

January 2023



**NCDR**<sup>®</sup>  
NATIONAL CARDIOVASCULAR DATA REGISTRY

**Presented Abstracts From the  
STS/ACC TVT Registry**

January 2023

## STS/ACC TVT Registry™

1. **416:** Incidence, Predictors, and Clinical Impact of Recovery in Left Ventricular Systolic Function After Transcatheter Aortic Valve Implantation in the STS/ACC TVT Registry. S. Patel. [ACC 2022. Poster Presentation.](#)
2. **479:** Comparing Volume Versus Quality Thresholds on Outcomes and Access to Transcatheter Aortic Valve Replacement (TAVR) in the United States: Insights from the TVT Registry. A. Nelson. [ACC 2022. Moderated Poster Presentation.](#)
3. **573:** Correlation Between Hospital Procedural Volumes and Outcomes for TAVR And MTEER In the United States: An STS/ACC TVT Registry Analysis. D. Kumbhani. [ACC 2022. Poster Presentation.](#)
4. **N/A:** Validation of the STS/ACC TVT Risk Score in Patients Undergoing Transcatheter Aortic Valve Replacement Stratified by Risk. [ACC 2022. Moderated Poster Presentation.](#)
5. **548:** Transcatheter Edge-to-Edge Repair in Patients with Severe Mitral Regurgitation and Cardiogenic Shock: Insights from the TVT Registry. [TCT 2022. Oral Presentation.](#)
6. **613:** Mediators of Improvement in TAVR Outcomes Over Time: Insights from the STS-ACC TVT Registry. [TCT 2022. Oral Presentation.](#)
7. **431:** National Trends in Permanent Pacemaker Implantation after Transcatheter Aortic Valve Replacement: An Analysis From the STS/ACC TVT Registry. K. Chau. [TCT 2021. Oral Presentation.](#)
8. **561:** Outcomes of Transcatheter Aortic Valve Replacement with a Balloon-Expandable Valve for Bicuspid vs Tricuspid Aortic Stenosis. R. Makkar. [TCT 2021. Oral Presentation.](#)
9. **592:** Transcatheter Aortic Valve Replacement in Large Annuli Valves™ with the Supra-Annular, Self-Expandable Evolut Platform: Insights From the STS/ACC TVT Registry. [TCT 2021. Poster Presentation.](#)
10. **342:** Peripheral versus Central Access for Alternative Access Transcatheter Aortic Valve Replacement (TAVR): Results from the TVT Registry. T. Kaneko. [ACC 2020. Virtual Poster Presentation.](#)
11. **350A:** Low Body Mass Index is Associated with Higher Rates of Death in Patients Undergoing Transcatheter Mitral Valve Repair: A Report from the STS/ACC TVT Registry TM. Arora. [ACC 2020. Poster Presentation.](#)
12. **413:** Conscious Sedation versus General Anesthesia for Transcatheter Aortic Valve Replacement: Variation in Practice and Outcomes in the STS/ACC TVT Registry. Butala. [ACC 2020. Virtual Poster Presentation.](#)
13. **440:** Acute Kidney Injury in Transcatheter Aortic Valve Replacement. H. Julien. [CRT 2020. Poster Presentation.](#)
14. **350B:** Relationship of Body Mass Index with Outcomes After Transcatheter Aortic Valve Replacement: Results from the National Cardiovascular Data–STS/ACC TVT Registry. A. Sharma. [Mayo Clinic Proceedings 2020. Oral Presentation.](#)
15. **421:** Institution-Level Variability in 30-day Patient Outcomes after Transcatheter Mitral Valve Repair in the United States. Malik. [QCOR 2020. Poster Presentation.](#)
16. **422:** Patient-Reported Health Status Changes is Associated with Subsequent Clinical Outcomes After Transcatheter Valve Therapies: Insights from the STS/ACC TVT Registry. Hejjaji. [QCOR 2020.](#)
17. **472:** Association of Cerebral Embolic Protection Devices with Transcatheter Aortic Valve Replacement Outcomes: Results from the STS/ACC TVT Registry. Butala. [TCT Connect 2020. Oral Presentation.](#)

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18. **518:** Outcome of Redo TAVR for failing transcatheter heart valves. A. Zajarias. **TCT 2020. Poster Presentation.**
19. **592:** Redo Transcatheter Aortic Valve Replacement with the Supra-Annular, Self-Expandable Evolut Platform: Insights from the TVT Registry. Harvey. **TCT 2020. Oral Presentation.**
20. **258:** Pre versus post-procedure clinical event rates and associated healthcare resource utilization in patients who undergo commercial Mitra Clip placement for severe mitral regurgitation. S. Vemulapalli. **ACC 2019. Poster Presentation.**
21. **353:** Sex-Based Differences in Outcomes After Transcatheter Repair of Mitral Regurgitation with the Mitra Clip System. P. Villablanca. **ACC 2019. Moderated Poster Presentation.**
22. **639:** Variation in post-TAVR Antithrombotic Therapy and Outcomes in Patients with Preexisting Atrial Fibrillation: Insights from the STS/ACC TVT® Registry. Gupta. **AHA 2019. Poster Presentation.**
23. **N/A.** Variation in post-TAVR Antithrombotic Therapy and Outcomes in Patients with Preexisting Atrial Fibrillation: Insights from the STS/ACC TVT® Registry. Gupta. **AHA 2019. Oral Presentation.**
24. **357:** Does Driving Time to the Transcatheter Aortic Valve Replacement Site Impacts on Long-Term Mortality Following a Successful Procedure? Insights from the STS/ACC TVT Registry. G. Marquis-Gravel. **QCOR 2019. Poster Presentation.**
25. **371:** Learning curve for transcatheter mitral repair: Insights from the STS/ACC TVT Registry. A. Chhatrwalla. **TCT 2019. Late Breaking Clinical Trial Presentation.**
26. **456:** Incidence and Outcomes of Patient-Prosthesis Mismatch Following Self-Expanding Transcatheter Aortic Valve Replacement in Native Aortic Stenosis: An Analysis from the STS/ACC TVT Registry. G. Tang. **TCT 2019. Poster Presentation.**
27. **215:** Atrial Fibrillation Is Associated with Higher Rates of Death and Heart Failure Hospitalizations in Patients Undergoing Mitra Clip: Outcomes from the TVT Registry. Arora. **ACC 2018. Poster Presentation.**
28. **249:** Outcomes After Transcatheter Mitral Valve Repair in Patients with Chronic Kidney Disease: An Analysis of 5,241 Patients in the United States. B. Shah. **ACC 2018. Poster Presentation.**
29. **254:** Outcomes Following Urgent/Emergent Transcatheter Aortic Valve Replacement: Insights From the STS/ACC TVT Registry. D. Kolte. **ACC 2018. Moderated Poster.**
30. **260:** High Hospital Variability in Mortality After TAVR Can Be Explained by Differences in Failure to Rescue from Post Procedural Complications. Bishawi. **ACC 2018. Moderated Poster.**
31. **267:** The Effect and Relationship of Age and Frailty on Survival in Patients Undergoing Transcatheter Aortic Valve Replacement. Kiani. **ACC 2018. Moderated Poster.**
32. **291:** Racial / Ethnic Disparities in Baseline Characteristics and 1-Year Outcomes After TAVR: A Report from the Transcatheter Valve Therapy (TVT) Registry. Vemulapalli. **AHA 2018. Moderated Poster Presentation.**
33. **224:** Association of renin-angiotensin system inhibition with clinical outcomes in patients undergoing transcatheter aortic valve replacement: analysis from the STS/ACC TVT Registry. Inohara. **Euro PCR 2018.**
34. **256:** 30-day outcomes of transcatheter mitral valve replacement in native mitral valve disease with severe mitral annular calcification in the United States: Data from the STS/ACC/TVT Registry. M. Guerrero. **Euro PCR 2018. Late Breaking Clinical Trial Poster Presentation.**
35. **450:** Real World Outcomes of TAVR with the SAPIEN-3 Valve in Intermediate Risk Patients: Comparison of Data from the TVT Registry with PARTNER S3 Studies. Tuzcu. **Euro PCR 2018. Oral Presentation.**

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36. **194:** Predictors and Outcomes of Aborted Procedures During Elective Transcatheter Aortic Valve Replacement. J. Rymer. **TCT 2018. Oral Presentation.**
37. **263:** Incidence and Risk Factors for Early Stroke after Transcatheter Aortic Valve Replacement: Insights from the STS-ACC TVT Registry. C. Huded. **TCT 2018. Poster Presentation.**
38. **264:** Incidence, Predictors, and Outcomes of Prosthesis-Patient Mismatch in 62,125 TAVR Patients An STS/ACC TVT Registry Report. H. Herrmann. **TCT 2018. Oral Presentation.**
39. **272:** Quality of Life Outcomes After MitraClip in a Real-World Population. Results from the STS/ACC Transcatheter Valve Therapy Registry. S. Arnold. **TCT 2018. Oral Presentation.**
40. **285:** Mitral Valve Gradient, Heart Failure Admissions and One Year Mortality Following MitraClip Repair in 5,378 Patients: Results from the ACC/STS TVT Registry. L. V. Assche. **TCT 2018. Oral Presentation.**
41. **296:** Effects of Pulmonary Hypertension on Transcatheter Mitral Valve Repair Outcomes: Analysis of the STS/ACC TVT Registry. **TCT 2018. Moderated Poster Presentation.**
42. **7:** Patterns of Red Blood Cell Transfusion and Associated Outcomes in patients undergoing TAVR in the U.S.: Insights from the STS/ACC TVT Registry. M. Sherwood **ACC 2017. Poster Presentation.**
43. **114:** Impact of the Presence of Coronary Artery Disease and Timing of Revascularization on Outcomes of Patients Undergoing Trans-Catheter Aortic Valve Replacement: Insights From STS/ACC TVT Registry. H. Tankazyan. **ACC 2017. Poster Presentation.**
44. **130:** Direct-home discharge and likelihood of 30-day hospital readmission after transcatheter aortic valve replacement (TAVR): Findings from the STS/ACC TVT Registry. J. Dodson **ACC 2017. Poster Presentation.**
45. **153:** Prevalence and Outcomes of Mitral Stenosis in Patients Undergoing Transcatheter Aortic Valve Replacement: Findings from the Society of Thoracic Surgeons/ American College of Cardiology (STS/ACC) Transcatheter Valve Therapies (TVT) Registry. L. Joseph. **ACC 2017. Poster Presentation.**
46. **155B:** New-Onset Atrial Fibrillation Following Transcatheter Aortic Valve Replacement: Incidence, Anticoagulant Strategy, and Outcomes. A. Vora. **ACC 2017. Oral Presentation.**
47. **156:** Incidence and Outcomes of Patients Requiring Surgical Bail-Out during Transcatheter Aortic Valve Replacement from the NCDR<sup>®</sup> STS/ACC TVT Registry. A. Moldonado. **ACC 2017. Moderated Poster Presentation.**
48. **190:** Peripheral Artery Disease and Transcatheter Aortic Valve Replacement Outcomes: A Report From the STS/TVT Registry. A. Fanaroff. **ACC 2017. Poster Presentation.**
49. **191A:** Stroke and Cardiovascular Outcomes in Patients with Carotid Disease Undergoing TAVR: Insights From the STS/TVT Registry. A. Kochar. **ACC 2017. Poster Presentation.**
50. **191B:** Stroke and Cardiovascular Outcomes in Patients with Carotid Disease Undergoing TAVR: Insights From the STS/TVT Registry. Kochar. **ACC 2017. Poster Presentation.**
51. **245B:** Clinical Outcomes at 1-Year After Commercial Transcatheter Mitral Valve Repair in the United States. P. Sorajja. **ACC 2017. Featured Clinical Research Oral Presentation.**
52. **269:** ADVICE Study: Real-World Comparative Effectiveness of Transcatheter Versus Surgical Aortic Valve Replacement in the United States: An Analysis from Two US Registries Linked to Medicare Data. M. Brennan. **ACC 2017. Featured Clinical Research.**
53. **N/A:** Incidence and Outcomes of Patients Requiring Surgical Bail-Out During Transcatheter Aortic Valve Replacement: A Report From the NCDR<sup>®</sup> STS/ACC Transcatheter Valve Therapy (TVT) Registry. Pineda. **ACC 2017. Poster Presentation.**

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54. **186:** Fragmented Care Following Transcatheter Aortic Valve Replacement is Associated with Increased 1-year Mortality and Readmission. A. Wang. [AHA 2017. Poster Presentation.](#)
55. **200:** Transcatheter Aortic Valve Replacement Using the Self-Expanding Bioprosthesis: First Report from the Transcatheter Valve Therapies Registry. J. Popma. [TCT 2017. Poster Presentation.](#)
56. **333:** Impact of atrial fibrillation on clinical outcomes in patients treated with self-expanding transcatheter aortic valves in the United States: Results from the STS/ACC TVT Registry. Chandrasekhar. [TCT 2017. Moderated Poster.](#)
57. **98:** Impact of pulmonary hypertension on outcomes of patients undergoing transcatheter aortic valve replacement: Report from the TVT registry. C. Don. [ACC 2016. Oral Presentation.](#)
58. **105:** Outcomes of Permanent Pacemaker Implantation Following Transcatheter Aortic Valve Replacement: Analysis of the STS/ACC TVT Registry. Fadahunsi. [ACC 2016. Oral Presentation.](#)
59. **106:** Procedure Volume and Outcome for Transcatheter Aortic Valve Replacement in U.S. Clinical Practice. J. Carroll. [ACC 2016. LBCT Oral Presentation.](#)
60. **133:** Transcatheter Aortic Valve Replacement is Associated with Fewer Hospital Days: A Report from the STS / ACC TVT Registry. D. Holmes. [ACC 2016. Poster Presentation.](#)
61. **406:** Incidence and Outcomes of Hemodynamic Deterioration in Transcatheter Aortic Valve Replacement in U.S. Clinical Practice: A Report from the Society of Thoracic Surgery / American College of Cardiology Transcatheter Valve Therapy Registry. S. Vemulapalli. [ACC 2016. LBCT Oral Presentation.](#)
62. **240:** Development of a Risk Prediction Model for 1-Year Mortality after Surgical vs. Transcatheter Aortic Valve Replacement in Patients with Severe Aortic Stenosis. S. Baron. [AHA 2016. Poster Presentation.](#)
63. **90:** Sex Based Differences in Outcomes with Transcatheter Aortic Valve Therapy: From the STS/ACC TVT Registry. Chandrasekhar. [SCAI 2016. LBCT Poster Presentation.](#)
64. **58:** Transcatheter Aortic Valve in Valve Replacement for Degenerative Aortic Bioprosthesis: Initial Results from the STS/ACC Transcatheter Valve Therapy Registry. Tuzcu. [TCT 2016. LBCT Oral Presentation.](#)
65. **110:** Incidence and Outcomes of Vascular Complications and Bleeding Events in Patients undergoing TAVR in contemporary U.S. practice: Insights from the STS/ACC TVT Registry<sup>®</sup>. M. Sherwood. [TCT 2016. Oral Presentation.](#)
66. **174:** The Impact of Diabetes Mellitus on the Clinical Outcomes Following Transcatheter Aortic Valve Replacement: Insights From the STS/ACC TVT Registry. Abramowitz. [TCT 2016. LBCT Poster Presentation.](#)
67. **245A:** Outcomes in the Commercial Use of Self-Expanding Prostheses in Transcatheter Aortic Valve Replacement: A Comparison of the Medtronic Core Valve and Evolut R platforms in the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. P. Sorajja. [TCT 2016. Oral Presentation.](#)
68. **33:** Incremental Value of Disease-Specific Health Status in Predicting Mortality after Transcatheter Aortic Valve Replacement. S. Arnold. [ACC 2015. Poster Presentation.](#)
69. **36:** Acute Kidney Injury in Transcatheter Aortic Valve Replacement: Can We Reduce the Risk? Brooks. [ACC 2015. Poster Presentation.](#)
70. **37:** Impact of Baseline Left Ventricular Function and Aortic Valve Gradient on Outcomes in Patients Treated with Transcatheter Aortic Valve Replacement: Results from the TVT Registry. S. Baron. [ACC 2015. Oral Presentation.](#)

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71. **109:** Outcomes of the Initial Experience with Commercial Transcatheter Mitral Valve Repair in the United States. P. Sorajja. [ACC 2015. Poster Presentation.](#)
72. **42:** Impact of Concomitant Mitral Regurgitation Following Transcatheter Aortic Valve Replacement: Insights from the US TVT National Registry. [TCT 2015. Oral Presentation.](#)
73. **57:** Outcomes of TAVR in Nonagenarians in the U.S.: Insights from the STS/ACC TVT Registry. [TCT 2015. Poster Presentation.](#)
74. **200:** Transcatheter Aortic Valve Replacement Using the Self-Expanding Bioprosthesis: First Report from the Transcatheter Valve Therapies Registry. J. Popma. [TCT 2015. Poster Presentation.](#)
75. **8:** One Year Outcomes from the STS/ACC Transcatheter Valve Therapy (TVT) Registry. D. Holmes. [ACC 2014. Late-Breaking Clinical Trial: Oral Presentation.](#)
76. **58:** Transcatheter Aortic Valve in Valve Replacement for Degenerative Aortic Bio prosthesis: Initial Results from the STS/ACC Transcatheter Valve Therapy Registry. M. Tuczu. [ACC 2014. Oral Presentation.](#)
77. **101:** The Outcomes of Transcatheter Aortic Valve Replacement in Patients with Bicuspid Aortic Stenosis: Insights from the STS/ACC TVT Registry. F. Edwards. [ACC 2014. Oral Presentation.](#)
78. **N/A:** The Outcomes of Transcatheter Aortic Valve Replacement in Patients with End-stage Renal Disease: A Report from the STS/ACC TVT Registry. M. Mack. [ACC 2014. Oral Presentation.](#)
79. **N/A:** The Outcomes of Transcatheter Aortic Valve Replacement in Patients with Bicuspid Aortic Stenosis: Insights from the STS/ACC TVT Registry. F. Edwards. [ACC 2014. Oral Presentation.](#)
80. **N/A:** Transcatheter Aortic Valve in Valve Replacement for Degenerative Aortic Bioprosthesis: Initial Results from the STS/ACC Transcatheter Valve Therapy Registry. M. Tuczu. [ACC 2014. Oral Presentation.](#)
81. **3:** The Association of Transcatheter Aortic Valve Replacement (TAVR) Availability, Surgical Aortic Valve Replacement Case Volume, and In-hospital Mortality in the United States. A Report from the STS National Database and the STS/ACC TVT Registry. J. M. Brennan. [STS 2014. Oral Presentation.](#)
82. **44:** Comparison of Alternative Access TAVR Techniques in the United States for Patients Considered High-Risk or Inoperable for Aortic Valve Replacement and with Severe Aortic Stenosis. V. Thourani. [STS 2014. Oral Presentation.](#)
83. **74:** The Prognostic Impact of Chronic Lung Disease in 12,139 Patients Undergoing Transcatheter Aortic Valve Replacement: Results from the STS/ACC-TVT Registry. R. Suri. [STS 2014. Oral Presentation.](#)
84. **N/A.** CC-TVT Registry. R. Suri. [STS 2014. Oral Presentation.](#)