

Society of Thoracic Surgeons

Adult Cardiac
User Group Call

August 19, 2020



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

Agenda

- Welcome and Introductions
- STS Updates
- Harvest Submission Guidelines
 - Polling questions
- IQVIA Updates
- User Feedback
 - Include Ticket Number/Case Number



STS Updates

- Harvest 1 2020 Report Update
 - In Progress, No Official Release Date
- Harvest 3 2020
 - Closes August 28, 2020

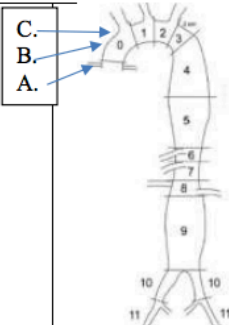




Aorta Device Update

Aorta Devices

Location :



- X. No additional devices inserted (only for locations 2 – 15)
- A. Below sinotubular junction
- B. Sinotubular junction to mid ascending
- C. Mid ascending to distal ascending
- D. Zone 1 (between innominate and left carotid)
- E. Zone 2 (between left carotid and left subclavian)
- F. Zone 3 (first 2 cm. distal to left subclavian)
- G. Zone 4 (end of zone 3 to mid descending aorta ~ T6)
- H. Zone 5 (mid descending aorta to celiac)
- I. Zone 6 (celiac to superior mesenteric)
- J. Zone 7 (superior mesenteric to renals)
- K. Zone 8 (renal to infra-renal abdominal aorta)
- L. Zone 9 (infra-renal abdominal aorta)
- M. Zone 10 (common iliac)
- N. Zone 11 (external iliacs)

(Refer to Data Specifications for Harvest Codes)

For devices other than aortic valves and aortic valve composite grafts:

Implant Method: 1=Open **Surgical** 2= Endovascular

Outcome: 1= **Unsuccessfully implanted**/maldeployed 2= **Implanted**/deployed and removed 3= Successfully **implanted**/deployed

Model Number: Enter device model number

UDI: Enter unique device identifier (not serial number)

Location (Letter)	Implant Method	Outcome	Model Number	UDI
ADevLoc01 (5450)	ADevDelMeth01 (5455)	ADevOut01 (5460)	ADevModel01 (5465)	ADev
ADevLoc02 (5475)	ADevDelMeth02 (5480)	ADevOut02 (5485)	ADevModel02 (5490)	ADev
ADevLoc03 (5500)	ADevDelMeth03 (5505)	ADevOut03 (5510)	ADevModel03 (5515)	ADev
ADevLoc04 (5525)	ADevDelMeth04 (5530)	ADevOut04 (5535)	ADevModel04 (5540)	ADev

You will have to type in the Model Number for Aorta Devices

STS Adult Cardiac Surgery Database

Version 4.20.2

Long Name: Aorta Device - Model Number #01

SeqNo: 5465

Short Name: **ADevModel01**

Core: Yes

Section Name: Aorta And Aortic Root Procedures

Harvest: Yes

DBTableName: Adultdata1

Definition: Indicate the model number of aorta device #01.

Data Source: User

Format: Text

ParentShortName: ADevIns

ParentLongName: Aorta Device Inserted

ParentHarvestCodes: 1

ParentValues: = "Yes"



We will provide you with a cheat-sheet in the coming weeks.

STS Adult Cardiac Surgery Database

Version 4.20.2

463 Gelweave Plexus Graft
7300##ADP - Vascutek
Terumo Gelweave Vascular
Prosthesis

464 7320## - Vascutek Gelweave
Trifurcate Arch Graft

465 7350##ST - Vascutek
Gelweave Pre-curved Graft

466 8300AB### - Edwards Intuity
Elite Valve

467 8300KITB### - Edwards
Intuity Elite Valve System

468 9600CM## - Edward Sapien

Gelweave™ Valsalva

- Aortic graft design for valve sparing or Bentall procedures
- Closely matches aortic root anatomy⁶
- Mimics natural response of the sinuses of Valsalva⁷
- Potential for,
 - increased valve leaflet longevity⁸
 - reduced tension on the coronary arteries⁹



The Model Number Will Look Something Like This.

BORE SIZE mm	MAXIMUM SKIRT DIAMETER mm	USABLE LENGTH cm	SKIRT LENGTH mm	COLLA LENGT mm	CATALOGUE NUMBER
16	21	15	16	10	730016ADP
18	24	15	18	10	730018ADP
20	26	15	20	10	730020ADP
22	28	15	22	10	730022ADP
24	32	15	24	10	730024ADP
26	34	15	26	10	730026ADP
28	36	15	28	10	730028ADP
30	38	15	30	10	730030ADP
32	42	15	32	10	730032ADP
34	44	15	34	10	730034ADP

Aorta Device Cheat Sheet

STS ACSD v4.20.2

Aorta Devices Fields

(5465, 5490, 5515, 5540, 5565, 5590, 5615, 5640, 5665, 5690, 5715, 5740, 5765, 5790, 5815)

These fields allow for free text – please type in corresponding harvest code.

HarvestCode	Description
208	A010 - CryoLife Ascending Thoracic Aorta
209	A020 - CryoLife Descending Thoracic Aorta
210	A030 - CryoLife Pulmonary Artery
216	R010 - CryoLife Aortoiliac Grafts
217	R020 - CryoLife Femoral Popliteal Artery
220	V010 - CryoLife Saphenous Vein
221	V060 - CryoLife Femoral Vein
267	AAL - LifeNet CardioGraft Ascendi
268	AAM - LifeNet CardioGraft Ascend
269	AAS - LifeNet CardioGraft Ascendi
270	DLHPA - LifeNet CardioGraft Dece
271	DRHPA - LifeNet CardioGraft Dece
278	LHPA - LifeNet CardioGraft Hemi-

776	Surgeon Fashioned Device
800	DSF###-## - GORE DrySeal Introducer Sheath
801	RLT###-##-## - GORE Trunk - Ipsilateral Leg Endoprosthesis
802	PCL###-##-## - GORE Contralateral Leg Endoprosthesis
803	PLA###-##-## - GORE Aortic Extender Endoprosthesis
804	PLL###-##-## - GORE Iliac Extender Endoprosthesis





Data to be submitted for Harvest 3 2020

- OR cases through June 30, 2020
- Submit data from January 1, 2020 – June 30, 2020
 - If you submitted for Harvest 1 2020
AND
 - Made no changes to data previously submitted for 2020H1
- Submit data from January 1, 2020 – June 30, 2020 and any data with changes
 - If you made changes to previously submitted data then you will need to resubmit a time frame that contains the updated data.

Polling

- I harvested for 2020H1 and made no changes to those data. For 2020H3,
 - I only need to submit OR dates from January 1, 2020 – June 30, 2020
 - I only need to submit OR dates from April 1, 2020 – June 30, 2020
 - I need to submit 12 months of data for CABG and 36 months of data for valves cases



Polling

- I harvested for 2020H1 and made changes to a case dated September 15, 2019 and a case dated December 22, 2019.
 - For 2020H3,
 - I only need to submit OR dates from January 1, 2020 – June 30, 2020
 - I need to submit OR dates from January 1, 2020 – June 30, 2020
- AND
- A file that contains the data with OR date for the September 15, 2019 case
- AND
- A file that contains the data with OR date for December 22, 2019.
- I need to submit 12 months of data for CABG and 36 months of data for valve cases





Polling

- I skipped 2020H1, for 2020H3:
 - I need to submit only OR dates from January 1, 2020 through June 30, 2020
 - I need to submit 12 months of data
 - I need to submit 12 months for CABG and 36 months for valve cases
 - It depends when my last submission was and if I made any changes to previously submitted data





If you skipped 2020H1

- You must submit all cases from October 1, 2019 through June 30, 2020
- All previously submitted data to DCRI was transferred over to IQVIA up to 2019H4.
 - This includes OR Cases through September 30, 2019 (2019H3)
- If you made updates to cases prior to and including September 30, 2019 (2019H3)
 - Then you must submit a file that contains those updated cases

Submitting Updated Cases

- If you updated a previously harvested case
 - You must submit a file that contains that case
 - It can be one file, for example
 - You submit 2020H1, have now updated a case from October 15, 2019
 - You can submit a file that contains OR dates from October 15, 2019 through June 30, 2020

OR

- It can be multiple files, for example
 - Submit one file with OR date of October 15, 2019

AND

- File(s) that contain OR dates from January 1, 2020 through June 30, 2020





IQVIA Update

Joe Brower & Melanie Bent



IQVIA Update Released

Uploader Issues (Resolved)

The following fixes were released on August 13

- STS-3615 - STS-ACSD: v4.2 vsmvrepappsurg giving critical error when uploading comma-separated codes. This is impacting all fields that are defined as a multi-select field - 43 fields have been identified.
- STS-3267 – STS-ACSD: Records not being updated in subsequent uploads when only time field is changed.



IQVIA Upcoming August 22th Release

The following updates are scheduled for deployment the weekend of **August 22**

- **ACSD Participant Dashboard Report Performance Update**
 - ACSD Participant Dashboard Report is experiencing slower than normal load times.
 - We have identified the root cause for the performance delay and will be deploying an update on August 22nd to resolve this issue.



IQVIA Issues Under Review

Risk Score Match Report Update

- Due to questions and concerns from the ACSD user community regarding the Risk Score Match Score Report, IQVIA removed access to the Risk Score Match Report on Monday, Aug. 17th to allow users to focus on their current harvest submission efforts.
- We have identified that there were changes made to the after the 2.9 specifications were officially released which were not required to be updated by vendors.
- We are actively reviewing the participant production report results and collaborate with vendors to identify areas where the risk scores are potentially not aligning as expected prior to re-releasing the report.



IQVIA Issues Under Review

Uploader

- STS-3621 – vdvmax is triggering a critical error message for 4.20.2 records at the time of upload
- STS-3613 – value for VentHrsA not appearing in patient case (not impacting all sites, currently reviewing a specific example)
- STS-3266 – Upload showing a red X mark even though the records are showing as uploaded
- **ACSD Participant Dashboard Report**
 - STS-2994 – IMA(Internal Mammary Artery) used displaying incorrect case count
 - Related to above item - STS-2219 – Dashboard IMA Used case count
 - Related to item above – STS-2068 – Dashboard IMA Used
 - STS-3666 – Dashboard Report displaying cases that have a value entered (patient alive)for “Status at 30 days after Surgery” as missing
 - STS-3581 – Dashboard Graphs is not matching for discharge/mortality
 - STS-3588 – Dashboard post-operative events percentage on the dashboard is not 100%
 - STS-3387 – Dashboard report percentages showing 0%

Missing Variable Report

- STS-3419 – Inconsistent number returning for SSN data element, parent logic to be updated



IQVIA September 2020 Release Update

The following updates are targeted to be released the weekend of **September 12th**

ACSD Participant Dashboard Report


- STS-2017 – Dashboard Discrepancy in Last Creatinine Level
- STS-2143 – Dashboard reporting liver dysfunction/failure in missing % count result
- STS-2826 – Dashboard reporting endovascular cases in missing % count result
- STS-2388 – Dashboard reporting is checking for 2.9 variables for cases entered on the 2.81 data version



ACSD Risk Score Match Report



IQVIA Update – ACSD Risk Score Match Report

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

PLATFORM

Case Forms

Form Management

Notifications

ANALYTICS

Operational Reports

RESOURCES

Library

ACSD Participant Dashboard Report

STS Reports

Risk Score Match Report

[Risk Score Match Report](#)

The Risk Score Match report will assist in identifying records that do not match the STS Risk Score Match report. It will indicate the percent of records where the match was successful.

Risk Score Match Report

Risk Score Match Report

Summary Level View

Short Name	Percent Match
Operative Mortality: CAB-Only	75 %
Operative Mortality: Valve-Only	98 %
Operative Mortality: MV Repair + CAB	37 %
Morbidity: Any Reoperation	80 %
Morbidity: Permanent Stroke	77 %
Morbidity: Renal Failure	77 %
Morbidity: Deep Sternal Infection	38 %
Morbidity: Prolonged Ventilation	75 %
Combined Outcomes: Morbidity and/or Mortality	82 %
Short Length of Stay (<6 days)	67 %
Long Length of Stay (>14 days)	44 %
Operative Mortality: All Other	88 %

Detailed Level View

Time Period	Short Name	RecordID	ProcID	ParticipantValue	IQVIA Value	Result
5/20/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123484	1	0.01021	0.01022	Match
5/20/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123483	1	0.00898	0.00899	Match
5/18/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123481	1	0.00417	0.00417	Match
5/17/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123477	1	0.03772	0.03773	Match
5/17/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123476	1	0.00773	0.00773	Match
5/16/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123475	1	0.00798	0.00889	No Match
5/15/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123468	1	0.30764	0.30765	Match
5/14/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123466	1	0.03595	0.04170	No Match
5/13/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123465	1	0.06402	0.06404	Match
5/8/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123460	1	0.00805	0.00805	Match
6/3/2020 4:00:00 AM	Operative Mortality: CAB-Only	V1234569	1		0.01086	No Match
6/3/2020 4:00:00 AM	Operative Mortality: CAB-Only	V1234567	1		0.01086	No Match
10/15/2017 4:00:00 AM	Operative Mortality: CAB-Only	V1234563	1		0.01086	No Match
5/2/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123446	1	0.00610	0.00610	Match
4/29/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123444	1	0.04883	0.04884	Match
4/18/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123443	1	0.01316	0.01316	Match

Risk Score Match Report

Risk Score Match Report

Summary Level View

Short Name	Percent Match
Operative Mortality: CAB-Only	75 %
Operative Mortality: Valve-Only	98 %
Operative Mortality: MV Repair + CAB	37 %
Morbidity: Any Reoperation	80 %
Morbidity: Permanent Stroke	77 %
Morbidity: Renal Failure	77 %
Morbidity: Deep Sternal Infection	38 %
Morbidity: Prolonged Ventilation	75 %
Combined Outcomes: Morbidity and/or Mortality	82 %
Short Length of Stay (<6 days)	67 %
Long Length of Stay (>14 days)	44 %
Operative Mortality: All Other	88 %

Detailed Level View

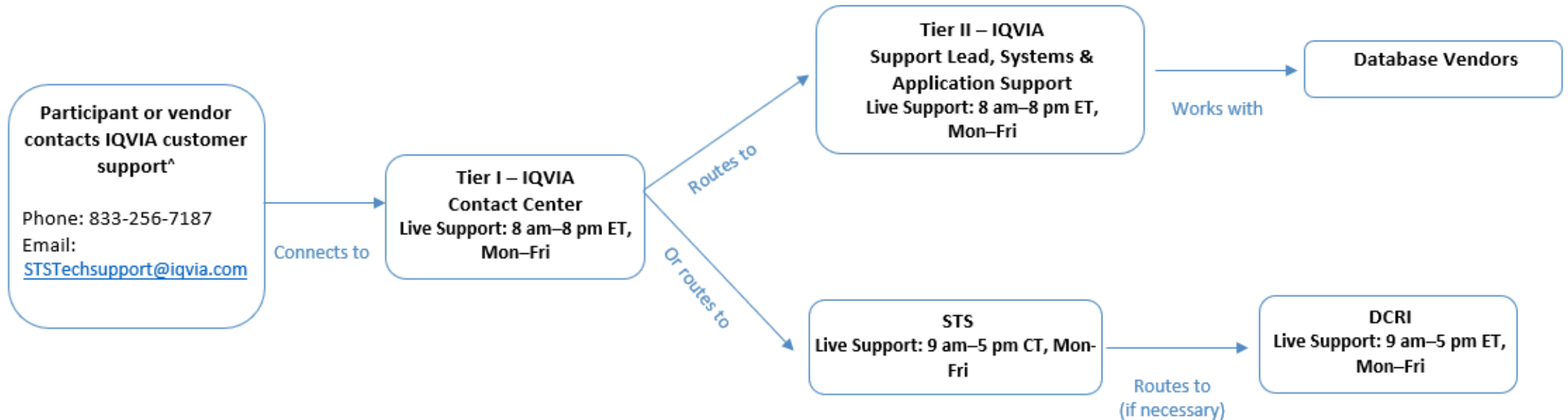
Time Period	Short Name	RecordID	ProcID	ParticipantValue	IQVIA Value	Result
12/14/2017 5:00:00 AM	Operative Mortality: Valve-Only	V376686	2	0.01716	0.01717	Match
7/18/2017 4:00:00 AM	Operative Mortality: Valve-Only	V376010	2	0.01019	0.01019	Match
12/12/2019 5:00:00 AM	Operative Mortality: Valve-Only	V33402164	2	0.00477	0.00477	Match
10/11/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33398896	2	0.04252	0.04253	Match
9/12/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33397516	2	0.02372	0.02372	Match
8/7/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33395258	2	0.02077	0.02078	Match
8/2/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33395097	2	0.12573	0.12575	Match
7/25/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33394442	2	0.01272	0.01272	Match
3/15/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33386109	2	0.01376	0.01376	Match
2/28/2019 5:00:00 AM	Operative Mortality: Valve-Only	V33384385	2	0.01195	0.01195	Match
12/14/2018 5:00:00 AM	Operative Mortality: Valve-Only	V33377847	2	0.00664	0.00665	Match
12/4/2018 5:00:00 AM	Operative Mortality: Valve-Only	V33369106	2	0.00792	0.00792	Match
8/1/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33325225	2	0.01456	0.01457	Match
7/17/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33315132	2	0.03282	0.03283	Match
7/6/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33304625	2	0.04793	0.04795	Match
5/4/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33269876	2	0.00492	0.00492	Match



STS/IQVIA Support Plan



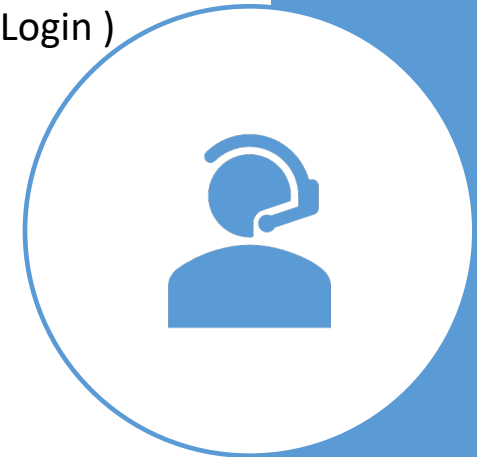
IQVIA's Support Plan



^ 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*
 - ckrohn@sts.org



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!

- # Thank you for joining!

Next ACSD Webinars

September 2, 2020

- ACSD Monthly Webinar @ 2pmCT

