Society of Thoracic Surgeons

Congenital Heart Surgery Database
User Group

September 8, 2020
Agenda

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

September Training Manual

CHSD New Data Manager Webinar Series
Spring/Fall Harvest Update

- Spring/Fall Harvests combined for 2020
  - Submission deadline: Friday, October 16, 2020
  - Opt-out date: Tuesday, October 20, 2020
- ONE analysis/report for 2020
  - Surgery Dates included: 7/1/2016 - 6/30/2020
- STS Public Reporting will resume in 2021
In the works – Primary Procedure Mismatch

- Primary Procedure Determination Rules are outlined in the Report Overview/Interpretation Guide
  - These rules have been posted on CHSD page
  - Under Data Collection Additional Resources section (version 3.41)
In the works – Mortality Eligibility Summary

- If any one of the variables listed in the table has a missing/unknown value, an operation record is considered ‘missing’ for the purposes of mortality analysis. **If more than 10% of the overall operation records for the report time period** (this includes historical data submitted during previous data harvests) for a given database Participant are ‘missing’, then that Participant’s data will be excluded from the mortality analysis.

- * Please note that primary procedure selected in your software may not match the primary procedure ultimately assigned by the DCRI during analysis

- **‘unknown’ value treated as missing

<table>
<thead>
<tr>
<th>VARIABLE</th>
<th>Version 3.22 (SeqNo)</th>
<th>Version 3.3 (SeqNo)</th>
<th>Version 3.41 (SeqNo)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of admission</td>
<td>AdmitDt (780)</td>
<td>AdmitDt (780)</td>
<td>AdmitDt (780)</td>
</tr>
<tr>
<td>Date of Surgery</td>
<td>SurgDt (790)</td>
<td>SurgDt (790)</td>
<td>SurgDt (790)</td>
</tr>
<tr>
<td>Operation Type</td>
<td>OpType (1002)</td>
<td>OpType (1056)</td>
<td>OpType (1056)</td>
</tr>
<tr>
<td>Primary Diagnosis</td>
<td>PrimDiag (900)</td>
<td>PrimDiag (900)</td>
<td>PrimDiag (900)</td>
</tr>
<tr>
<td>Primary Procedure*</td>
<td>PrimProc (940)</td>
<td>PrimProc (940)</td>
<td>PrimProc (940)</td>
</tr>
<tr>
<td>Database Discharge Status (Alive, Dead)**</td>
<td>MtDBDisStat (4260)</td>
<td>MtDBDisStat (4260)</td>
<td>MtDBDisStat (4260)</td>
</tr>
<tr>
<td>30-day Status (Alive, Dead)**</td>
<td>Mt30Stat (4300)</td>
<td>Mt30Stat (4300)</td>
<td>Mt30Stat (4300)</td>
</tr>
<tr>
<td>Mortality Status at Hospital Discharge</td>
<td>MtHospDisStat (4230)</td>
<td>MtHospDisStat (4230)</td>
<td>MtHospDisStat (4230)</td>
</tr>
</tbody>
</table>
In the works – Mortality Eligibility Summary

The STS is making a concerted effort to improve data completeness for operative mortality. Therefore, in order to assure the highest level of accuracy when reporting operative mortality, additional data thresholds are implemented to determine eligibility for a composite score (star rating):

- For all cases performed from January 1, 2015 through December 31, 2015, the operative mortality fields must not have more than 10% missing.
- For all cases performed from January 1, 2016 through December 31, 2016, the operative mortality fields must not have more than 5% missing.
- For all cases performed on or after January 1, 2017, the operative mortality fields must not have more than 2% missing.
- If one or more of the operative mortality fields (MtDBDisStat, Mt30Stat) is missing or coded as "unknown", the record will be considered incomplete. Participants who do not meet the operative mortality related data completeness thresholds for a particular harvest will NOT be eligible to receive a composite score (star rating).

Congenital Heart Surgery Database 3.3 and 3.41
- Mortality Status at Hospital discharge (4230)
- Mortality Status at Database Discharge (4260)
- Status at 30 days after surgery (4300)
ADVANCES IN QUALITY & OUTCOMES:
A Data Managers Meeting
September 29 – October 2, 2020
VIRTUAL

STS National Database
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 any 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.
IQVIA Update
Joe Brower & Melanie Bent
September 2020 – Upcoming Release Update

Items below targeted for release in 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
Update for Existing Reports

CHSD Participant Dashboard Report

- STS-3425 - CHSD MVR and Dashboard Reports – Updating the Premature Birth label
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.
Beta testers have started their review of the Case Eligibility for Mortality Analysis and Primary Procedure Mismatch Reports.

Based on feedback we have made updates to educational documentation that will be provided to users via Library menu once the reports are launched.

**New Reports Currently in Beta Testing Phase**

- STS-3545 – Case Eligibility for Inclusion in Mortality Analysis
- STS-2530 – Primary Procedure Mismatch Report
Upcoming CHSD Reports

* September 2020
  Case Eligibility for Inclusion in Mortality Analysis

* September 2020
  Primary Procedure Mismatch Report

Risk Adjusted Dashboard
  (based on DCRI Risk Adjusted Harvested Data)
Operational Reports – Primary Procedure Mismatch and Mortality Eligibility Summary

- Primary Procedure Mismatch and Mortality Eligibility Summary Report

This document outlines the process for identifying operation records where the primary procedure 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.
Op Type 1 & 2 Case Eligibility Summary

Report tab

[Image of the 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 (SurgeyID), 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.
- (*) indicates partial year data.
Primary Procedure Mismatch Summary Report tab
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

Monthly Webinar

• September 15 @ 12pm Central

User Group Call

• September 22 @ 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!