operating room. After your son/daughter has been taken to the operating room, please go to the designated parent waiting area. The surgeons will meet with you there after the operation.



THE HEART CARE TEAM

Many people at your child's hospital help to care for your son/daughter before, during, and after surgery. Here are a few of the team members you may meet:

Cardiothoracic Surgeon

Heads the team that will perform your child's heart surgery and also is your child's attending doctor during the hospital stay.

Overview

The Heart Care



The background features a blurred image of a blue printed circuit board (PCB) with various electronic components and gold-colored connectors. Overlaid on this are several large, semi-transparent geometric shapes: a large light blue diamond, a smaller white diamond nested within it, and various triangles in shades of blue, grey, and yellow at the bottom.

IQVIA Update Joe Brower

IQVIA February 2021 Release Update

The item below were released to production the weekend of February 13, 2021.

NOTE: The below update and a list of all of the updated validations were posted to the Notifications section for reference.

Platform Updates

Data Quality Report

STS-5555 – Identified CHSD Validations will be updated from an error severity to a critical severity to improve data quality.

The below list of validation checks will now appear as a **critical error** for 3.3 and 3.41 data versions:

- Surgery date cannot be later than current date.
- Date of Birth cannot be later than Surgery Date.
- Date of Birth cannot be later than current date.
- Date of Last Follow-Up cannot be later than current date.
- Admission date cannot be later than current date.
- Admit date cannot be later than Discharge date.
- Admit date cannot be later than Surgery Date.
- Intubation Date/Time cannot be later than current date.
- Initial Extubation Date/Time cannot be later than current date.
- Final Extubation Date/Time cannot be later than current date.
- Date of Database Discharge cannot be later than current date.
- Readmission Date cannot be later than current date.

The below list of validation checks will now appear as a **critical error** for 3.3 and 3.41 data versions:

- Review Date cannot be later than current date.
- Date and Time of Transport to Procedure Location Or Anesthesia Start Time cannot be later than current date.
- Date and Time of Induction cannot be later than current date.
- Date and Time of ICU/PACU Arrival cannot be later than current date.
- OR Entry and Exit times are inconsistent.
- Mortality Date cannot be later than current date.
- Mortality Date cannot be less than Discharge Date.
- Mortality Date cannot be less than Surgery Date.
- Mortality Date cannot be less than Date of Last Follow-up.
- Mortality Date cannot be less than Date of Birth.

Upcoming IQVIA February 2021 Release Update

The item below are targeted to be released to production the weekend of Feb 27, 2021.

Missing Variable Report

STS-5474 – MVR showing "ProCmplxCon3Ds3" as missing in the report even though field is not active on the case form.

CHSD Participant Dashboard Report

STS-5484 – STAT 4 filter is excluding cases assigned to **LV Endocardial Fibroelastosis resection(3390)** and **Double root translocation(3400)**

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 that will be released in an upcoming release. Those items will be posted to the Notifications section.



Primary Procedure Mismatch Enhancements

Items below are targeted to be released weekend of February 27th for the Primary Procedure Mismatch Report

Primary Procedure Mismatch Report

STS-4386 – Report logic will be updated to include consideration for identified combination codes for primary procedure

STS-4371 – Add Kawashima procedure to the exception 1 code list for code list for consideration

STS-4387 – Report logic will be updated to consider the Kawashima procedure as the primary when coded in conjunction with a Glenn or Hemifontain procedure so it is never downgraded

Primary Procedure Mismatch Enhancements

CON'T - Items below are targeted to be released weekend of February 27th for the Primary Procedure Mismatch Report

Primary Procedure Mismatch Report

STS-4389 – Report logic will be updated to include specific rule for 3 identified VSD repairs when selected in combination with a PFO, Primary closure procedure

STS-4388 – Report logic will be updated to include specific “hybrid approach” codes to the exception rule 1 procedure specific factor lists

Hybrid Approach "Stage 1", Application of RPA and LPA bands (2160)

Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) (2170)

Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA (2180)

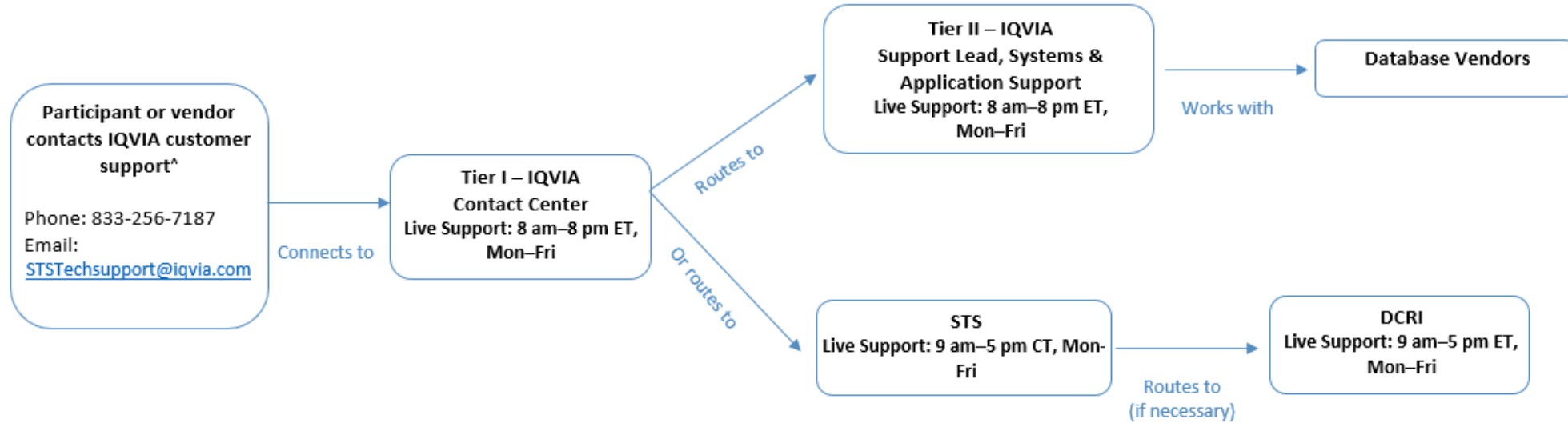
Primary Procedure Mismatch Report Defect

STS-5471 – report displaying mismatch between TOF repair, No ventriculotomy (350) and RVOT procedure (510), this will be resolved with the report enhancements.

IQVIA Support Plan



Please include your Participant ID



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

Upcoming CHSD Webinars

User Group Call

- February 23 @ 12pm CT

User Group Call

- March 9 @ 12pm CT

Monthly Webinar

- March 16 @ 12pm 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!

STS National Database™

Trusted. Transformed. Real-Time.

THANK YOU FOR JOINING!