

April 2022



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

**In Progress Projects Based on  
STS/ACC TVT Registry**

April 2022

**In Process, Unpublished NCDR Manuscripts**

The following pages list current research and publications proposals that have been recently approved, are under analysis, are under manuscript development, or submitted to a journal for review/publication. Items are listed by registry and include the ID number and title.

**STS/ACC TVT REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	98	Thomas Gleason	Outcomes of patients with elevated pulmonary artery pressure undergoing TAVR
Submitted	342	Kaneko	Peripheral versus Central Access for Alternative Access TAVR
Submitted	474	Anna Hung	Association between Embolic Protection Device use and Reimbursement Rates for Transcatheter Aortic Valve Replacement
In Preparation	114	Maniar	Impact of the Presence of Coronary Artery Disease and the Revascularization on Outcomes of Patients Undergoing Trans-Catheter Aortic Valve Replacement: Insights from STS/ACC TVT Registry
In Preparation	117	Sherwood	The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry®
In Preparation	260	Muath Bishawi	Failure to Rescue in Transcatheter Aortic Valve Replacement
In Preparation	285	Lowie Van Assche	Change in Mitral Valve Gradient Following Mitraclip Repair and Correlation to 30-day and 1-year outcomes
In Preparation	437	Vemulapalli	Improving Data Completeness and Expanding Available Data Elements in the TVT Registry through the use of EHR-Based Data: Linking the TVT Registry and PCORnet

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In Preparation	466	Michael Young	The Impact of Frailty on Outcomes in Patients Undergoing Transcatheter Mitral Valve Repair
In Preparation	479	Adam Nelson	Procedural Volumes versus Outcomes Measurements for Identifying Low and High Performing TAVR Centers
In Preparation	532	Sahil Khera	Incidence, Trends and Outcomes of Non-Access site Bleeding After Transfemoral Transcatheter Aortic Valve Replacement
In Preparation	553	Adam Nelson	The contribution of site characteristics and patient selection to variation in site TAVR outcomes
In Preparation	558	Joanna Chikwe	Safety and efficacy of transcatheter mitral repair in degenerative mitral regurgitation
In Preparation	573	Dharam Kumbhani	Percutaneous Structural Heart Volumes, Hospital Characteristics, and MitraClip outcomes
In Preparation	576	John Suffredini	Trends, Predictors, and Outcomes associated with Elevated Gradients after Transcatheter Valve-In-Valve for Degenerated Surgical Bioprosthetic Aortic Valves
In Preparation	595	John Carroll	Impact of COVID-19 on Patients Needing Transcatheter Valve Therapy in USA
In Preparation	598	Adnan Chhatriwalla	Outcomes of Mitral Valve Transcatheter Edge-to-Edge Repair in Patients with Functional Mitral Regurgitation and Clinical Trial Exclusions: Insights from the STS/ACC TVT Registry
In Preparation	613	Suzanne Arnold	Mediators of Improvement in TAVR Outcomes Over Time
Analysis	442	Wang	Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim2
Analysis	444	Lowenstern	Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim1
Analysis	464	Tomo Ando	Comparative Outcomes of Direct Oral Anticoagulants Versus Vitamin K Antagonist After Transcatheter Aortic Valve Replacement; From the TVT Registry
Analysis	480	Dahaval Kolte	Temporal Trends in Cause of Death After TAVR
Analysis	510	Abbas	Clinical Outcomes of Valve-in-Valve Transcatheter Aortic Valve Replacement (VIV-TAVR) with SAPIEN 3

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Analysis	511	Herrmann	Prosthesis-Patient Mismatch After TAVR (TVT Registry Research Proposal)
Analysis	548	Trevor Simard	Evaluation of transcatheter mitral-valve repair in cardiogenic shock
Analysis	560	Giri	Rates and Outcomes of Percutaneous Coronary Intervention after Implantation of Transcatheter Aortic Valve Replacement
Analysis	594	Grayburn	Outcomes of Transcatheter Mitral Valve Repair in High Surgical Volume Centers
Analysis	614	Chetan Huded	Characteristics and Outcomes of Patients with Minimal or No Symptoms Treated with Transcatheter Aortic Valve Replacement
Analysis	630	Marc Allard-Ratick	The effect of transcatheter mitral valve repair on chronic kidney disease
Analysis	635	Yasser Sammour	Impact of Baseline Tricuspid Regurgitation on Health Status After Transcatheter Aortic and Mitral Valve Therapies: Insights from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry
Analysis	636	Bernacki	TAVR Peri-procedural Code Status
Analysis	638	Harvey	Changing In-hospital Permanent Pacemaker Implantation Rates in the
Analysis	645	Anubodh Varshney	Guideline directed medical therapy utilization in heart failure patients undergoing transcatheter mitral valve repair
Analysis	654	Kyeeun Park	Sex and race-based difference with TMVR mortality and complications
Analysis	673	Joe Aoun	Outcomes of Transcatheter Mitral Valve Repair in Patients with Recurrent Mitral Regurgitation After Surgical Mitral Valve Repair: A Report from the STS/TVT ACC Registry
Analysis	678	Megan Coylewright	Comparison of comorbidity burden among “young” (<65 years) and “older” (65 years-80) patients treated with transcatheter aortic valve replacement (TAVR): A Real-World US Data Analysis
Analysis	681	Mayra Guerrero	Outcomes of Transcatheter Mitral Valve Replacement Using with the SAPIEN 3 Balloon-Expandable Aortic Transcatheter Heart Valve in Failed Mitral Annuloplasty Ring

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On Hold	416	Siddharth Patel	Incidence, Predictors and Clinical Impact of Recovery in Left Ventricular Systolic Function after Transcatheter Aortic Valve Replacement: an analysis of the STS/ACC TVT Registry.
On Hold	484	John Saxon	Clinical Outcomes After Repeat MitraClip
On Hold	517	Brennan	Outcomes of Transcatheter Aortic Valve Replacement for Primary Aortic Insufficiency
On Hold	547	Sammour	Impact of Coronary Artery Disease and Revascularization on Health Status After Transcatheter Aortic Valve Replacement: Insights from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry
External	495	Turagam	Applied Machine Learning for Predicting Post Transcatheter Aortic Valve Replacement Permanent Pacemaker Implantation: Insights from the U.S. Society of Thoracic Surgeons /American College of Cardiology TVT Registry
External	508	McCabe	Clinical Outcomes of Subclavian-Axillary Approach with Percutaneous Technique Compared to Cutdown for Transcatheter Aortic Valve Replacement with SAPIEN 3