

The Society of Thoracic Surgeons

Adult Cardiac Surgery Database

Monthly Webinar

November 5, 2025



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

Agenda

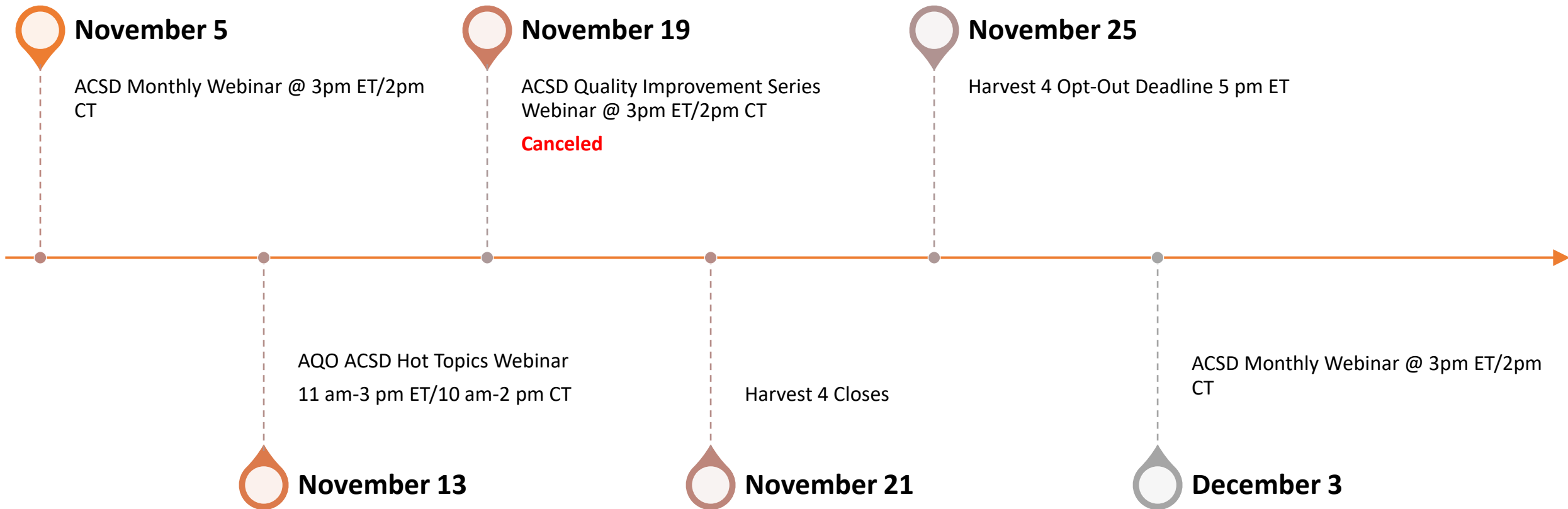
Welcome and Introductions

STS Updates

Training Manual Updates

Q&A

Important Dates-Timeline



Virtual Pass Still Available!

- [Purchase Virtual Pass](#)
- Last day to purchase is November 21st

[Home](#) > [Calendar of Events](#) > 2025 Advances in Quality & Outcomes: A Data Managers Meeting

Event

2025 Advances in Quality & Outcomes: A Data Managers Meeting

Discussions on valuable research and important clinical findings with the goal of improving data collection and patient outcomes.

[Register for Virtual Pass](#)

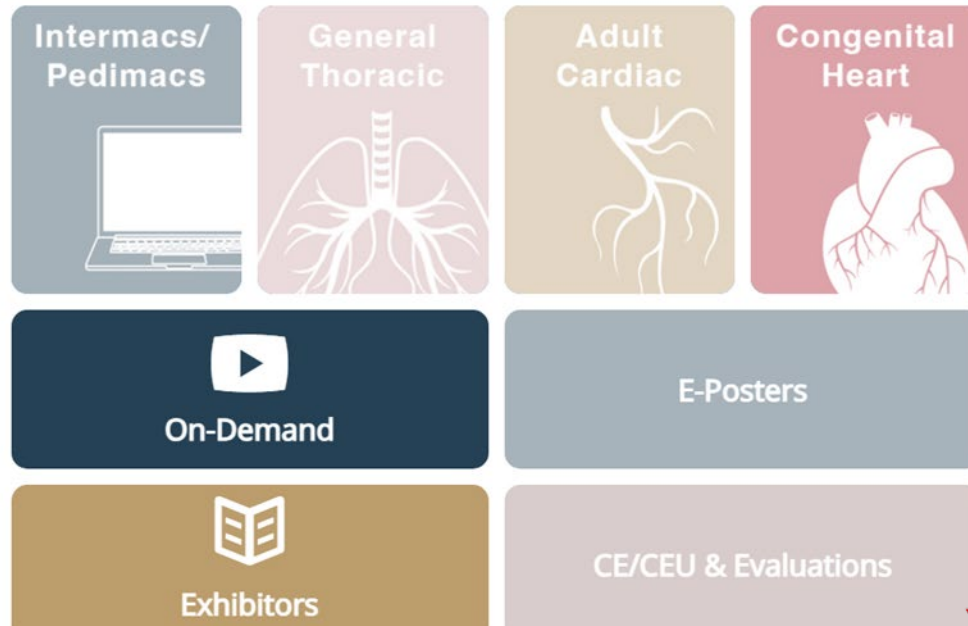


Post AQO - Content Availability

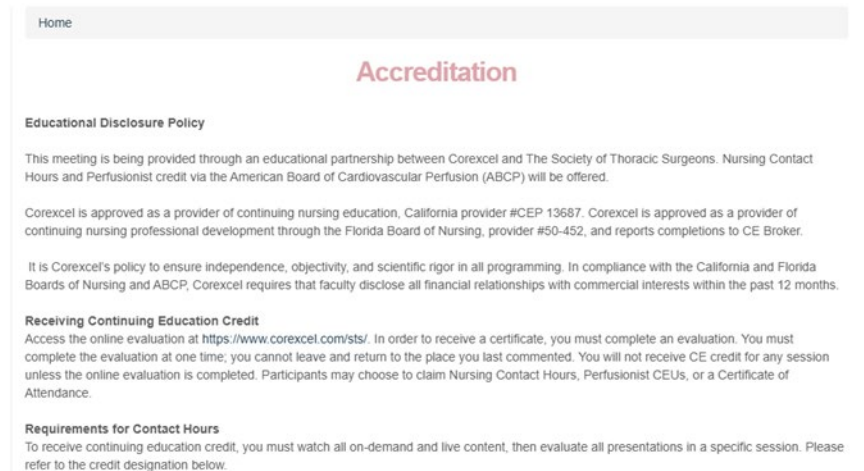
- Recordings of the live sessions are available now and will remain on the virtual platform until mid-December
 - [AQO Meeting Platform](#)
- Content will then move to the STS Learning Center
- Attendees will have access to all PowerPoint slides, Handouts, Case Scenarios and videos until AQO 2026!

CE/CEU Evaluations

My Schedule
Welcome
Agenda
People
Resources and Forms
About STS
Accreditation



My Schedule
Welcome
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Accreditation



- Don't forget to view all on-demand content and live content prior to completing your evaluations.
- You must complete the evaluation at one time; you cannot leave and return to the place you last commented.
- **Deadline to claim credit is Friday, December 26, 2025.**

AQO ACSD Hot Topics Webinar

- The AQO Hot Topics Webinar is planned for November 13th 10amCT – 2pmCT.
- We will bring back select speakers and provide additional opportunities for Q & A.
- A webinar link will be sent via email.



Important Dates-2025 Harvest

2025 Harvest

Term	Harvest Submission Window Close	Opt-Out Date	Includes Procedures Performed Through:	Report Posting	Comments
Harvest 1	2/21/2025	2/25/2025	12/31/2024	Spring 2025	Star Rating
Harvest 2	5/23/2025	5/27/2025	3/31/2025	Summer 2025	
Harvest 3	8/22/2025	8/26/2025	6/30/2025	Fall 2025	Star Rating
Harvest 4	11/21/2025	11/25/2025	9/30/2025	Winter 2025	

Analysis for each harvest is based on a 36-month window.

The 2026 Harvest Schedule is now available.

Data Submission Open is continuous for all harvest terms. Submission Close occurs at 11:59 p.m. Eastern on the date listed.

Harvest Opt-Out closes at 5:00 p.m. Eastern on the date listed.



Exceptional Risk Exclusion

- Cases submitted with surgery dates between July 1, 2025 and September 30, 2025 have been reviewed.
- You will receive a decision via email in the coming days.
- Reminders:
 - Cases must be submitted via the web form found on the STS website *prior* to surgery
 - You will receive an encrypted email requesting specific documentation
 - If you are submitting a case with a specific comorbidity that you or your surgeon feels makes the case of exceptional risk, please provide supporting documentation for that comorbidity
 - Please submit your records in PDF format without additional encryption
 - Please redact your records
 - All records submitted for exclusion must be submitted to the database-we exclude those on our end in analysis
 - Please provide the Record and Patient IDs



Exceptional Risk Exclusion



[Clinical Summary](#) [About](#)

Simulated Patient Summary

Procedure Type: **CABG + MVR**

Perioperative Outcome	Estimate %
Operative Mortality	3.88%
Morbidity & Mortality	18.5%
Stroke	2.8%
Renal Failure	4.47%
Reoperation	4.7%
Prolonged Ventilation	11.8%
Deep Sternal Wound Infection	0.348%
Long Hospital Stay (>14 days)	11.5%
Short Hospital Stay (<6 days)*	14.2%

*Higher values reflect a better outcome

[Copy](#)

Clinical Summary

Planned Surgery: CABG + MVR, Urgent, First cardiovascular surgery

Demographics: 75 year old, Asian, male, 75kg, 183cm, BMI 28.6 kg/m², BSA 1.82 m²

Insurance/Payer: Medicare

Lab Values: Creatinine: 1.1 mg/dL, Hematocrit: 38%, WBC Count: 8.10⁹/μL, Platelet Count: 200000 cells/μL

PreOp Medications: ACE Inhibitors, ARBs < 48 hrs, Insulin diabetes control

Substance Abuse: Former smoker

Risk Factors / Comorbidities: Insulin-dependent diabetes mellitus, Family Hx of CAD, Hypertension

Cardiac Status: Ejection Fraction > 45%

Coronary Artery Disease: 2 vessel disease, Left Main Stenosis > 50%, Proximal LAD Stenosis > 70%, Stable Angina

Valve Disease: Severe MR, Mild TR

Arrhythmias: Remote A-fib

[PDF Patient Summary](#) [Copy](#)

Exceptional Risk Exclusion

Locating your Patient ID and Record ID

A. Administrative

I have reviewed and confirmed this patient DID
have a prior surgery in the STS ACSD
registry(pvssurgery)

☐

Patient ID(patid)

V601423

Record ID(recordid)

V601423

Participant ID(particid)



Software Vendor Identifier(vendorid)

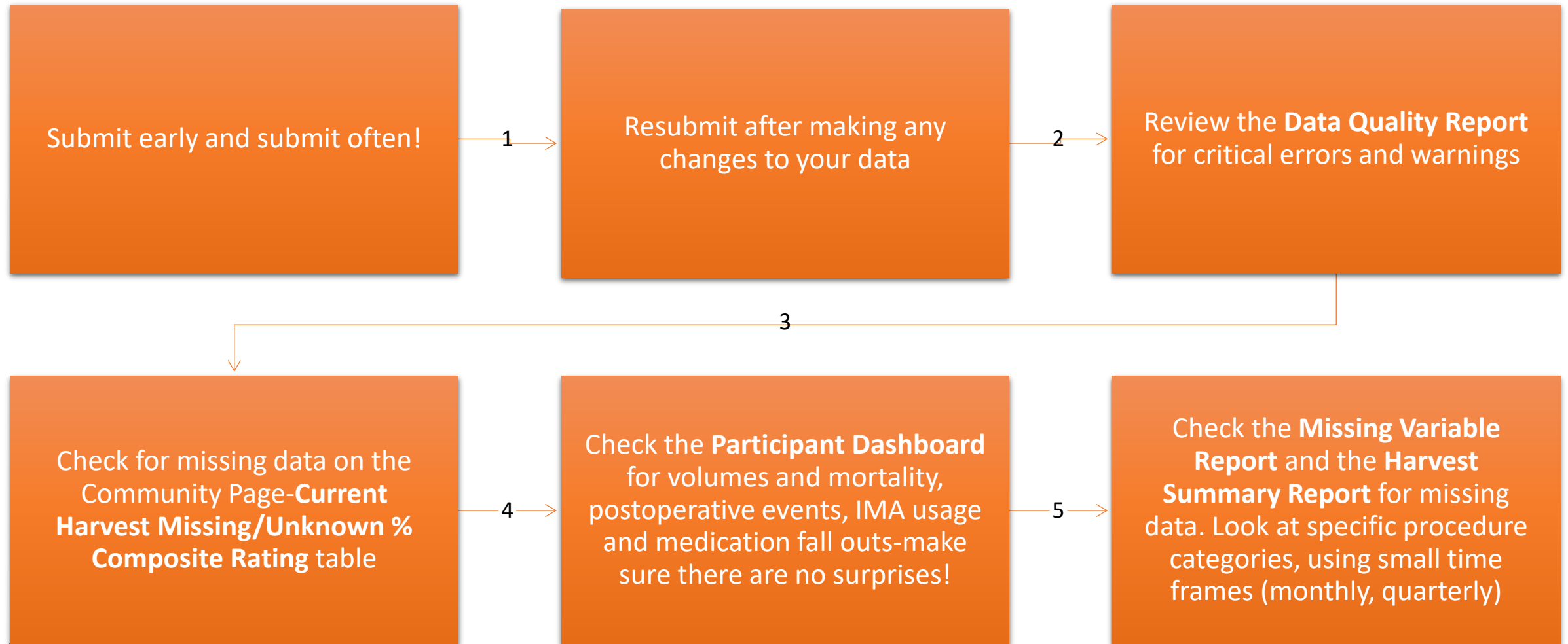
IQVIA

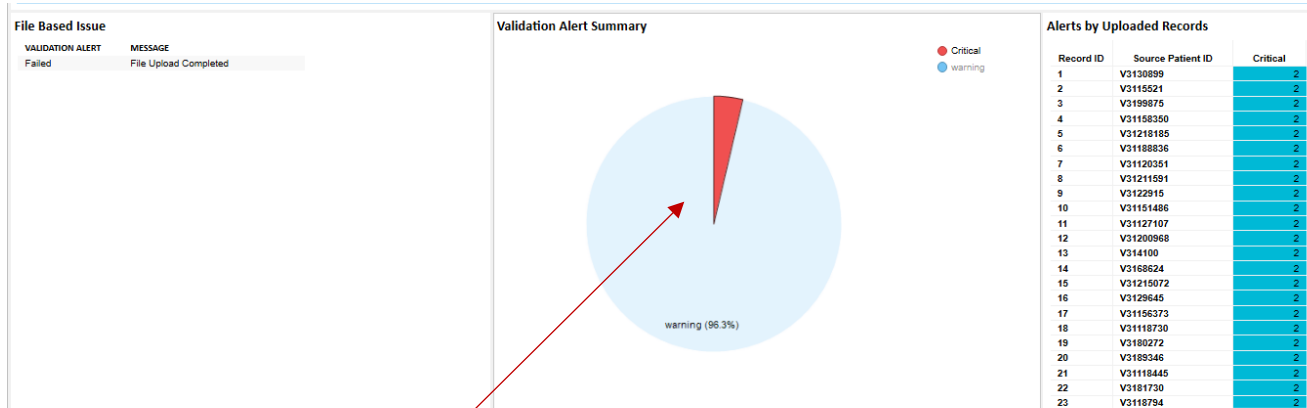
STS Data Version(datavrsn)

4.20.2



Data Clean Up

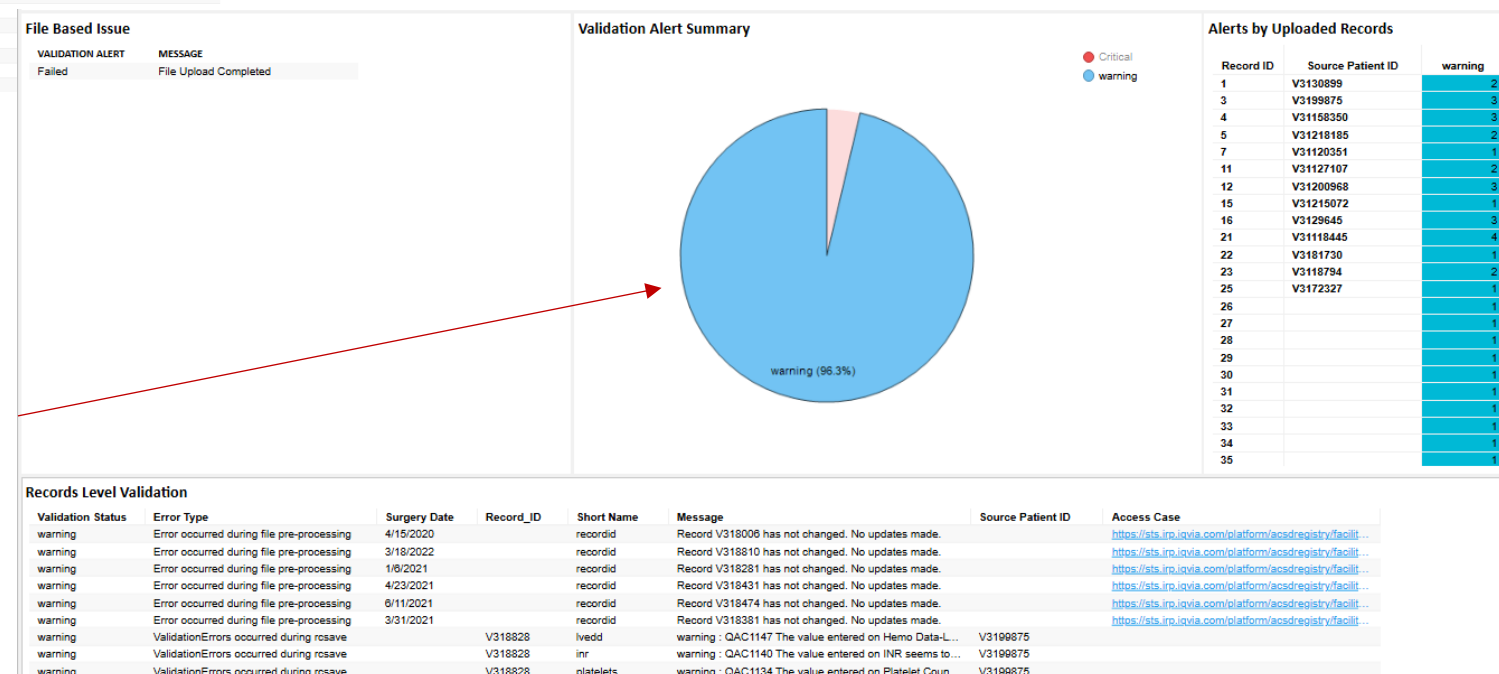




Records Level Validation

Validation Status	Error Type	Surgery Date	Record_ID	Short Name	Message	Source Patient ID	Access Case
Critical	Warning/Error occurred while rsave		V318970		Cannot save form with Critical error(s)	V31188836	
Critical	ValidationErrors occurred during rsave		V318970	partoid	critical : QAC023 Participant ID does not match.	V31188836	
Critical	Warning/Error occurred while rsave		V319191		Cannot save form with Critical error(s)	V3118794	
Critical	ValidationErrors occurred during rsave		V319191	partoid	critical : QAC023 Participant ID does not match.	V3118794	
Critical	Warning/Error occurred while rsave		V319170		Cannot save form with Critical error(s)	V3168624	
Critical	ValidationErrors occurred during rsave		V319170	partoid	critical : QAC023 Participant ID does not match.	V3168624	
Critical	Warning/Error occurred while rsave		V318720		Cannot save form with Critical error(s)	V3130899	
Critical	ValidationErrors occurred during rsave		V318720	partoid	critical : QAC023 Participant ID does not match.	V3130899	
Critical	Warning/Error occurred while rsave		V318978		Cannot save form with Critical error(s)	V31120351	
Critical	ValidationErrors occurred during rsave		V318978	partoid	critical : QAC023 Participant ID does not match.	V31120351	
Critical	Warning/Error occurred while rsave		V319172		Cannot save form with Critical error(s)	V31215072	

- Critical Errors are in red and prevent your uploaded file from being accepted-example mismatched Participant ID
- Warnings are in blue-do not prevent your file from being accepted-example data out of range



Data Clean Up

- Mortality Analysis includes the following variables: Status at Hospital Discharge, Status at 30 days After Surgery, Operative Mortality
 - Outcomes and Process Measures Analysis includes the following variables: Internal Artery Mammery Used, Preoperative Beta Blocker, Discharge Anti-platelet, Discharge Beta Blocker, Discharge Anti-lipid

- In addition to meeting required data completeness thresholds, sites must meet the below case count requirements for the 36-month analytical window to be included into analysis.

CABG - 50 cases; AVR - 10 cases; AVR+CAB - 10 cases; MVRR - 36 cases; MVRR+CAB - 25 cases; Multiprocedural - 100 cases

- Color Code Legend

Red - Does not meet requirement for inclusion into composite ratings

Yellow - At risk of not meeting requirement for inclusion in composite ratings

Green - Meets requirement for inclusion into composite ratings

Current Harvest Missing / Unknown % Composite Rating

Current Harvest Missing / Unknown % Composite Rating

Main Category	Procedure	Year	#Missing	#Eligible	% Percent
Mortality Analysis	Isolated CABG	10/01/2022 - 09/30/2023	6	66	9.09
		10/01/2023 - 09/30/2024	0	0	0.00
		10/01/2024 - 09/30/2025	0	0	0.00
	Isolated AVR	10/01/2022 - 09/30/2023	0	2	0.00
		10/01/2023 - 09/30/2024	0	0	0.00

Current Harvest Missing / Unknown % Composite Rating

Current Harvest Missing / Unknown % Composite Rating

Main Category	Procedure	Year	#Missing	#Eligible	% Percent
Mortality Analysis	Isolated CABG	10/01/2022 - 09/30/2023	6	66	9.09
		10/01/2023 - 09/30/2024	0	0	0.00
		10/01/2024 - 09/30/2025	0	0	0.00
	Isolated AVR	10/01/2022 - 09/30/2023	0	2	0.00
		10/01/2023 - 09/30/2024	0	0	0.00

Case List

Category	Procedure Group	Surgery Year	Patient ID	Access Case
Mortality Analysis	Isolated CABG	2022	V3168624	https://sts.irp.iqvia.com/platform/acsdregistry/facility/1522/c
Mortality Analysis	Isolated CABG	2022	V3189346	https://sts.irp.iqvia.com/platform/acsdregistry/facility/1522/c
Mortality Analysis	Isolated CABG	2022	V3181730	https://sts.irp.iqvia.com/platform/acsdregistry/facility/1522/c
Mortality Analysis	Isolated CABG	2022	V3118794	https://sts.irp.iqvia.com/platform/acsdregistry/facility/1522/c



ACSD Reports

ACSD Participant Dashboard Report

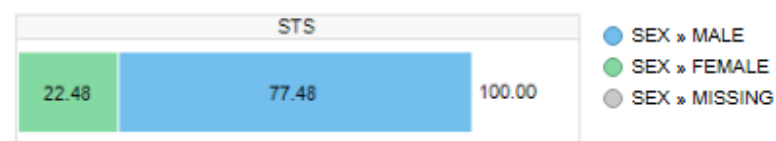
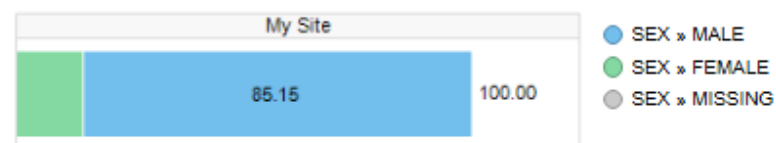
Reports

Select each report title below to view report specific parameters and generate data. Some reports have sub-reports available upon selection.

File Edit Data Visualizations View Tools User

Select Report:

DEMOGRAPHICS
HOSPITALIZATION
RISK FACTORS
PREOPERATIVE CARDIAC STATUS
PREOPERATIVE MEDICATIONS
HEMODYNAMICS/CATH/ECHO
OPERATIVE
CORONARY BYPASS
VALVE SURGERY
MECHANICAL CARDIAC ASSIST DEVICES
OTHER CARDIAC PROCEDURES
OTHER NON-CARDIAC PROCEDURES
POST-OPERATIVE
POSTOPERATIVE EVENTS
DISCHARGE / MORTALITY
READMISSION
ANESTHESIA



DEMOGRAPHICS	NUMBER OF CASES	NUMBER OF CASES	My Site	STS
			229	481097
PATIENT AGE		AGE 18-29	0 (0.0%)	271 (0.1%)
		AGE 30-44	5 (2.2%)	11243 (2.3%)
		AGE 45-64	73 (31.9%)	182833 (38.0%)
		AGE 65+	151 (65.9%)	288740 (59.6%)
		65-79	125 (54.6%)	253773 (52.7%)
		80+	26 (11.4%)	32967 (6.9%)
		AGE < OR EQUAL TO 55 (MALE)	24 (10.5%)	55134 (11.5%)
		AGE < OR EQUAL TO 65 (FEMALE)	14 (6.1%)	44653 (9.3%)
		MISSING	0 (0.0%)	0 (0.0%)

Patient ID

Access Case

Surgery Date

Variable

Variable Option

Report Name

Parameters

Date Range

01/01/2025

to

03/31/2025

File Edit Data Visualizations View Tools User

Export

Report Description:

Use this report to determine which variables are missing data for the date range selected.

All

Risk Adjustment Models
Process and Outcomes Measures
ProcId

Date Range: 01/01/2025- 03/31/2025

Missing Variable Summary

Data Version	Surgery Year	Shortname	Name	Missing %	N
4.20.2	2025	ADEVDELMETH01	AORTA DEVICE - DELIVERY METHOD #01	20	2/10
		ADEVLOC01	AORTA DEVICE - LOCATION #01	20	2/10
		ADEVLOC02	AORTA DEVICE - LOCATION #02	10	1/10
		ADEVMODEL01	AORTA DEVICE - MODEL NUMBER #01	20	2/10
		ADEVOUT01	AORTA DEVICE - OUTCOME #01	20	2/10
		ADEVUDI01	AORTA DEVICE - UNIQUE DEVICE IDENTIFIER #01	100	10/10
		ADEVUDI02			
		ADEVUDI03			
		AVAVCOMPGRIMPLUDIAO			
		DISTTREATZONEAVAILMETH			
		INR			
		LVSD			
		MELDSCR			
		OCARAAUDI			
		PATMNAME			

Case List

Missing Variable Summary

Data Version	Surgery Year	Shortname	Name	Missing %	N
4.20.2	2025	ADEVDELMETH01	AORTA DEVICE - DELIVERY METHOD #01	20	2/10
		ADEVLOC01	AORTA DEVICE - LOCATION #01	20	2/10
		ADEVLOC02	AORTA DEVICE - LOCATION #02	10	1/10
		ADEVMODEL01	AORTA DEVICE - MODEL NUMBER #01	20	2/10
		ADEVOUT01	AORTA DEVICE - OUTCOME #01	20	2/10
		ADEVUDI01	AORTA DEVICE - UNIQUE DEVICE IDENTIFIER #01	100	10/10
		ADEVUDI02	AORTA DEVICE - UNIQUE DEVICE IDENTIFIER #02	100	1/1
		ADEVUDI03	AORTA DEVICE - UNIQUE DEVICE IDENTIFIER #03	100	1/1
		AVAVCOMPGRIMPLUDIAO	AORTIC VALVE OR AORTIC VALVE COMPOSITE GRAFT IMPLANTED...	100	6/6
		DISTTREATZONEAVAILMETH	DISTAL TO TREATED ZONE(S) (LARGEST DIAMETER) AVAILABLE - ...	10	1/10
		INR	RF-INR [2]	1	1/101
		LVSD	HEMO DATA-LV END SYSTOLIC DIMENSION	2	1/64
		MELDSCR	RF-MELD SCORE	1	1/101
		OCARAAUDI	OTHER CARD-ATRIAL APPENDAGE LIGATION/EXCLUSION UDI	100	12/12
		PATMNAME	PATIENT MIDDLE NAME	21	21/101

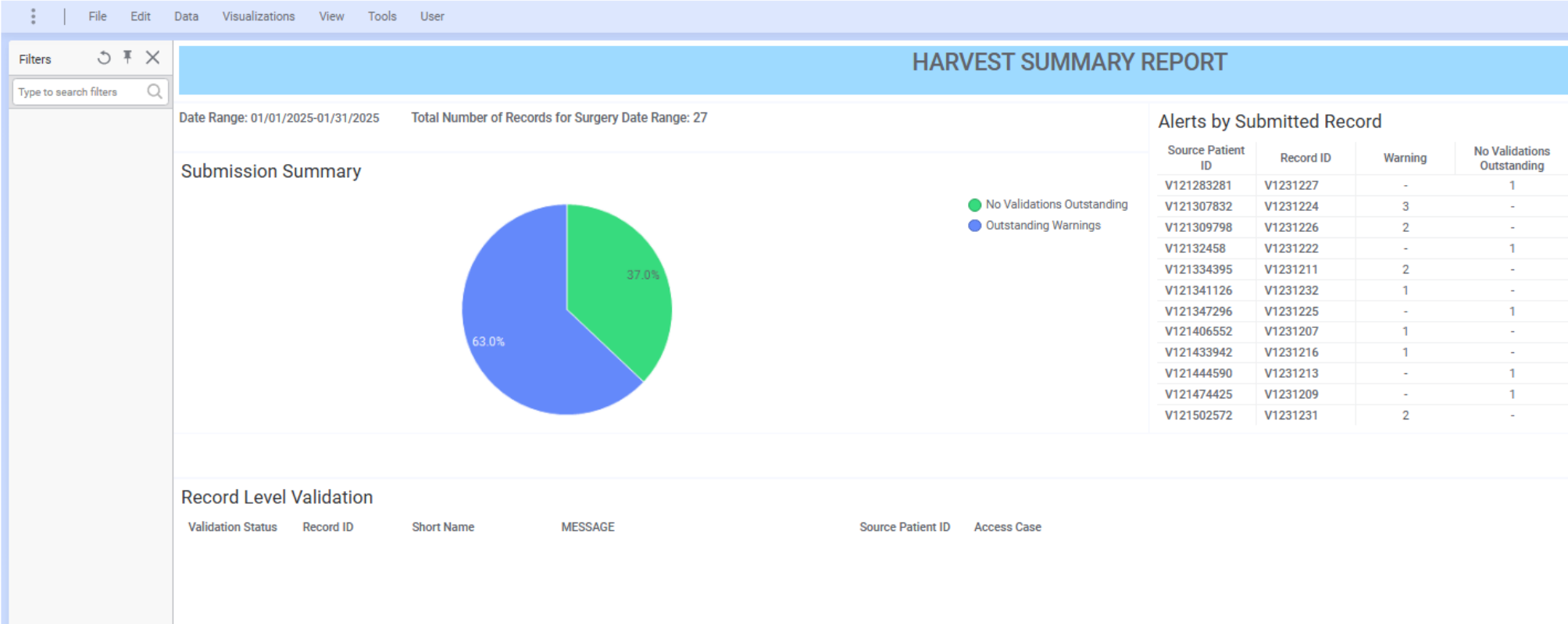
Case List

RECORDID	Data Version	Surgery Year	Name	PATIENT_DISPLAY_ID	Access Case
V1231235	4.20.2	2025	AORTA DEVIC...	V121475820	https://sts.irp.iqvia.com/...
V1231282	4.20.2	2025	AORTA DEVIC...	V121637239	https://sts.irp.iqvia.com/...



Data Clean Up

ACSD Reports Harvest Summary Report



Data Clean Up

STS National Database Webinar Archive

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[STS National Database Webinar Archive](#) | [STS](#)

Access recordings of past webinars for data managers below or visit and subscribe to the [STS National Database YouTube channel](#).

▼ Adult Cardiac Surgery Database

Webinar	Date	Description
ACSD Monthly Webinar	February 5, 2025	ACSD Updates for 2025

ACSD Data Manager Training Webinar	March 20, 2025	Data Submission (Harvest), Data Quality Report (DQR)	Listen to recording	View Slides
ACSD Data Manager Training Webinar	March 25, 2025	National Report Analyses Overview, Process and Outcome Measures, STAR Ratings	Listen to recording	View Slides
ACSD Data Manager Training Webinar	April 1, 2025	Helpdesk Support	Listen to recording	View Slides
ACSD Monthly Webinar	April 2, 2025	Data Manager Survey	Listen to recording	View Slides
ACSD Data Manager Training Webinar	April 8, 2025	IQVIA Reporting	Listen to recording	View Slides
ACSD Quality Improvement Series	April 16, 2025	Translating cardiac surgery PBM guidelines into clinical practice: UVA experience, Dr. Karen Singh, UVA	Listen to recording	View Slides
ACSD Monthly Webinar	May 7, 2025	Preparing for Harvest	Listen to recording	View Slides



Training Manual Updates





Open Discussion

Please use the
raise-hand
function.

Please use the
Q&A Function.

We will answer as
many questions as
possible.

We encourage
your feedback and
want to hear from
you!

Contact Information

- Carole Krohn, Director, STS National Database
 - ckrohn@sts.org
- Nancy Honeycutt, STS National Database Manager, ACSD, Intermacs/Pedimacs
 - nhoneycutt@sts.org
- STSDb@sts.org
 - Database Operational Questions (Billing, Contracts, Contacts)
- STSDb_Helpdesk@sts.org
 - IQVIA/Database Platform Questions (Uploader, DQR, Missing Variable, Dashboard, Password and Login)
- STSDb-FAQ@sts.org
 - Clinical Questions



Thank You for Joining!

Our AQO ACSD Hot Topics Webinar
will be held on Thursday, November
13, 2025, from 11am- 3pm
ET/10am-2pm CT.

Our next ACSD Monthly Webinar
will be held on Wednesday,
December 3, 2025, at 3pm ET/2pm
CT.

