

# The Society of Thoracic Surgeons

Adult Cardiac Surgery Database

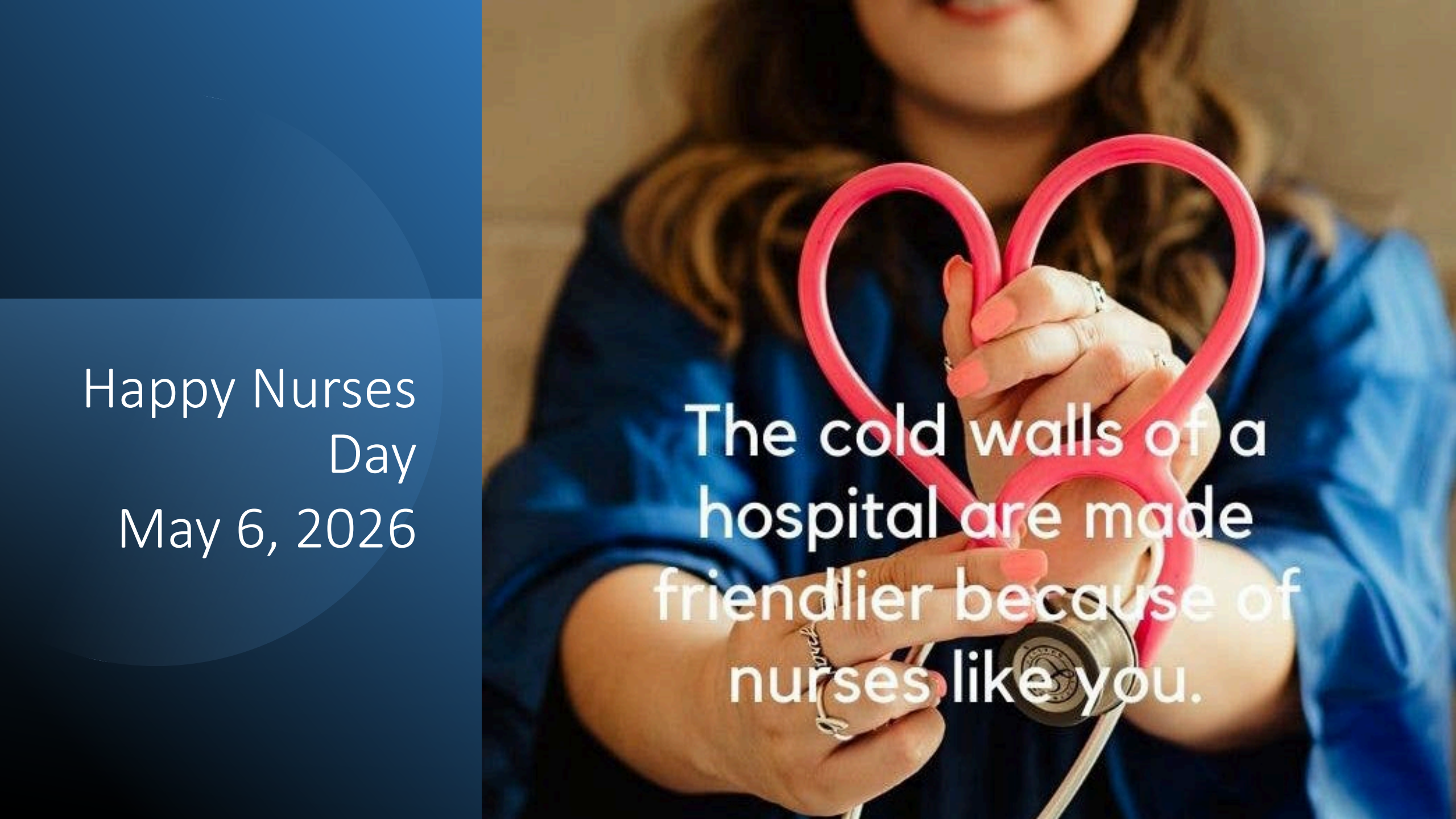
Monthly Webinar

May 6, 2026



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

Happy Nurses  
Day  
May 6, 2026

A close-up photograph of a nurse's hands holding a pink heart-shaped stethoscope. The nurse is wearing blue scrubs and has several rings on her fingers. The background is softly blurred, showing the nurse's face and hair.

The cold walls of a  
hospital are made  
friendlier because of  
nurses like you.

# Agenda

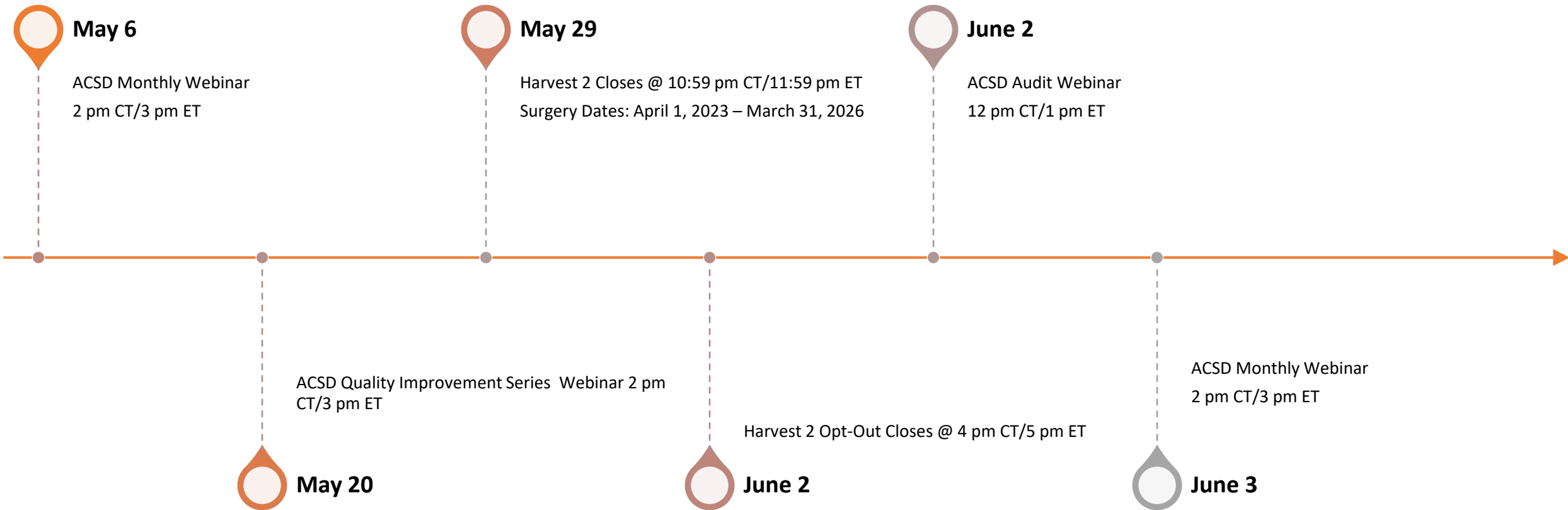
Welcome and Introductions

STS Updates

ACSD Report Enhancements

Q&A

# Important Dates-Timeline



# 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	<a href="https://sts.irq.io/via.cr">https://sts.irq.io/via.cr</a>
Mortality Analysis	Isolated MVR or MV Repair	2026	V42285677	V42117134	<a href="https://sts.irq.io/via.cr">https://sts.irq.io/via.cr</a>
Mortality Analysis	Isolated MVR or MV Repair	2026	V42129283	V42117178	<a href="https://sts.irq.io/via.cr">https://sts.irq.io/via.cr</a>
Mortality Analysis	Isolated MVR or MV Repair	2026	V42285713	V42117204	<a href="https://sts.irq.io/via.cr">https://sts.irq.io/via.cr</a>

# 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**.

Missing Variable Summary

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	DLOO 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	<a href="https://sts.iro.lovia.com/">https://sts.iro.lovia.com/</a>
V42117072	4.20.2	2026	MORT-300 ST...	V42285630	<a href="https://sts.iro.lovia.com/">https://sts.iro.lovia.com/</a>
V42117236	4.20.2	2026	MORT-300 ST...	V42285740	<a href="https://sts.iro.lovia.com/">https://sts.iro.lovia.com/</a>
V42117125	4.20.2	2026	MORT-300 ST...	V42285669	<a href="https://sts.iro.lovia.com/">https://sts.iro.lovia.com/</a>

Missing Variable Summary

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



# 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.



# Exceptional Risk Exclusion

- The Exceptional Risk Exclusion applies to analyzed cases only.
- Request for exclusion must be made prior to surgery.
- Please send your records as an attachment as a reply to the encrypted request for documentation that you receive from the STS.
- PDF format is preferred.
- **IMPORTANT!** Your documentation **MUST** be free from all PHI, hospital identifiers, patient identifiers and provider identifiers.
  - Hospital name, address, phone number
  - Transferring hospital name, address, phone number
  - Patient name, medical record number (you may include DOB)
  - ALL provider identifiers-this includes all surgeons, cardiologists, anesthesiologists, APPs, radiologists, nurses, OR staff, etc.

## > ACSD Harvest Deadlines

### ✓ Exceptional Risk Exclusion Request ←

In highly extraordinary circumstances, adult cardiac index operations with rare co-morbidities that fall outside of the current STS risk models for benchmark operations may be performed by STS Database participants. If you believe a case meets exceptional risk criteria and would like it reviewed by the Exceptional Risk Exclusion Committee (EREC), [complete this form](#) prior to the date of surgery. STS will contact you or your data manager for specific case information and documentation to determine if the case meets the exclusion requirements. You will be notified of the final decision after the date of surgery. If the case is approved by the EREC as exceptional risk, the complete in-hospital and/or 30-day data including mortality information must still be submitted to the STS National Database, but it will be removed from outcome reporting.

Cases to be considered for exceptional risk include, but are not limited to, the following:

- Fourth-time or greater re-operative epicardial or intra-cardiac operations
- Hepatic cirrhosis with known portal hypertension manifested by clear varices or portal ultrasound
- Under active consideration/evaluation for liver or lung transplantation (being considered or listed for kidney transplantation)

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Cases to be considered for exceptional risk include, but are not limited to, the following:

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# ACSD Reporting Enhancements

Case Mix Report

Failure to Rescue

Surgical Treatment of  
Afib Process Measure





## **Adult Cardiac Surgery Database**

**Case Mix Report**

**ACSD - 2025 Harvest 4**

Oct 2022-Sep 2025

Participant ID: ZZZZZ

Created on: MAR/20/2026

# Case Mix Report



*The STS ACSD Case Mix Report is a new supplemental report provided to participants to provide insights about the surgical case mix at their own site compared to the corresponding STS ACSD rates and frequencies.*



*The data in the will be based on the 3-year harvest analysis window.*



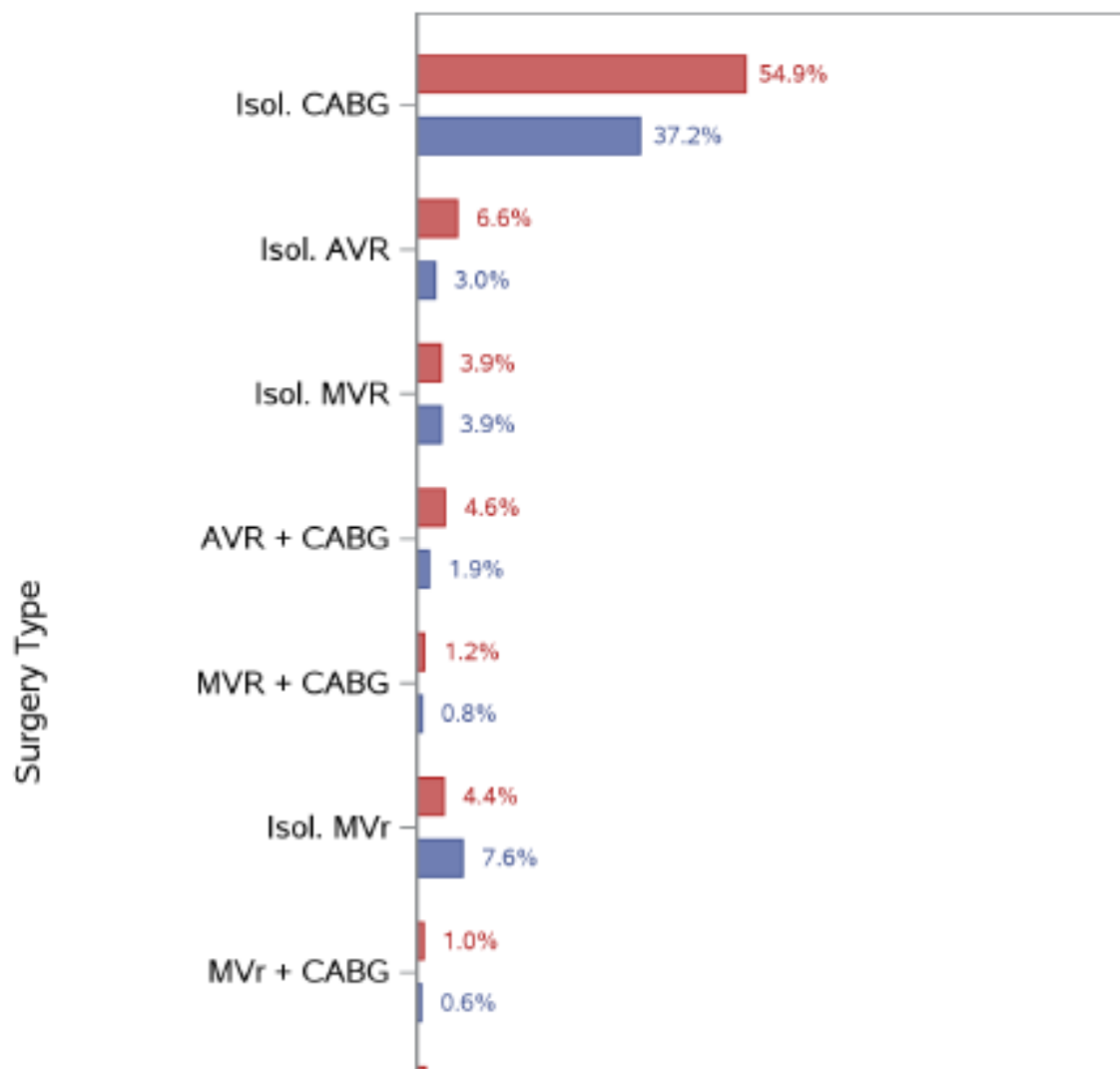
*The report will also provide the predicted risk of operative mortality (PROM) based on the STS risk models both overall and for each of the 9 analyzed cardiac surgery procedure types (Proc IDs 1-5 and 7-10)*



*PROM distributions and averages are also compared to STS-wide corresponding PROM data over the same time period.*



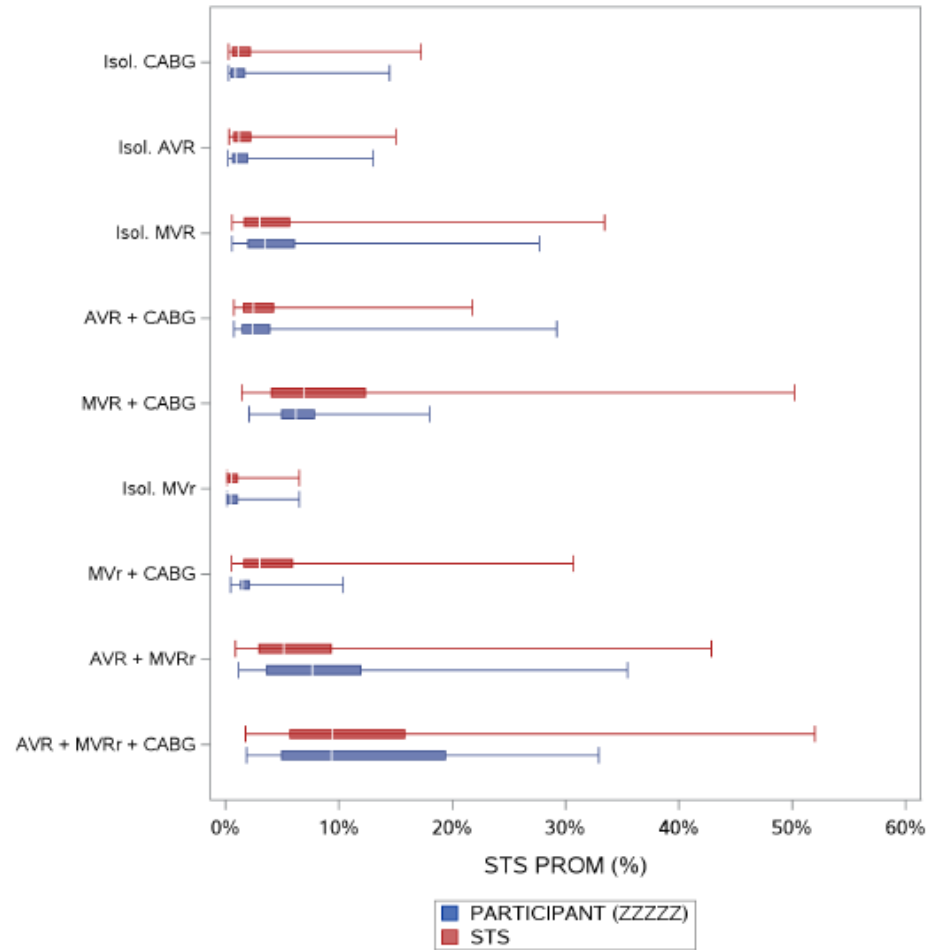
### Case Frequency by Surgery Type



ProcID	Surgery Type	Frequency	Percent
1	Isol. CABG	1,551	37.24%
2	Isol. AVR	123	2.95%
3	Isol. MVR	164	3.94%
4	AVR + CABG	80	1.92%
5	MVR + CABG	32	0.77%
7	Isol. MVr	315	7.56%
8	MVr + CABG	25	0.60%
9	AVR + MVRr	54	1.30%

Case Mix: ACSD 2025 H4  
 PID: ZZZZZ

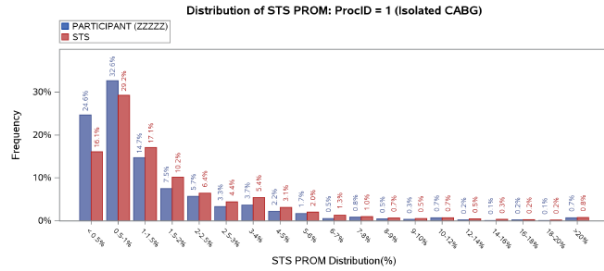
STS PROM (%) by Surgery Type



Whiskers: 1st and 99th Percentiles  
 Box edges: 25th and 75th Percentiles  
 White line (in Box): median PROM

Mean PROM by Surgery Type	Participant (%)	STS (%)
Isol. CABG	1.70%	2.14%
Isol. AVR	2.01%	2.09%
Isol. MVR	5.21%	4.96%
AVR + CABG	3.60%	3.74%
MVR + CABG	7.10%	10.00%
Isol. MVr	1.00%	0.96%
MVr + CABG	2.39%	4.94%
AVR + MVRr	9.56%	7.72%
AVR + MVRr + CABG	12.92%	12.53%

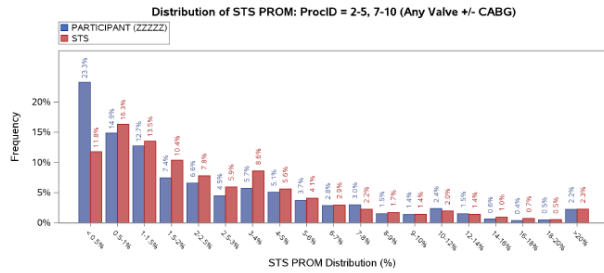
Case Mix: ACSD 2025 H4  
PID: ZZZZZ



ProcID = 1 (Isolated CABG)

Statistic	Participant	STS
Mean	1.70%	2.14%
SD	3.13%	3.87%
Min	0.15%	0.10%
5th %ile	0.27%	0.33%
25th %ile	0.50%	0.63%
Median	0.86%	1.11%
75th %ile	1.68%	2.17%
95th %ile	5.38%	6.83%

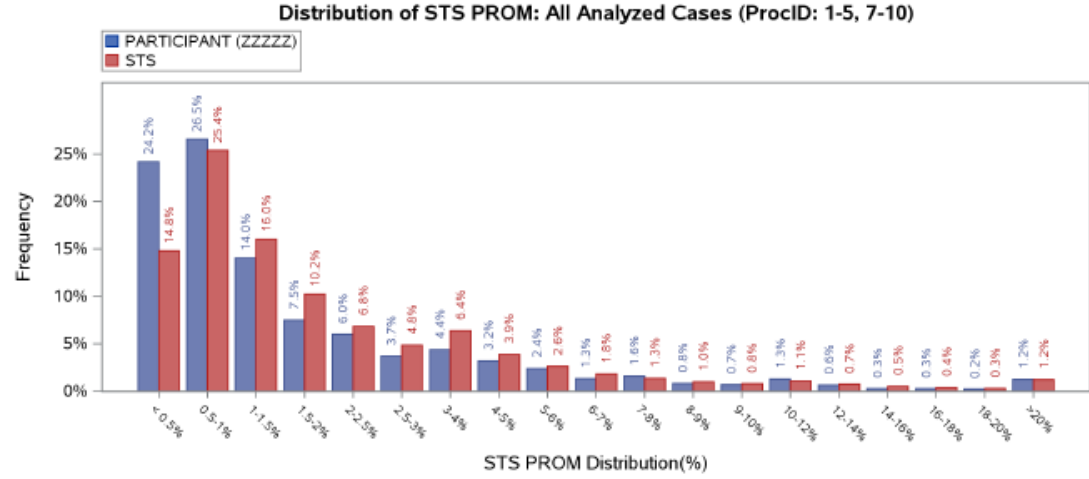
Case Mix: ACSD 2025 H4  
PID: ZZZZZ



ProcID = 2-5, 7-10 (Any Valve +/- CABG)

Statistic	Participant	STS
Mean	3.34%	3.73%
SD	4.97%	5.77%
Min	0.06%	0.00%
5th %ile	0.19%	0.29%
25th %ile	0.55%	0.90%
Median	1.47%	1.89%
75th %ile	3.98%	4.12%
95th %ile	13.35%	13.17%

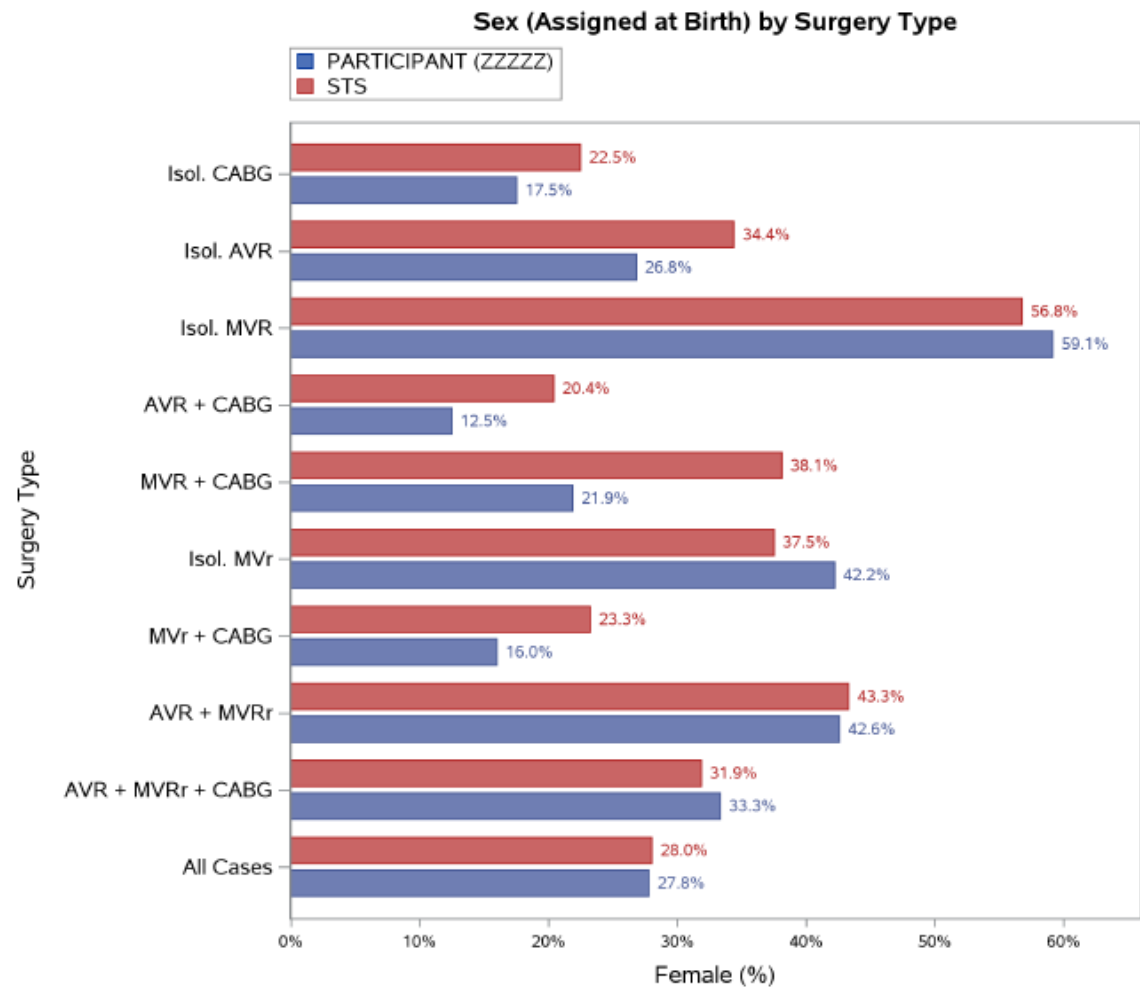
Case Mix: ACSD 2025 H4  
PID: ZZZZZ



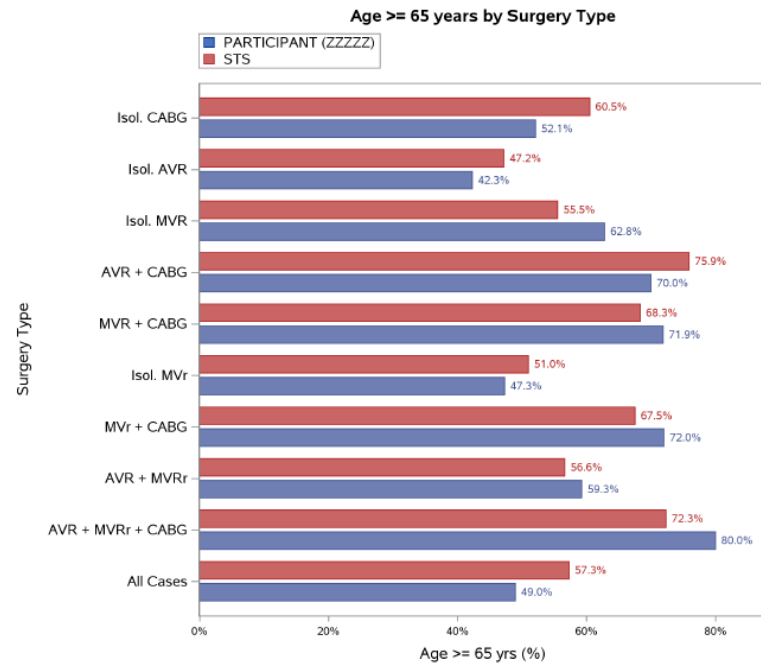
All Analyzed Cases (ProcID: 1-5, 7-10)

Statistic	Participant	STS
Mean	2.26%	2.61%
SD	3.94%	4.58%
Min	0.06%	0.00%
5th %ile	0.25%	0.32%
25th %ile	0.51%	0.68%
Median	0.98%	1.28%
75th %ile	2.22%	2.67%
95th %ile	8.35%	8.96%
Max	48.64%	99.50%

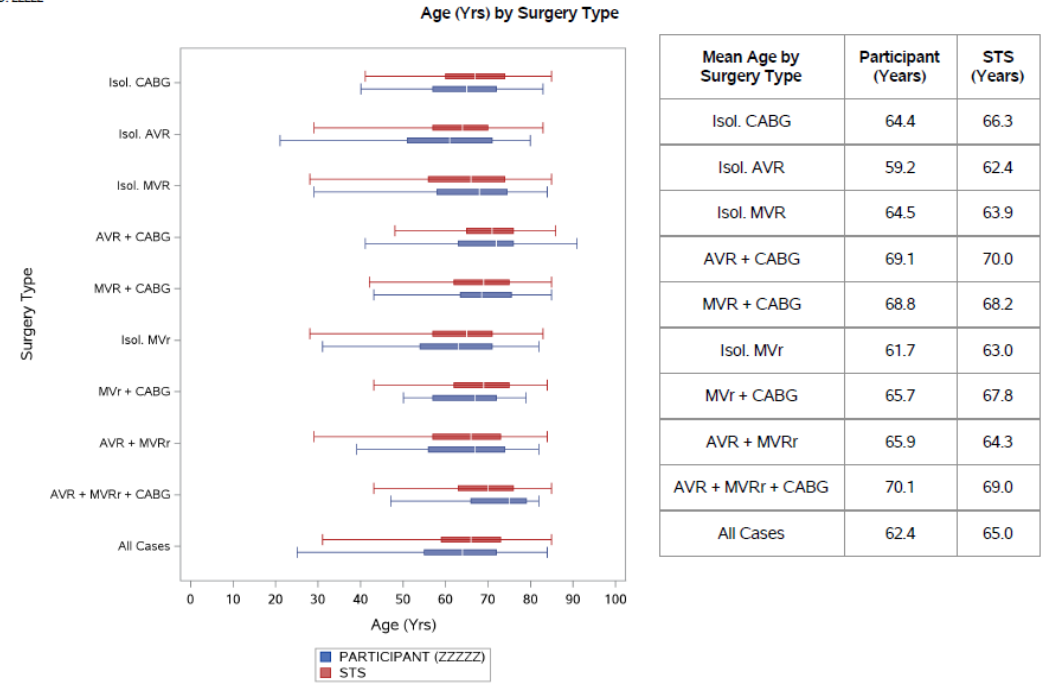
Case Mix: ACS 2025 H4  
PID: ZZZZ



Case Mix: ACSD 2025 H4  
PID: ZZZZ



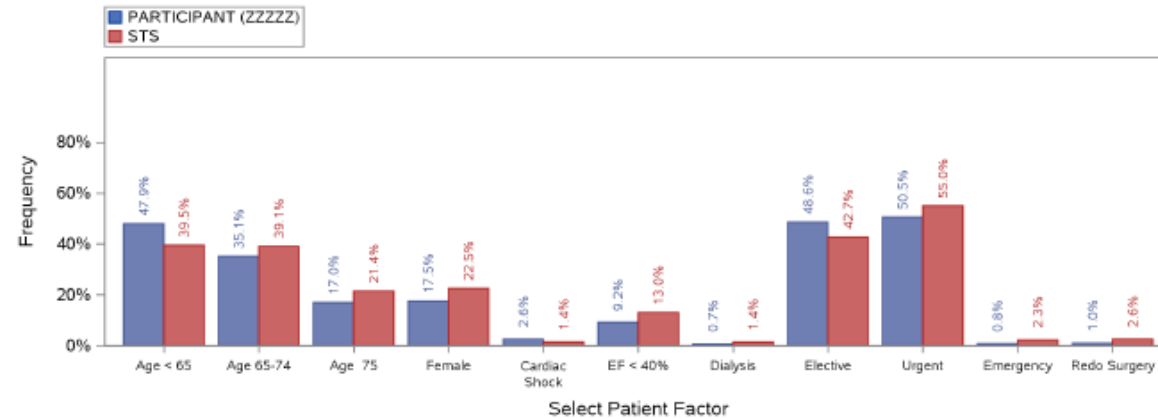
Case Mix: ACSD 2025 H4  
PID: ZZZZ



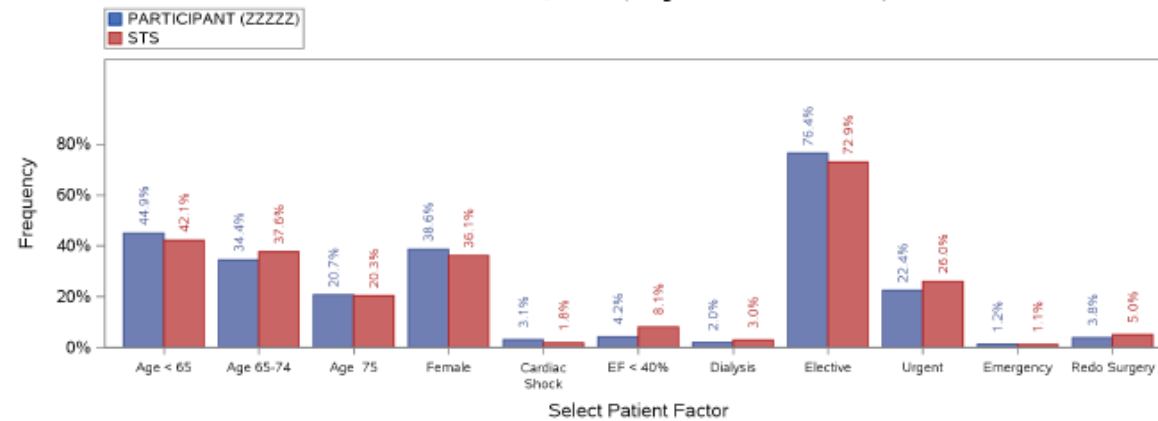
Whiskers: 1st and 99th Percentiles  
Box edges: 25th and 75th Percentiles  
White line (in Box): median age

Case Mix: ACSD 2025 H4  
PID: ZZZZZ

### ProcID = 1 (Isolated CABG)



### ProcID = 2-5, 7-10 (Any Valve +/- CABG)



# Case Mix Report

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The Case Mix Report will be published as a site-specific PDF document that will be available on the IQVIA platform under the Library tab.

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The report will be posted to the IQVIA Library May 25, 2026.

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The first report will use Harvest 1, 2026 data.

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May eventually increase distribution to Harvest 3, as well.

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It is possible this report may become available as an electronic report on the IQVIA platform in the future.



# Failure to Rescue: A New Society of Thoracic Surgeons Quality Metric for Cardiac Surgery

Failure to rescue is defined as an operative mortality in any patient who experiences any one or more of the following four major morbidities: prolonged ventilation, stroke, reoperation for cardiac reasons, and renal failure (deep sternal wound infection is not included due to low prevalence).

J. MAXWELL CHAMBERLAIN MEMORIAL PAPER FOR PERIOPERATIVE AND CRITICAL CARE SURGERY

## Failure to Rescue: A New Society of Thoracic Surgeons Quality Metric for Cardiac Surgery



Paul A. Kurlansky, MD, Sean M. O'Brien, PhD, Christina M. Vassileva, MD, Kevin W. Lobdell, MD, Fred H. Edwards, MD, Jeffrey P. Jacobs, MD, Moritz Wyler von Ballmoos, MD, PhD, Gaetano Paone, MD, James R. Edgerton, MD, Vinod H. Thourani, MD, Anthony P. Furnary, MD, Victor A. Ferraris, MD, PhD, Joseph C. Cleveland, Jr, MD, Michael E. Bowdish, MD, MS, Donald S. Likosky, PhD, Vinay Badhwar, MD, and David M. Shahian, MD




*Kurlansky et al., Ann Thorac Surg. 2022; 113:1935-42.*

# Failure to Rescue

- **Failure to rescue** will be reported in the **Risk Adjusted and Regional Outcomes** under the **Multiprocedural** category and includes all analyzed procedures (ProclDs 1-5, 7-10).
- The metric will be added as a new outcome under the **Risk-Adjusted Data Summary**, beginning with Harvest 2, 2026 reports.
- ORs, O/Es, risk-adjusted rates and observed rates will be provided for each harvest year for participants, like groups, regions, and STS, similar to the in-hospital and operative mortality for all procedure cohorts, seen below:

**Risk Adjusted and Regional Outcomes**

- Isolated CABG
- Isolated CABG - Subset: On Pump Procedures
- Isolated CABG - Subset: Off Pump Procedures
- Isolated CABG - Subset: First Operations
- Isolated CABG - Subset: Reoperations
- Isolated Aortic Valve Replacement
- Isolated Aortic Valve Replacement + CABG
- Isolated Mitral Valve Replacement
- Isolated Mitral Valve Replacement + CABG
- Isolated Mitral Valve Repair
- Isolated Mitral Valve Repair + CABG
- Multivalve
- MultiValve + CABG
- Multiprocedural

 The Society of Thoracic Surgeons

Multiprocedural Risk-Adjusted Data Summary  
Participant [REDACTED]  
STS Period Ending Dec 2025

**Mortality Risk-Adjustment**

Outcome		My Site 2023	My Site 2024	My Site 2025	Like Group 2025	Region 2025	STS 2025
In-hospital Mortality	OR (95% CI)	0.59 (0.32-1.09)	0.49 (0.24-0.98)	0.68 (0.35-1.33)	1.16 (1.04-1.29)	0.76 (0.60-0.97)	1.00
	O/E (95% CI)	0.48 (0.18-1.06)	0.24 (0.04-0.82)	0.55 (0.18-1.35)	1.03 (0.97-1.08)	0.82 (0.71-0.95)	1.00
	Risk-adjusted Rate	0.98%	0.47%	1.07%	2.00%	1.60%	1.94%
Operative Mortality	OR (95% CI)	0.53 (0.30-0.94)	0.44 (0.23-0.83)	0.65 (0.36-1.18)	1.16 (1.05-1.27)	0.74 (0.60-0.91)	1.00
	O/E (95% CI)	0.38 (0.14-0.85)	0.18 (0.03-0.63)	0.52 (0.19-1.17)	1.03 (0.98-1.08)	0.79 (0.69-0.90)	1.00
	Risk-adjusted Rate	1.01%	0.46%	1.32%	2.60%	1.99%	2.53%

OR = Odds Ratio; O/E = Observed-to-Expected Ratio; CI = Confidence interval;



# Failure to Rescue

- D=patients with one or more of the 4 major morbidities
- N=patients with one or more of the 4 major morbidities who experience an operative mortality
- Patients who expire in the operating room are excluded from this metric.
- Major morbidities include:
  - Prolonged ventilation
  - Stroke
  - Reoperation for cardiac reasons
  - Renal failure



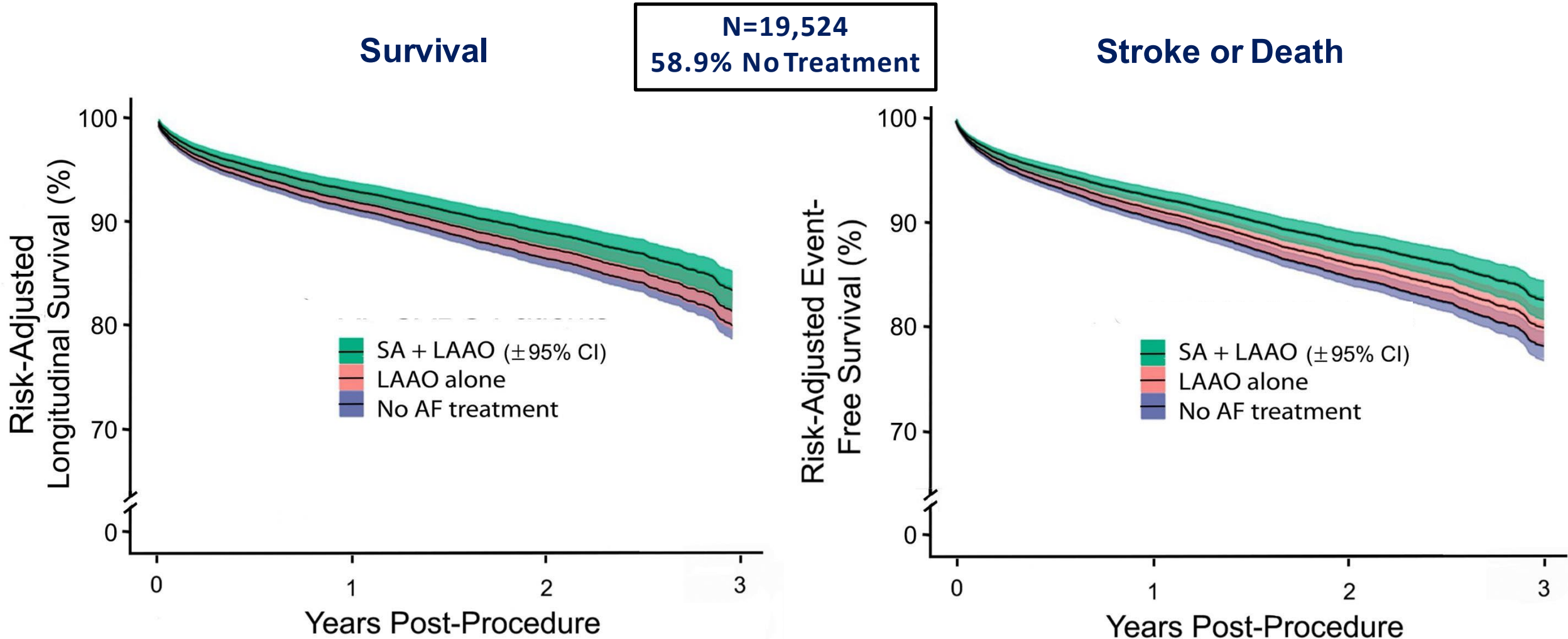
# Surgical Treatment of A-Fib Process Measure

***There is strong evidence to support a long-term survival and stroke risk benefit for the treatment of atrial fibrillation at the time of first-time cardiac surgery***

However, the consistent application of *these techniques is highly variable*



# CMS Study – CABG Only (2018 – 2020)



**Superior Survival and Stroke Free Survival with SA + LAAO**



Mehaffey et al., *Ann Thorac Surg.* 2024 May;117(5):942-949.

# STS Guidelines for Treatment of Preoperative Atrial Fibrillation

## CLINICAL PRACTICE GUIDELINE

### The Society of Thoracic Surgeons 2023 Clinical Practice Guidelines for the Surgical Treatment of Atrial Fibrillation



Moritz C. Wyler von Ballmoos, MD, PhD,<sup>1</sup> Dawn S. Hui, MD,<sup>2</sup> J. Hunter Mehaffey, MD, MSc,<sup>3</sup> S. Chris Malaisrie, MD,<sup>4</sup> Panos N. Vardas, MD,<sup>5</sup> A. Marc Gillinov, MD,<sup>6</sup> Thoralf M. Sundt, MD,<sup>7</sup> and Vinay Badhwar, MD<sup>3</sup>

#### First-time non-emergent operations with Afib:

Mitral surgery--Surgical ablation  
Nonmitral surgery--Surgical ablation  
LAA obliteration, with or without surgical  
ablation

STS 2023 Clinical Practice Guidelines	COR	LOE
Surgical ablation for atrial fibrillation is recommended for first-time nonemergent concomitant <i>mitral operations</i> to restore sinus rhythm and improve long-term outcomes.	I	A
Surgical ablation for atrial fibrillation is recommended for any first-time nonemergent concomitant <i>nonmitral operation</i> to restore sinus rhythm and improve long-term outcomes.	I	B-NR
Left atrial appendage obliteration for atrial fibrillation is recommended for all first-time nonemergent cardiac surgery procedures, with or without concomitant surgical ablation, to reduce morbidity from thromboembolic complications.	I	A



Wyler von Ballmoos et al., *Ann Thorac Surg.* 2024; 118:291-311.

# European Guidelines for Treatment of Preoperative Atrial Fibrillation

**Recommendation Table 11** — Recommendations for surgical left atrial appendage occlusion (see also Evidence Table 11)

Recommendations	Class <sup>a</sup>	Level <sup>b</sup>
Surgical closure of the left atrial appendage is recommended as an adjunct to oral anticoagulation in patients with AF undergoing cardiac surgery to prevent ischaemic stroke and thromboembolism. <sup>400,401,408–412</sup>	<b>I</b>	<b>B</b>

**Recommendation Table 22** — Recommendations for AF ablation during cardiac surgery (see also Evidence Table 22)

Recommendations	Class <sup>a</sup>	Level <sup>b</sup>
Concomitant surgical ablation is recommended in patients undergoing mitral valve surgery and AF suitable for a rhythm control strategy to prevent symptoms and recurrence of AF, with shared decision-making supported by an experienced team of electrophysiologists and arrhythmia surgeons. <sup>683–685,701</sup>	<b>I</b>	<b>A</b>
Concomitant surgical ablation should be considered in patients undergoing non-mitral valve cardiac surgery and AF suitable for a rhythm control strategy to prevent symptoms and recurrence of AF, with shared decision-making supported by an experienced team of electrophysiologists and arrhythmia surgeons. <sup>701,703–707</sup>	<b>IIa</b>	<b>B</b>

**ESC, EACTS, and STS**  **Very Similar Guidelines**

# Measure Rationale

*Surgical treatment of atrial fibrillation during cardiac surgery is associated with improved long-term outcomes and survival compared to no atrial fibrillation treatment*

# Measure Denominator

- *All patients  $\geq 18$  undergoing first-time cardiac surgery with a history of untreated paroxysmal or persistent atrial fibrillation, undergoing one of the following:*

- Isolated CABG (Proc ID 1)
- Isolated AVR (Proc ID 2)
- Isolated MVR (Proc ID 3)
- Isolated AVR + CABG (Proc ID 4)
- Isolated MVR + CABG (Proc ID 5)
- Isolated MV Repair (Proc ID 7)
- Isolated MV Repair + CABG (Proc ID 8)
- Multivalve procedures (Proc ID 9)
- Multivalve procedures + CABG (Proc ID 10)



# Measure Numerator

*Patients in denominator who receive at least one surgical treatment for atrial fibrillation during the procedure.*

## ***Treatment may include***

**Left atrial appendage occlusion/obliteration or  
amputation**

**Any epicardial or intracardiac ablation**

**OR**

**Both**

“Left Atrial Appendage Obliteration (4139)”, “Left Atrial Appendage Amputation (4142)” and “Lesion location (4191) = Epicardial, Intracardiac or Both”



# Measure Exclusions

*Patients will be excluded from measure reporting for any of the following:*

- Previous cardiac surgery via sternotomy or thoracotomy
- Previous mediastinal radiation
- Previous surgical or percutaneous treatment of atrial fibrillation or previous left atrial appendage occlusion (any approach)
- Emergent or salvage procedure
- No history of paroxysmal or persistent atrial fibrillation



# Surgical Treatment of A-Fib Process Measure



The Society  
of Thoracic  
Surgeons

[Export Report](#)  
Zoom function may impact print quality.  
Refresh browser to reset all zooms.

## Data Analyses of The Society of Thoracic Surgeons

Participant: 99999  
STS Period Ending Dec 2025

Quality Ratings	Quality Rating Details	Rating Trends	Process and Outcome Measures
<a href="#">CABG</a>	<a href="#">CABG</a>	<a href="#">Rating Trends</a>	<a href="#">CABG Process Measures</a>
<a href="#">AVR</a>	<a href="#">AVR</a>		<a href="#">CABG Outcome Measures</a>
<a href="#">AVR + CABG</a>	<a href="#">AVR + CABG</a>		<a href="#">All Cardiac Surgeries Process Measures</a>
<a href="#">MVRR</a>	<a href="#">MVRR</a>		<a href="#">Mortality Outcome Measures</a>
<a href="#">MVRR + CABG</a>	<a href="#">MVRR + CABG</a>		
<a href="#">Multiprocedural</a>	<a href="#">Multiprocedural</a>		

## Risk-Adjusted Reports

Atrial Fibrillation will be presented as a new tab under Process and Outcome Measures. New tab title: **Surgical Treatment of A-Fib Process Measure**

Process and Outcome Measures
<a href="#">CABG Process Measures</a>
<a href="#">CABG Outcome Measures</a>
<a href="#">All Cardiac Surgeries Process Measures</a>
<a href="#">Mortality Outcome Measures</a>
<a href="#">Surgical Treatment of A-Fib Process Measure</a>



# Surgical Treatment of A-Fib Process Measure

Atrial Fibrillation Cohort	Surgical Treatment	Participant					STS				
		Eligible	Observed	95% CI (LB)	95% CI (UB)	percentile	Mean	Min-Max	10th	50th	90th
All Cases	Any Afib Procedure*	248	81.9%	76.5%	86.4%	60.4	75.3%	40.1-100%	46.5%	78.3%	94.8%
Mitral Valve - Yes	Any Afib Procedure*	170	90.6%	85.2%	94.5%	40.9	87.0%	45.0-100%	68.0%	93.1%	100.0%
Mitral Valve - Yes	Ablation**	170	73.5%	66.2%	80.0%	62.4	63.3%	5.0-100%	20.0%	65.0%	100.0%
Mitral Valve - No	Any Afib Procedure*	78	62.8%	51.1%	73.5%	36.4	69.4%	25.1-100%	38.4%	71.8%	94.2%
Mitral Valve - No	Ablation**	78	41.0%	30.0%	52.7%	66.0	35.0%	0-100%	3.1%	31.1%	62.9%

\*Any A-Fib Procedure includes: Any left atrial appendage obliteration, or left atrial appendage amputation, or any epicardial or intracardiac ablation

\*\*Ablation includes: Any epicardial or intracardiac ablation with or without an atrial appendage obliteration or left atrial appendage amputation



# Measure Reporting

- Overall participant and national average compliance will be reported in quarterly harvest reports, beginning with Harvest 2, 2026.
- There will be no threshold initially
- Once the national average reaches an acceptable rate, star ratings and public reporting will be considered.



# 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](mailto:nhoneycutt@sts.org).



# Thank You for Joining!

Reminder: Our next ACSD QI Series Webinar will be held on  
Wednesday, May 20, 2026, at 2pm CT/3pm ET.

