

April 2022



NCDR[®]
NATIONAL CARDIOVASCULAR DATA REGISTRY

**Published Manuscripts From the
STS/ACC TVT Registry**

April 2022

TVT Registry

PUBLISHED

1. **467.** Kaneko T, Vemulapalli S, Kohsaka S, et al. Practice Patterns and Outcomes of Transcatheter Aortic Valve Replacement in the United States and Japan: A Report from Joint Data Harmonization Initiative of STS/ACC TVT and J-TVT. *JAHA*. 15 March 2022.
2. **559.** Mack M, Carroll JD, Thourani V, et al. Transcatheter Mitral Valve Therapy in the United States: A Report from the STS/ACC TVT Registry. *Ann Thorac Surg*. 2022 Jan.
3. **640.** Simonato M, Vemulapalli S, Ben- Yehuda O, et al. Minimum Core Data Elements for Evaluation of TAVR A Scientific Statement by PASSION CV, HVC, and TVT Registry. *JACC*. 2022.
4. **176.** Arnold SV, Manandhar P, Vemulapalli S, et al. Patient-Reported Versus Physician-Estimated Symptoms Before and After TAVR. *Eur Heart J Qual Care Clin Outcomes*. 2021.
5. **353.** Villablanca PA, Vemulapalli S, Stebbins A, et al. Sex-Based Differences in Outcomes with Percutaneous Transcatheter Repair of Mitral Regurgitation with the MitraClip System: Transcatheter Valve Therapy Registry From 2011 to 2017. *Circ: CI*. 2021.
6. **374.** Anwaruddin S, Desai N, Vemulapalli S, et al. Out-of-Hospital 30-Day Mortality After Transfemoral Transcatheter Aortic Valve Replacement: An STS/ACC TVT Analysis. *JACC: Cardiovascular Interventions Evaluating*. 2021.
7. **409.** Valle JA, Li Z, Kosinski AS, et al. Dissemination of Transcatheter Aortic Valve Replacement in the United States. *JACC*. 2021 Aug 24.
8. **417.** Tanawuttiwat T, Stebbins A, Marquis-Gravel G, et al. Use of Direct Oral Anticoagulant and Outcomes in Patients with Atrial Fibrillation after Transcatheter Aortic Valve Replacement: Insights From the STS/ACC TVT Registry. *JAHA*. 31 Dec 2021.
9. **422.** Hejjaji V, Cohen DJ, Carroll JD, et al. Practical Application of Patient-Reported Health Status Measures for Transcatheter Valve Therapies Insights from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry. *Circ: CO*. 2021.
10. **440.** Julien HM, Stebbins A, Vemulapalli S, et al. Incidence, Predictors, and Outcomes of Acute Kidney Injury in Patients Undergoing Transcatheter Aortic Valve Replacement Insights from the Society of Thoracic Surgeons/American College of Cardiology National Cardiovascular Data Registry–Transcatheter Valve Therapy Registry. *Circ*. 2021.
11. **450.** Thourani VH, Edelman J, Holmes SD, et al. The International Society for Minimally Invasive Cardiothoracic Surgery Expert Consensus Statement on Transcatheter and Surgical Aortic Valve Replacement in Low- and Intermediate-Risk Patients: A Meta-Analysis of Randomized and Propensity-Matched Studies. *Innovations*. 2021.
12. **455.** Desai ND, O'Brien S, Cohen DJ, et al. A Composite Metric for Benchmarking Site Performance in TAVR: Results from the STS/ACC TVT Registry. 2021. <https://doi.org/10.1161/CIRCULATIONAHA.120.051456>.
13. **456.** Tang GHL, Sengupta A, Alexis SL, et al. Outcomes of Prosthesis-Patient Mismatch Following Supra-Annular Transcatheter Aortic Valve Replacement: From the STS/ACC TVT Registry. *JACC*. 2021.

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14. **472.** Butala NM, Makkar R, Secemsky EA, et al. Cerebral Embolic Protection and Outcomes of Transcatheter Aortic Valve Replacement: Results from the TVT Registry. *Circulation*. 2021 Feb 23. doi: 10.1161/CIRCULATIONAHA.120.052874.
15. **509.** Nazif TM, Cahill TJ, Daniels D, et al. Real-World Experience with the SAPIEN 3 Ultra Transcatheter Heart Valve: A Propensity-Matched Analysis from the United States. *Circ Cl*. 2021.
16. **561.** Makkar RR, Yoon SH, Chakravarty T, et al. Association Between Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis and Mortality or Stroke Among Patients at Low Surgical Risk. *JAMA*. 21 Sep 2021.
17. **592.** Dallan LAP, Forrest JK, Reardon MJ, et al. Transcatheter Aortic Valve Replacement with Self-Expandable Supra-Annular Valves for Degenerated Surgical Bioprostheses: Insights from Transcatheter Valve Therapy Registry. *JAHA*. 2021.
18. **101.** Halim S, Edwards FH, Dai D, et al. Outcomes of Transcatheter Aortic Valve Replacement in Patients with Bicuspid Aortic Valve Disease A Report from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. *Circulation*. 26 Feb 2020. <https://doi.org/10.1161/CIRCULATIONAHA.119.040333>.
19. **110.** Sherwood MW, Xiang K, Matsouaka R, et al. Incidence, Temporal Trends, and Associated Outcomes of Vascular and Bleeding Complications in Patients Undergoing Transfemoral Transcatheter Aortic Valve Replacement Insights from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry. *Circulation: Cardiovascular Interventions*. 15 Jan 2020. <https://doi.org/10.1161/CIRCINTERVENTIONS.119.008227>.
20. **161.** Sharma A, Lavie CJ, Elmariah S, et al. Relationship of Body Mass Index with Outcomes After Transcatheter Aortic Valve Replacement: Results from the National Cardiovascular Data-STs/ACC TVT Registry. *Mayo Clin Proc*. 2020.
21. **209.** Masha L, Vemulapalli S, Manandhar P, et al. Demographics, Procedural Characteristics, and Clinical Outcomes When Cardiogenic Shock Precedes TAVR in the United States. *JACC: CARDIOVASCULAR INTERVENTIONS VOL. 13, NO. 11, 2020 Clinical Outcomes When Cardiogenic Shock Precedes TAVR in the U.S. JUNE 8, 2020: 1314 – 2 5*.
22. **236.** Thourani V, Kelly J, et al. Cervantes DG, et al. Transcatheter Aortic Valve Replacement After Prior Mitral Valve Surgery: Results from the Transcatheter Valve Therapy Registry. *The Annals of Thoracic Surgery*. 2020. Volume 109, Issue 6, 1789 - 1796.
23. **253.** Bhardwaj B, Cohen DJ, Vemulapalli S, et al. Outcomes of transcatheter aortic valve replacement for patients with severe aortic stenosis and concomitant aortic insufficiency: Insights from the TVT Registry. *AHJ*. 2020.
24. **256.** Guerrero M, Vemulapalli S, Xiang Q, et al. Thirty-Day Outcomes of Transcatheter Mitral Valve Replacement for Degenerated Mitral Bioprostheses (Valve-in-Valve), Failed Surgical Rings (Valve-in-Ring), and Native Valve with Severe Mitral Annular Calcification (Valve-in-Mitral Annular Calcification) in the United States Data from the Society of Thoracic Surgeons/American College of Cardiology/Transcatheter Valve Therapy Registry. *Circulation: Cardiovascular Interventions*. 6 Mar 2020. <https://doi.org/10.1161/CIRCINTERVENTIONS.119.008425>.
25. **267.** Kiani S, Stebbins A, Thourani VH, et al. The Effect and Relationship of Frailty Indices on Survival After Transcatheter Aortic Valve Replacement. *JACC: CARDIOVASCULAR INTERVENTIONS*. 2020.

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26. **296.** Al-Bawardy R, Vemulapalli S, Thourani VH, et al. Association of Pulmonary Hypertension with Clinical Outcomes of Transcatheter Mitral Valve Repair. *JAMA Cardiol.* 2020; 5(1):47–56. doi:10.1001/jamacardio.2019.4428.
27. **350.** Arora S, Li Z, Vemulapalli S, et al. Association of Body Mass Index and Outcomes After Transcatheter Mitral Valve Repair. *J Am Coll Cardiol.* 2020 Mar, 75 (11_Supplement_1) 1188.
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31. **438.** Carroll JD, Mack MJ, Vemulapalli S, et al. STS-ACC TVT Registry of Transcatheter Aortic Valve Replacement: JACC State-of-the-Art Review. *J Am Coll Cardiol.* 2020 Nov, 76 (21) 2492–2516.
32. **458.** Whisenant B, Kapadis S, Eleid M, et al. One-Year Outcomes of Mitral Valve-in-Valve Using the SAPIEN 3 Transcatheter Heart Valve. *JACC.* 2020.
33. **593.** Forrest JK, Kaple RK, Tang GHL, et al. Three Generations of Self-Expanding Transcatheter Aortic Valves. *J Am Coll Cardiol Intv.* 2020 Jan, 13 (2) 170-179.
34. **57.** Szerlip M, Zajarias A, Vemalappalli S, et al. Transcatheter Aortic Valve Replacement in Patients with End-Stage Renal Disease. *JACC.* 2019.
35. **133.** Vemulapalli S, Dai D, Hammill BG, et al. Hospital Resource Utilization Before and After Transcatheter Aortic Valve Replacement: The STS/ACC TVT Registry. *JACC.* 2019.
36. **156.** Pineda AM, Harrison JK, Kleiman N, et al. Incidence and Outcomes of Surgical Bailout during TAVR: Insights from the STS/ACC TVT Registry. *JACC CI.* 2019.
37. **186.** Wang A, Li Z, Rymer JA, et al. Relation of Post discharge Care Fragmentation and Outcomes in Transcatheter Aortic Valve Implantation from the STS/ACC TVT Registry. *AJC.* 2019.
38. **194.** Rymer JA, Xiang Q, Wang A, et al. Factors Associated with and Outcomes of Aborted Procedures During Elective Transcatheter Aortic Valve Replacement. *JACC CI.* 2019.
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41. **215.** Arora SA., Vemulapalli S, Stebbins A, et al. The Prevalence and Impact of Atrial Fibrillation on 1-Year Outcomes in Patients Undergoing Transcatheter Mitral Valve Repair: Results from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. *JACC CI.* 2019.
42. **240.** Baron SJ, Magnuson EA, Lu M, et al. Health Status After Transcatheter Versus Surgical Aortic Valve Replacement in Low-Risk Patients with Aortic Stenosis. *JACC.* 2019.

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48. **291.** Alkhouli, M, Holmes DR, Carroll, JD et al. Racial Disparities in the Utilization and Outcomes of TAVR: TVT Registry Report. *JACC CI*. 2019.
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50. **332.** Sanchez CE, Hermiller JB, Pinto DS, et al. Predictors and risk calculator of early unplanned hospital readmission following contemporary self-expanding transcatheter aortic valve replacement from the STS/ACC TVT-registry. *Cardiovascular Revascularization Medicine*. 2019.
51. **334.** Anwaruddin S, Desai N, Szeto W, et al. Self-Expanding Valve System for Treatment of Native Aortic Regurgitation by Transcatheter Aortic Valve Implantation (from the STS/ACC TVT Registry). *AJC*. 2019.
52. **371.** Chhatrwalla AK, Vemulapalli S, Szerlip M, et al. Operator Experience and Outcomes of Transcatheter Mitral Valve Repair in the United States. *JACC CI*. December 2019.
53. **399.** Arnold S, Manandhar P, Vemulapalli S, et al. Impact of short-term complications of transcatheter aortic valve replacement on longer-term outcomes: results from the STS/ACC Transcatheter Valve Therapy Registry. *European Heart Journal - Quality of Care and Clinical Outcomes*. 2019.
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57. **454.** Makkar RR, Yoon SH, Leon MB, et al. Association Between Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis and Mortality or Stroke. *JAMA*. 2019 Jun 11;321(22):2193-2202.

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58. **7.** Sherwood MW, Vemulapalli S, Harrison JK, et al. Variation in post-TAVR antiplatelet therapy utilization and associated outcomes: Insights from the STS/ACC TVT Registry. *AHJ*. 2018.
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60. **140.** McCarthy FH, Vemulapalli S, Zhuokai L, et al. The Association of Tricuspid Regurgitation with Transcatheter Aortic Valve Replacement Outcomes: A Report from The Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. *ATS*. March 2018.
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80. **190.** Fanaroff AC, Manandhar P, Holmes DR, et al. Peripheral Artery Disease and Transcatheter Aortic Valve Replacement Outcomes. *Cardiovascular Interventions.* 2017; 10: e005456.
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84. **269.** Brennan MJ, Thomas L, Cohen DJ, et al. Transcatheter Versus Surgical Aortic Valve Replacement. *JACC.* July 2017, Volume 70, Issue 4.
85. **333.** Chandrasekhar J, Vogel B, Baber U, et al. TCT-398 Associations Between Atrial Fibrillation and Clinical Outcomes Among Patients Undergoing Transcatheter Aortic Valve Replacement with Self-Expanding Devices: Results from the United States STS/ACC TVT Registry. *Journal of the American College of Cardiology.* 2017. DOI: 10.1016/j.jacc.2017.09.496.
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