

Society of Thoracic Surgeons

Congenital Heart Surgery Database Monthly Webinar

September 15, 2020



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Agenda

- Welcome and Introductions
- Housekeeping
- STS Update
- IQVIA Update
- Q&A - Please submit using the Q&A function

Housekeeping

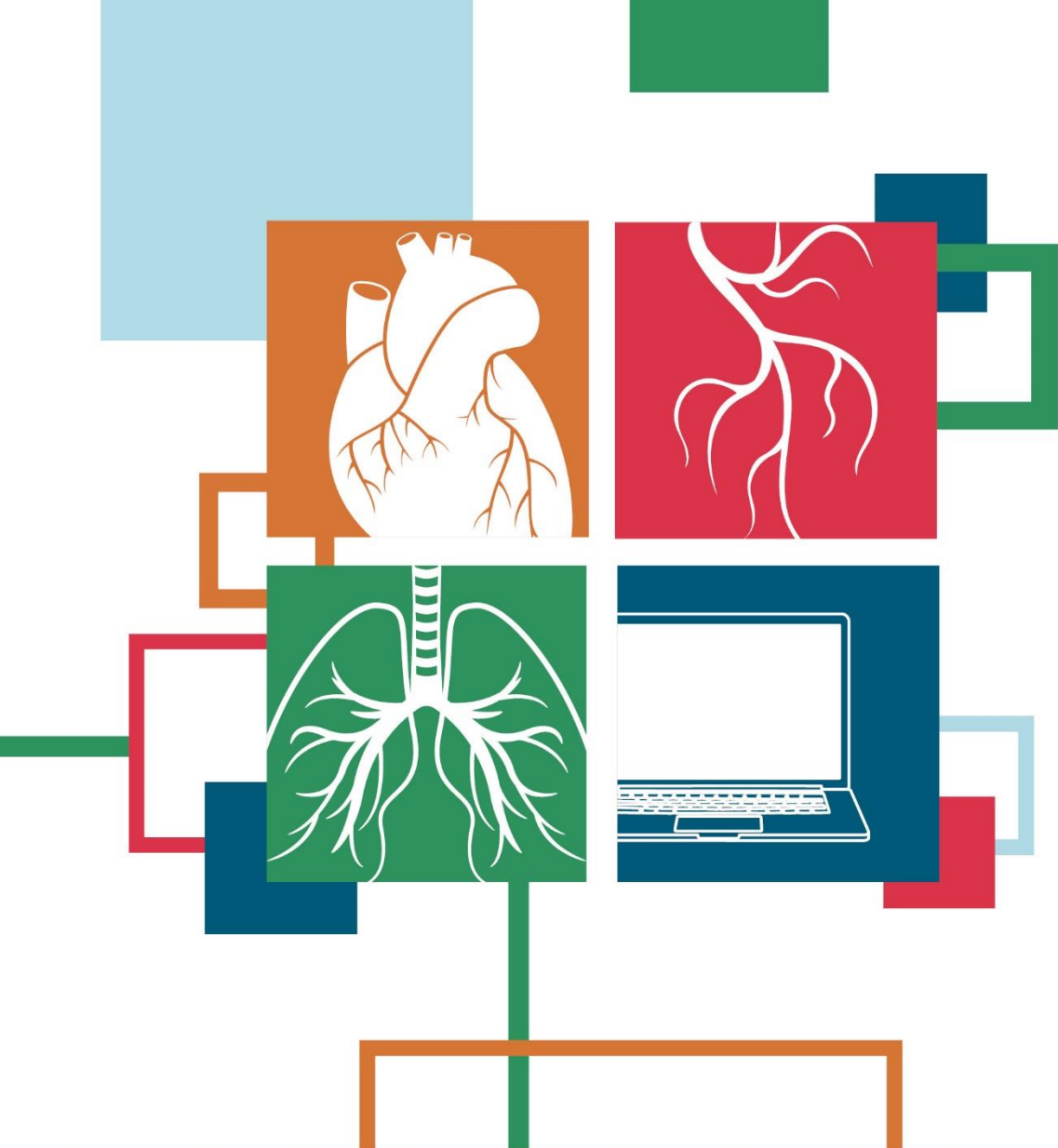
September Training Manual

Rules for Determining Primary Procedure

CHSD Data Version Upgrade

CHSD Spring/Fall 2020 Harvest Update

- Spring/Fall Harvests combined for 2020
 - Submission deadline: Friday, October 16, 2020
 - Opt-out date: Tuesday, October 20, 2020
 - New Reports Available/Coming Soon
 - **Mortality Eligibility Summary**
 - **Primary Procedure Mismatch (9/26)**
- ONE analysis/report for 2020
 - **Surgery Dates included: 7/1/2016 - 6/30/2020**
- STS Public Reporting will resume in 2021



ADVANCES IN QUALITY & OUTCOMES: A Data Managers Meeting

September 29 – October 2, 2020 ■ VIRTUAL



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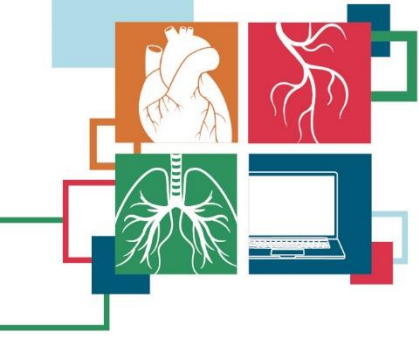
**Receive Early Bird
Registration
Pricing through
Monday,
September 7, 2020.**

Pricing

	Member		Non-Member	
	Early Bird	After Sept. 7	Early Bird	After Sept. 7
Tuesday, September 29: Intermacs/Pedimacs	\$75	\$150	\$100	\$200
Wednesday, September 30: General Thoracic	\$75	\$150	\$100	\$200
Thursday, October 1: Adult Cardiac	\$75	\$150	\$100	\$200
Friday, October 2: Congenital	\$75	\$150	\$100	\$200
Multiday or All Days	\$150	\$300	\$200	\$400



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On the AQO Webpage you will find the following information:

- Request Justification Letter
- AQO Overall Objectives
- Preliminary Program
- Link to Registration or Mail-In Form
- Link to Abstract Submission

Contact **Emily Conrad** at econrad@sts.org with Program Related Questions.

Contact **Amy Cacich** at acacich@sts.org with Registration Questions.

Continuing Education Credits

STS is partnering with Corexcel to offer Nursing CEs and Perfusion CEUs. The number of available CEs and instructions for claiming credit will be shared closer to the event.

Virtual Platform

AQO will offer both on-demand and live sessions. There will be an opportunity to ask questions through a Q&A function.



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IQVIA Update

Joe Brower



September 2020 – Release Update

Items below were released on September 12, 2020:

Missing Variable Report

- STS-3356 – CHSD Missing Variable Report displaying MT365STAT variable incorrectly – 1 year logic should be applied
- STS-3389 – CHSD Chromosomal Abnormality – Other –Specify is missing, updated logic required to validate on demodataversion
- STS-3501 – CHSD Dashboard – update logic to exclude cases in the missing percent calculation for the operative mortality variable if the patient still in hospital variable is set to Yes
- STS-3641 – CHSD Dashboard Report – OpType section is no longer appearing in the dashboard

September 2020 – Enhancements

Update for Existing Reports

CHSD Participant Dashboard Report

- STS-3425 - CHSD MVR and Dashboard Reports – Updating the Premature Birth label

October 2020 – Upcoming Release

Items below are targeted for the October 10th release.

- STS-3662 – Updating the Harvest Summary Report to display total number of cases for quick reference
- STS-3122 – Updating the Harvest Summary Report to display the surgery date range for quick reference
- STS-3560 – CHSD MVR – Surgeon Name displaying as missing but information is listed in the case
- STS-3565 – CHSD MVR Fields not reflected on MVR (CPBTm and more)
- STS-3407 – CHSD MVR indicates Valve Explant Model #4 variable is missing, (ValEx4) parent value should be considered
- STS-3609 – CHSD Add validation check for Autologous check for Optype in 3.3 version
- STS-3225 – CHSD Missing Variable Report displaying Autologous Transfusion
- STS-3604 – CHSD MVR Report Variables (site specific questions)
- STS-3587 – TRANSFUSBLDPRODGT24 Missing Variable appearing when answer is set to No

The IQVIA team is currently reviewing submitted requests and will follow up with users regarding their tickets once they have further updates.

IQVIA New Reports

Rhonda Murphy



Upcoming CHSD Reports



*** September 2020** (Released 9/12)

Case Eligibility for Inclusion in Mortality Analysis



*** September 2020** (Upcoming 9/26)

Primary Procedure Mismatch Report



Risk Adjusted
Dashboard

(based on DCRI
Risk Adjusted
Harvested Data)



Operational Reports – Now Available

Mortality Eligibility Summary

Welcome,
Rhonda Murphy

Currently Viewing

Congenital Heart Surgery Database
DEMO-99999 – 99999

PLATFORM

Cases

Upload

Form Management

Notifications

ANALYTICS

Operational Reports

RESOURCES

Library

ACCOUNT

My Account

Log out

Operational Reports

Missing Variable Report

[Missing Variable Report](#)
This report identifies important field-specific data quality issues that affect the completeness of your harvest and may impact analysis and reporting of your data in the National Report. The data version, surgery year, short name and field name are shown for each issue to help you target and prioritize your data review and clean-up activity. Information on missing data is only reported for variables used in reports or risk-adjustment models.

CHSD Participant Dashboard Report

STS Reports

Data Download Report

Primary Procedure Mismatch and Mortality Eligibility Summary Report

[Primary Procedure Mismatch and Mortality Eligibility Summary Report](#)
The Primary Procedure Mismatch report will identify operation records where the primary procedure that was assigned by the Participant does not match the Primary Procedure assigned by the Data Warehouse. The Case Eligibility for Inclusion in Mortality Analysis report will provide users with a summary of all cases that are identified as ineligible for risk analysis.



Case Eligibility for Mortality Analysis Report

- Inpatient records are included in the Total Number of Records
- Inpatient records are NOT included in the Number of Ineligible Cases results.
- Inpatient records are NOT included in the %Missing or “Unknown” results.
- Inpatient records are defined with the following criteria:
 - *Mortality Status at Database Discharge = **Unknown or Missing** AND **Database Discharge Date = **Missing**

Parameters

Select Harvest Surgery Date Range

07/01/2016 to 06/30/2020

Filters

Type to search filters

Op Type 1 & 2 Case Eligibility

Surgery Year

☒ 2016

☒ 2017

☒ 2018

☒ 2019

☒ 2020

Patient ID

Type to search in list

(All) 40 values

V928001

V928002

V928003

V928004

V928005

V928006

Ineligible or Eligible

☒ Eligible

☒ Ineligible

Missing Mortality Yes/No

☒ Yes

☒ No

Data Version

☒ 3.3

☒ 3.41

Op Type 1 & 2 Case Eligibility Summary Report

Op Type 1 & 2 Case Eligibility Summary

Surgery Year	Surgical Date Range	Total Number of Records	Number of Ineligible Cases	% Missing or "Unknown"
2016	01 Jul 2016 - 31 Dec 2016	6	5	83.33
2017	10 Feb 2017 - 15 Dec 2017	4	3	100.00
2018	01 Jan 2018 - 31 Jan 2018	2	2	100.00
2019	01 Jan 2019 - 31 Dec 2019	26	15	71.43
2020	03 Jan 2020 - 10 Jan 2020	2	1	50.00
Grand total		40	26	76.47

Op Type 1 & 2 Case Eligibility Record Details

Data Version	Surgery Year	Operation ID	Patient ID	Ineligible or Eligible	Hospital Discharge Status	Database Discharge Status	30-day Status	Operation Type	Date of Admission	Access Case
3.3	2016	0928044	V928044	Ineligible	X	X	X			https://sts-1-
3.3	2016	0928081	V928081	Ineligible	X	X	X			https://sts-1-
3.3	2016	0928080	V928080	Ineligible	X	X	X			https://sts-1-
3.3	2016	0928050	V928050	Eligible						https://sts-1-
3.3	2016	0928043	V928043	Ineligible	X	X	X			https://sts-1-
3.3	2016	0928082	V928082	Ineligible	X	X	X			https://sts-1-

Primary Procedure Mismatch Summary Report

Op Type 1 & 2 Case Eligibility Summary Report

Report Notes:

- For the Report Overview, please navigate to the Library for further reference.
- 'Unknown' value treated as missing
- One of the following variables are missing or unknown:
 - Mortality variables:
 - Mortality Status at Hospital Discharge (SeqNo. 4230 for both versions)
 - Mortality Status at Database Discharge (SeqNo. 4250 for version 3.3) and (SeqNo. 4260 for version 3.41)
 - Status at 30 days after surgery (SeqNo. 4300 for both versions)
 - Non Mortality variables:
 - Date of Admission (SeqNo. 780 for both versions)
 - Operation Type (SeqNo. 1056 for both versions)
 - The following variables are required to save an operation record to the database: Date of Surgery (Surgdt), Primary Diagnosis (PrimDiag), and Primary Procedure (PrimProc) and therefore will not be flagged as missing or unknown.
- Inpatients are included in the total case count column results. Inpatients are excluded from the Number of Ineligible cases and the %Missing or Unknown column calculations.



*Mortality Status at Database Discharge: MtDBDisStat (seq. 4260)
**Date of Database Discharge: DBDischDt (seq. 4250)

CHSD Harvest Checklist Review

Melanie Bent



CHSD Harvest Close Checklist

☐ Upload procedures for the identified reporting period for the harvest

Steps to Clean Up Your Data

☐ Review the Data Quality Report

☐ Review critical errors; if encountered, resolve those errors to allow the identified records to save successfully to the data warehouse

☐ Review error and warning messages; if encountered, resolve the errors related to analyzed patient records

☐ Review the Critical Summary Report

☐ Enter the submission date range

☐ Review specific submission details related to total number of records submitted to the data warehouse, successful, failed, and records not updated

CHSD Harvest Close Checklist

Steps to Clean Up Your Data Con't

☐ Review the Harvest Summary Report

- ☐ Enter the surgical date range
- ☐ Review outstanding errors and warnings in a single report; this report is holistic and not submission specific

☐ Review the Missing Variable Report

- ☐ Enter the surgery date range to review variables identified as missing
- ☐ Review identified variables and make updates within software vendor system
- ☐ Once updates are made, export file and upload to IQVIA
- ☐ Re-run report to review updates to confirm items are addressed

CHSD Harvest Close Checklist

Steps to Clean Up Your Data Con't

- ☐ Review the Case Analysis for Mortality Inclusion Report
 - ☐ Enter the surgical date range
 - ☐ Review outstanding errors and warnings in a single report; this report is holistic and not submission specific
- ☐ Review the Primary Procedure Mismatch Report
 - ☐ Enter the surgery date range to review variables identified as missing
 - ☐ Review identified variables and make updates within software vendor system
 - ☐ Once updates are made, export file and upload to IQVIA
 - ☐ Re-run report to review updates to confirm items are addressed

CHSD Harvest Close Checklist

Reviewing the Full Picture

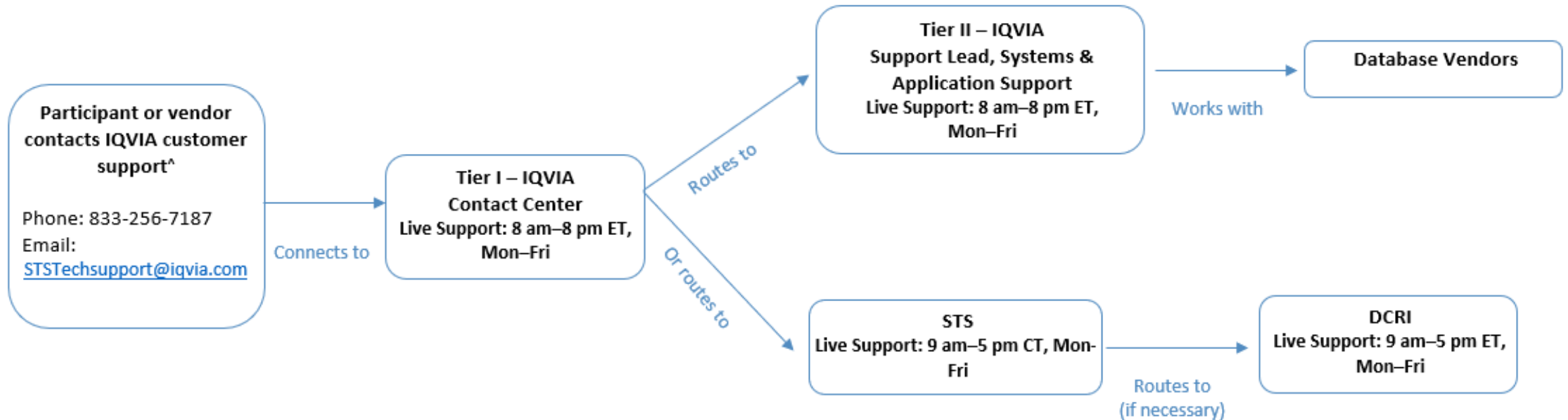
☐ Review the CHSD Participant Dashboard Report

- ☐ Enter the required report parameters (date, procedures, age and index)
- ☐ Review the available report sections to analyze results based on the patient records that are available within the data warehouse
- ☐ Review the breakdown analytics of different areas such as:
 - ✓ Operation Types
 - ✓ Mortality Status at Hospital Discharge
 - ✓ Status at 30 Days after Surgery
 - ✓ Operative Mortality

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 CHSD Webinars

User Group Call

- September 22 @ 12pm Central

User Group Call

- October 6 @ 12pm Central



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!