

The Society of Thoracic Surgeons

Adult Cardiac Surgery Database

Quality Improvement Series Webinar

May 20, 2026



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

Agenda

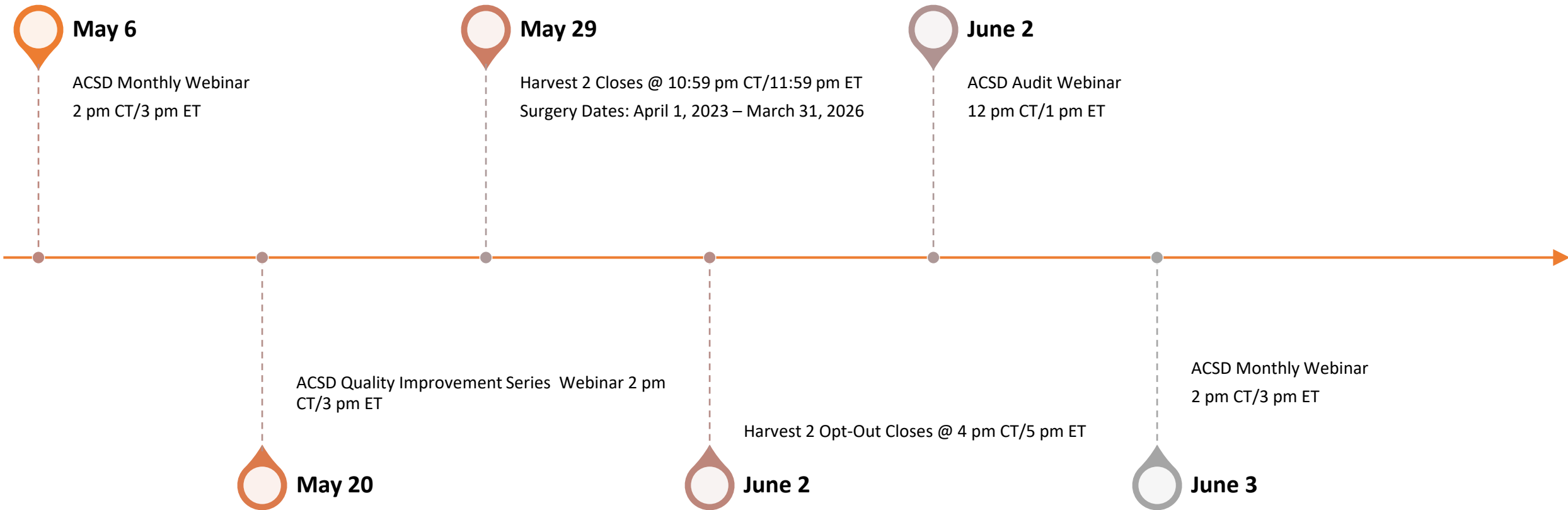
Welcome and Introductions

STS and Training Manual Updates

Data Clean Up

Open Q&A

Important Dates-Timeline



AQO 2026 – New Orleans

- September 30-October 2, 2026
- Intermacs & Pedimacs-Live Virtual Forum-September 24
- CHSD & GTSD Sessions-September 30-October 1
- ACSD Sessions-October 1-October 2 (half day-breakout discussions)
- [AQO 2026 Abstract Submission Form | STS](#)
- Deadline: Friday, June 12.



Important Dates-2026 Harvest

2026 Harvest

Term	Harvest Submission Window Close	Opt-Out Date	Includes Procedures Performed Through:	Report Posting	Comments
Harvest 1	February 20	February 24	December 31, 2025	Spring 2026	Star Rating
Harvest 2	May 29	June 2	March 31, 2026	Summer 2026	
Harvest 3	August 28	September 1	June 30, 2026	Fall 2026	Star Rating
Harvest 4	November 20	November 24	September 30, 2026	Winter 2026/2027	

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

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.



Data Clean Up

- Risk adjusted results and star ratings are not calculated for your site there is $\geq 2\%$ missingness for mortality variables or volume thresholds are not met.
- Please make sure that you are checking for missing data that impacts operative mortality on the **Community Page** and the **Missing Variable Report**.

- 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 Mammary 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
		04/01/2025 - 03/31/2026	6	52	11.54
Isolated MVR or MV Repair		04/01/2023 - 03/31/2024	0	39	0.00
		04/01/2024 - 03/31/2025	0	38	0.00
		04/01/2025 - 03/31/2026	9	51	17.65
AVR + CAB		04/01/2023 - 03/31/2024	0	43	0.00

	04/01/2025 - 03/31/2026	9	51	17.65
AVR + CAB	04/01/2023 - 03/31/2024	0	43	0.00
	04/01/2024 - 03/31/2025	0	32	0.00

Case List

Category	Procedure Group	Surgery Year	Patient ID	Record ID	Access Case
Mortality Analysis	Isolated MVR or MV Repair	2026	V42285687	V42117171	https://sts.ip.igvia.cr
Mortality Analysis	Isolated MVR or MV Repair	2026	V42285677	V42117134	https://sts.ip.igvia.cr
Mortality Analysis	Isolated MVR or MV Repair	2026	V42129283	V42117178	https://sts.ip.igvia.cr
Mortality Analysis	Isolated MVR or MV Repair	2026	V42285713	V42117204	https://sts.ip.igvia.cr

Data Clean Up

- The **Missing Variable Report** is invaluable for checking for additional variables that impact the calculation of operative mortality such as **discharge date**.
- Other variables may impact operative mortality downstream if missing such as **“Patient expired in OR (6546)”** and **“Is the patient still in the Acute Care Hospital Setting (7005)”**.
- Pay special attention to all variables in **Section Q. Discharge/Mortality**.

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: 04/01/2025-03/31/2026

Data Version	Surgery Year	Shortname	Name	Missing %	N
		CALCULATEDBMI	CALCULATED BMI	1	1/165
		DEEPSTERNALINF90	DEEP STERNAL WOUND INFECTION WITHIN 90 DAYS	1	2/165
		DLOCPRED	DLOCO PREDICTED	7	1/15
		HOSPCMSCERT	HOSPITAL CMS CERTIFICATION NUMBER	1	1/165
		INR	RF-INR [2]	4	7/165
		LVSD	HEMO DATA-IV END SYSTOLIC DIMENSION	1	2/147
		MELDISCR	RF-MELD SCORE	7	12/165
		MT30STAT	MORT-300 STATUS [3]	55	90/165
		MTOPD	MORT-OP DEATH [3]	33	1/3
		OCARAAUDI	OTHER CARD-ATRIAL APPENDAGE LIGATION/EXCLUSION UDI	100	24/24
		PATMNAME	PATIENT MIDDLE NAME	68	112/165
		MT30STAT	MORT-300 STATUS [3]	55	90/165
		MTOPD	MORT-OP DEATH [3]	33	1/3
		OCARAAUDI	OTHER CARD-ATRIAL APPENDAGE LIGATION/EXCLUSION UDI	100	24/24
		PATMNAME	PATIENT MIDDLE NAME	68	112/165
		PLATELETS	RF-PLATELETS [2]	1	1/165
		POSTDISDTHLOC	POST DISCHARGE DEATH LOCATION	33	1/3
		PPEF	EJECTION FRACTION POST PROCEDURE	1	1/148
		PREPAGADM	AORTIC GRADIENT - POST REPAIR MEAN	76	118/156

Case List

RECORDID	Data Version	Surgery Year	Name	PATIENT_DISPLAY_ID	Access Case
V42117053	4.20.2	2026	MORT-300 ST...	V42285617	https://sts.iro.lovia.com/
V42117072	4.20.2	2026	MORT-300 ST...	V42285630	https://sts.iro.lovia.com/
V42117236	4.20.2	2026	MORT-300 ST...	V42285740	https://sts.iro.lovia.com/
V42117125	4.20.2	2026	MORT-300 ST...	V42285669	https://sts.iro.lovia.com/

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: 04/01/2025-03/31/2026

Data Version	Surgery Year	Shortname	Name	Missing %	N
4.20.2	2025	MT30STAT	MORT-300 STATUS [3]	0	2/489
		READMIT	READMISSION [3]	4	17/472
	2026	MT30STAT	MORT-300 STATUS [3]	55	90/165
		MTOPD	MORT-OP DEATH [3]	33	1/3
		READMIT	READMISSION [3]	44	67/153
		VENTHRSTOT	TOTAL POSTOPERATIVE VENTILATION HOURS [3]		2/

Q. Discharge / Mortality

Status at 30 days After Surgery (either discharged or in-hospital): ++ Alive Dead Unknown

Mt30Stat (7001)

Did the patient transfer to another acute care hospital after this procedure during same stay: Yes No (If Yes →) Date Transferred: ___/___/___

DischMtPtTrnfAcuteHosp (7003) **DischMtPtTrnfAcuteHospDt (7004)**

Is the patient still in the Acute Care Hospital Setting: Yes No (If No ↓)

DischMtPtAcuteHospStill (7005)

Hospital Discharge Date ___/___/___ (mm/dd/yyyy)

DischDt (7006)

Status at Hospital Discharge++ Discharged Alive, last known status alive (other than Hospice)

DischMortStat (7007) Discharged Alive, died after discharge

Discharged to Hospice

Died in hospital



Q&A



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!

We Need You!

If you have implemented a QI project at your
site, we want to hear about your work!

Please reach out to

Nancy Honeycutt @ nhoneycutt@sts.org.



Thank You for Joining!

ACSD Audit Webinar Tuesday June 2, 2026, 12 pm CT / 1 pm ET

ACSD Monthly Webinar Wednesday, June 3, 2026, at 2pm CT/3pm ET

