

November 2023



**NCDR<sup>®</sup>**

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NATIONAL CARDIOVASCULAR DATA REGISTRY

**In Progress Projects Based on  
NCDR Registries**

## UNPUBLISHED, IN PROGRESS PROJECTS

### Table of Contents

A Fib Ablation Registry .....	3
Cath PCI Registry .....	4
Chest Pain – MI Registry (formerly ACTION).....	7
Diabetes Collaborative Registry .....	9
EPDI Registry (formerly ICD) .....	10
IMPACT Registry.....	11
LAAO Registry.....	12
PINNACLE Registry .....	15
PVI Registry .....	17
STS/ACC TVT Registry.....	18

**In Process, Unpublished NCDR Manuscripts**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.

**A FIB ABLATION REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	12	Brent Klinkhammer	Trends in Transesophageal Echocardiography Use Prior to Atrial Fibrillation Ablation: Insights from the NCDR® AFib Ablation Registry®
Analysis	21	Omar Yousuf	Catheter Ablation for Atrial Fibrillation in Patients with Heart Failure with Reduced Left Ventricular Ejection Fraction: Insights from the NCDR AFib Ablation Registry
Analysis	27	Sharma Kattel	Atrial Fibrillation Ablation Procedural Volume and Associated Outcomes
Analysis	49	Amneet Sandhu	National Trends in Use and Short-Term Outcomes of Same-Day Discharge Following Catheter Ablation for Atrial Fibrillation
Analysis	50	Vincenzo Polsinelli	Use and Clinical Outcomes of Urgent versus Elective Catheter Ablation of Atrial Fibrillation

**CATH PCI REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	569	Bobak Mortazavi	ICH.2 Dynamic Changes to Risk of Post-PCI Major Bleeds Throughout a Cardiac Catheterization Laboratory Visit Using the CathPCI Registry
Submitted	650	Akash Kataruka	Failure to Rescue after Percutaneous Coronary Intervention Complications: Insights from NCDR ® CathPCI Registry
Submitted	666	Adam Nelson	Temporal Trends in Risk Factors for Periprocedural Stroke in Patients Undergoing Percutaneous Coronary Intervention: Insights from the ACC NCDR CATHPCI Registry
Submitted	673	Andrea Price	Strategic RPA: Changes in observed post PCI Bleeding events before and after the participation in the Reduce the Risk PCI Bleed Campaign
Submitted	707	Karthik Murugiah	ICH.8: Effect of inclusion of race in eGFR calculation on the NCDR AKI prediction model
In Preparation	632	Nadia Shaikh	Strategic: Does the Gender of the Interventional Cardiologist Influence Door to Balloon Times in STEMI?YNHH Core title: Is the Sex of the Interventional Cardiologist Associated with Door to Balloon Times in STEMI?
In Preparation	639	Ravi Sharma	Procedural Outcomes of Percutaneous Coronary Interventions Post Transcatheter Aortic Valve Replacement: Insights from the National Cardiovascular Data Registry (NCDR) registry
In Preparation	671	Reed Mszar	Symptom Burden Among Adults Undergoing Elective Percutaneous Coronary Intervention and Variations in Hospital Submission of Patient-Reported Outcomes
In Preparation	683	Devika Aggarwal	Predictors of and Outcomes associated with Ultra-low Contrast Volume and Zero Contrast Use During Percutaneous Coronary Interventions in Patients With Existing Renal Impairment
In Preparation	684	Ben Peterson	Frailty and Risk of Mortality Among Patients Undergoing High-Risk or Complex Percutaneous Coronary Intervention: Insights from the CathPCI Registry.

## November 2023

In Preparation	709	Reza Fazel	Radial Versus Femoral Arterial Access for Percutaneous Coronary Intervention in the United States: An Analysis from the NCDR CathPCI Registry
In Preparation	719	Jennifer Rymer	Case volumes and outcomes of early- and mid-career PCI operators
Analysis	462	Sanket Dhruva	Changes in Practice Patterns for Non-Infarct Artery Revascularization in Patients with ST-Elevation Myocardial Infarction and Multivessel Coronary Artery Disease: Insights from the National Cardiovascular Data Registry
Analysis	708	Javier Valle	Strategic: Contemporary Trends in Percutaneous Coronary Intervention at Facilities Without On-Site Cardiac Surgical Capabilities: Insights from the National Cardiovascular Data Registry
Analysis	713	Anezi Uzendu	The Association between Pre-Procedural AKI Risk and Same-Day Discharge: Are we Safely Sending the Right Patients Home?
Analysis	736	Benjamin Horne	Actual Practice Evaluation of Predictors for Major Adverse Cardiovascular Events and Bleeding Outcomes following Percutaneous Coronary Intervention among Patients in the Clipper Dataset
Analysis	739	Neel Butala	Use of Calcium Modification for Coronary Lesions: National Trends, Hospital Variation, and Disparities
Analysis	740	Dean Kereiakes	The Shockwave Intravascular Lithotripsy Post-approval Study: Procedural safety from the NCDR/CathPCI Registry
Analysis	741	Andrea Price	Impact of Credentialing, Certification and Licensure of Cath Lab Staff on Patient Outcomes
Analysis	751	Frederic Resnic	Validation of Novel Learning Curve Detection Tools within the NCDR StarClose Cath PCI Registry
Analysis	763	Nobuhiro Ikemura	Changes in Contrast Volume among Patients at High Risk for Acute Kidney Injury after PCI
Analysis	765	Ayman Elbadawi	Contemporary trends, characteristics and outcomes of patients undergoing percutaneous coronary intervention for stent thrombosis: An analysis from the CathPCI Registry

## November 2023

On Hold	489	William Cooper	Association Between Unsolicited Patient Complaints and Adverse Outcomes Related to Percutaneous Coronary Intervention
On Hold	611	Zachary Wegermann	Prevalence, temporal trends, and associated outcomes of intravascular ultrasound use in patients undergoing PCI
On Hold	667	Hannah Chaudry	Nationwide trends and predictors of anti-anginal use and de-escalation in patient's undergoing PCI for stable ischemic heart disease: Insights from the CathPCI Registry
On Hold	698	Zaid Almarzooq	A quasi-experimental study to assess the impact of door-to-balloon time delays on mortality
External	754	Ajar Kochar	Percutaneous Management of Severely Calcified Culprit Lesions in STEMIs
External	789	Sunil Rao	Characteristics of Early Use of Shockwave Intravascular Lithotripsy (IVL)
External	791	Dean J. Kereiakes	Real-world Outcomes of Coronary Intravascular Lithotripsy in In-stent Restenosis from the ACC NCDR® CathPCI Registry®
External	792	Fred Resnic	Validation of Novel Learning Curve Detection Tools on the clinical outcomes associated with the use of the Mynx vascular closure device within the NCDR CathPCI Registry
External	786	Jennifer Rymer	A Retrospective Analysis of the National Cardiovascular Data Registry on Cangrelor Use Among Women and Minorities in the US (The COMMIT-US Study)

**CHEST PAIN – MI REGISTRY (FORMERLY ACTION)**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	313	Dharam Kumbhani	Attributes of high-performing hospitals for cardiogenic shock following acute myocardial infarction
Submitted	334	Ajar Kochar	Temporal Trends of Higher Potency P2Y12 Inhibitor Use and Bleeding Outcomes in Patients with Myocardial Infarction Complicated by Out of Hospital Cardiac Arrest
Submitted	342	Jacqueline Tamis-Holland	Contemporary Evaluation of the Incidence and Timing of Post Infarction Ventricular Arrhythmias Among Patients Undergoing Primary PCI for ST Segment Elevation Infarction
In Preparation	243	N. Albert	Changes in Performance Measures Over Time after Implementation of the Patient Navigator program
In Preparation	251	Majithia	Public Reporting and Outcomes of Patients with Out-of-Hospital Cardiac Arrest
In Preparation	395	Julie Mobayed	CPMI Patient Navigator program analysis (ad hoc patient navigator analysis)
Analysis	374	Zachary Wegermann	Simultaneous STEMI Presentation: Incidence and Outcomes
Analysis	389	Michael Kontos	Impact of the COVID-19 pandemic on care and outcomes of patients with STEMI and NSTEMI in the United States
Analysis	409	Michael Kontos	Outcomes in Patients with Inhospital STEMI
Analysis	414	Ashwin Nathan	Variation in Risk Avoidant Behavior for Coronary Angiography for Acute Myocardial Infarction Among United States Hospitals
On Hold	269	Acharya	Trends of Compliance with Guideline Directed Therapy and Performance and Quality Measures in Diabetic Patients Admitted with Acute Coronary Syndrome
On Hold	335	Karthik Murugiah	Hospital Collaboration with Emergency Medical Services in the Care of Patients with Acute Myocardial Infarction: Results from the Translating Outstanding Performance in Percutaneous Coronary Intervention (TOP PCI) Study
On Hold	348	Nathaniel Smilowitz	Patterns of Discharge Medical Therapy and Outcomes in Patients with Myocardial Infarction and Non-obstructive Coronary Arteries (MINOCA): An Analysis of the NCDR Chest Pain-MI Registry

**November 2023**

On Hold	371	Kamil Faridi	Treatment and Clinical Outcomes for Patients with Peripheral Artery Disease Hospitalized for Acute Myocardial Infarction
External	338	Mortazavi	Prediction of In-Hospital Mortality with Acute Myocardial Infarction using Machine Learning Techniques
External	363	Haitham Khraishah	Association of SGLT2 Inhibitors and Outcomes in Diabetic Patients with Acute Myocardial Infarction
External	388	Albaghdadi	Association of GLP-1 Receptor Agonists and Outcomes in Patients with Diabetes and Acute Myocardial Infarction



November 2023

## DIABETES COLLABORATIVE REGISTRY

Manuscript Status	RPA ID #	Lead Author	Title

**EPDI REGISTRY (FORMERLY ICD)**

<b>Manuscript Status</b>	<b>RPA ID #</b>	<b>Lead Author</b>	<b>Title</b>
Submitted	161	J Akar	Predictors of RV Pacing and Pacing-Induced Adverse Outcomes
Submitted	192	Yousuf	Appropriateness of ICD and CRT-D
Submitted	211	Kutyifa	ICD in Patients with Non-ischemic Cardiomyopathy in the United States – Insights from the NCDR ICD Registry (DANISH)
Submitted	271	Faisal Merchant	Procedural Volumes and Clinical Outcomes Associated with Implantable Defibrillator Device Recalls
In Preparation	212	Khariton	Validation of SCD HeFT in ICD
Analysis	178	Sharma	Outcomes in patients with diabetes receiving a subcutaneous implantable cardioverter defibrillator.
Analysis	274	Carmel Ashur	Direct Oral Anticoagulant Management and Outcomes after Cardiovascular Implantable Electronic Device Placement
Analysis	275	Scott Weinreb	Characteristics and Outcomes of Pediatric Patients Undergoing Subcutaneous ICD Implantation – An Analysis of the NCDR EP Device Implant Registry
Analysis	265	Beixin He	Disproportionate race and gender disparities in implantation of defibrillators during COVID-19 era
Analysis	286	Amneet Sandhu	Trends in Use and Outcomes of Same-Day Discharge After ICD and CRT Implantation
On Hold	266	Pun	Long-Term Outcomes of Subcutaneous Implantable Cardioverter Defibrillators in Dialysis Patients
On Hold	278	Goldstein	Utilization Patterns and Outcomes Associated with the Use of Primary Prevention Subcutaneous Implantable Cardioverter Defibrillators in Patients with Hypertrophic Cardiomyopathy

## IMPACT REGISTRY

Manuscript Status	RPA ID #	Lead Author	Title
In Preparation	27	<a href="#">Aimee Armstrong</a>	The IMPACT of Reducing Radiation Risk: An NCDR QI Project
In Preparation	29	<a href="#">Natalie Jayaram</a>	Prediction of adverse events after catheter-based procedures in congenital heart disease in the IMPACT registry.
In Preparation	34	Ada Stefanescu Schmidt	Use of transcatheter pulmonary valve replacement in patients with congenital heart disease- a report from the IMPACT registry
In Preparation	65	Maully Shah	Effect of Ablation Energy Source on Outcomes of Pediatric AVNRT Ablation: RF vs. Cryo
In Preparation	83	Natalie Jayaram	Examining the performance of the IMPACT risk model
Analysis	73	Dustin Nash	Evaluation of the Effect of Center Procedural Volume on Outcomes of Pediatric Catheter Ablation
Analysis	84	Michael O'Byrne	Evaluating Racial Disparities in Access to Common Transcatheter Interventions
Analysis	88	Chandra Srinivasan	Outcomes of Catheter Ablation for Atrial Tachyarrhythmias in Congenital Heart Disease
Analysis	90	Shriprasad Deshpande	Cardiac Catheterization and Interventions in Patients on ECMO: Analysis of the IMPACT Registry Data
On Hold	43	Lisa Bergersen	Validating the IMPACT Registry Risk-Standardization Model in IMPACT version 2
External	80	Katia Bravo Jaimes	Racial disparities in clinical presentation and outcomes of transcatheter coarctation procedures in adults with coarctation of the aorta.
External	89	Ajar Kochar	Contemporary Temporal Trends and Clinical Outcomes of Mechanical Circulatory Support Use in Congenital Heart Disease
QNET	91	Leo Lopez	Development and implementation of pediatric cardiac noninvasive imaging quality metrics using methodology established by the American College of Cardiology Adult Congenital and Pediatric Cardiology Quality Metrics Working Group

## LAAO REGISTRY

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	56	Freeman	VOLUME OUTCOMES To evaluate the hospital and physician characteristics for procedures included in the LAAO Registry and the association between these characteristics and major adverse events Safety and Effectiveness of Left Atrial Appendage Closure in Atrial Fibrillation (SAFELY-AF) Aim 3
In Preparation	9	James Freeman	Left Atrial Appendage Occlusion Safety and Effectiveness Study.
In Preparation	87	Moussa Mansour	LAAO in Patients with ICH
In Preparation	126	Kamil Faridi	A Simplified Risk Score to Predict Major Adverse Events During Hospitalization for Transcatheter Left Atrial Appendage Occlusion: From the NCDR LAAO Registry
In Preparation	128	Angela Higgs	Long-term Outcomes Following Left Atrial Appendage Occlusion with a Watchman Device: Outcomes from the National Cardiovascular Data Registry
Analysis	40	Gaurav Dhar	Efficacy and clinical benefit of Left Atrial Appendage Occlusion (LAAO) in patients with Atrial Fibrillation with elevated CHAD-VaSC score and End Stage Renal Disease (ESRD) on hemodialysis (HD)
Analysis	94	Douglas Gibson	Clinical characteristics and outcomes in patients with same day discharge after left atrial appendage occlusion with WATCHMAN FLX
Analysis	95	Samir Kapadia	Real-world Outcomes with WATCHMAN FLX: Early Results from the SURPASS analysis of the NCDR LAAO Registry
Analysis	101	Enrico Ferro	Comparison of intracardiac and transesophageal echocardiography for guidance of percutaneous left atrial appendage occlusion with WATCHMAN FLX: Results from the SURPASS analysis of the NCDR LAAO Registry
Analysis	102	Megan Coylewright	Outcomes with DAPT compared to Anticoagulation after LAAC with WATCHMAN: A propensity-matched analysis of NCDR LAAO Registry WATCHMAN data

## November 2023

Analysis	103	Devi G. Nair	Clinical characteristics and outcomes in men and women receiving left atrial appendage occlusion with WATCHMAN FLX
Analysis	118	James Freeman	Post-procedure Anticoagulation and Antiplatelet Therapy Use and Outcomes after Left Atrial Appendage Closure with WATCHMAN FLX
Analysis	119	Lucy Pereira	Association of Physician Certification and Outcomes Among Patients Undergoing Left Atrial Appendage Occlusion
Analysis	120	Oluseun Alli	Racial Disparities in the Utilization and Outcomes with WATCHMAN FLX: A SURPASS analysis of the NCDR LAAO Registry
Analysis	121	Kamil Faridi	Comparative Effectiveness of Transcatheter Left Atrial Appendage Occlusion in Real-World Practice: Findings from the NCDR LAAO Registry
Analysis	122	Jonathan Hsu	Outcomes after percutaneous left atrial appendage occlusion in patients with atrial fibrillation and chronic kidney disease: Results from the SURPASS analysis of the NCDR LAAO Registry
Analysis	123	Mohamad Alkhouli	Early Commercial Experience with the Amulet Occluder: Insights from the NCDR Left Atrial Appendage Occlusion Registry
Analysis	132	Enrico Ferro	Impact of long-term antiplatelet discontinuation after left atrial appendage occlusion with WATCHMAN FLX
Analysis	168	Bilal Munir	Association of Chronic Kidney Disease and End Stage Renal Disease with In-Hospital and Long-Term Outcomes Among Atrial Fibrillation Patients Undergoing Left Atrial Appendage Occlusion: Insights From the NCDR LAAO Registry®
Analysis	170	Darae Ko	National trends in the use of left atrial appendage occlusion in older adults with atrial fibrillation
Analysis	129	Jonathan Hsu	Left Atrial Appendage Occlusion in Patients with Gastrointestinal Bleed: Insights from the NCDR LAAO Registry
Analysis	133	Matthew Price	Comparative Safety and Effectiveness of Left Atrial Appendage Occlusion with First-Generation Watchman and Next Generation Watchman FLX at One Year Follow-Up: An Analysis from the NCDR LAAO Registry
Analysis	147	Angela Higgs	In-Hospital and Long-Term Outcomes of Patients with Reduced Left Ventricular Function Undergoing Left Atrial Appendage Occlusion
External	114	Matthew Price	Peri-Device Leak after Left Atrial Appendage Closure with WATCHMAN FLX: Incidence and predictors
External	116	Samir Kapadia	Real-world Outcomes with WATCHMAN FLX: Long-term from the SURPASS analysis of the NCDR LAAO Registry

## November 2023

External	117	Jonathan Piccini	Combining left atrial appendage closure with WATCHMAN FLX and catheter ablation for atrial fibrillation: Results from the SURPASS analysis of the NCDR LAAO Registry
External	152	Sahith Reddy Thotamgari	Safety, efficacy and long-term outcomes of left atrial appendage occlusion in patients with bleeding disorders: Analysis from the NCDR LAAO Registry
External	167	Kamil Faridi	Use of Machine Learning Models to Predict In-Hospital Adverse Outcomes for Transcatheter Left Atrial Appendage Occlusion
External	171	Kamil Faridi	Comparing Administrative Claims Data to Site-Reported Events in the NCDR Left Atrial Appendage Occlusion Registry

## PINNACLE REGISTRY

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	106	Kamal Henderson	Gender Differences in Long Term Cardiovascular Outcomes among Women and Men with Atrial Fibrillation: A Review from the NCDR
Submitted	127	Prateeti Khazanie	Provider-Level Variation in the Guideline Concordant Management of Cardiovascular Disease: Insights from NCDR PINNACLE
Submitted	180	Gaggin	Relevance and Significance of Left Ventricular Ejection Fraction in Chronic Heart Failure Phenotypes in Patients With Heart Failure With Preserved, Midrange and Reduced Ejection Fraction: Results from the PINNACLE Registry
Submitted	188	Amarnath Annapureddy	Relationship Between Industry Payments to Physicians and Prescription Patterns for NOACs, PCSK9 inhibitors, and ARNI: A Report from the NCDR PINNACLE Registry
Submitted	198	Vittal Hejjaji	Predictors of Smoking Cessation among Outpatients with Atherosclerotic Cardiovascular Disease
Submitted	213	Krishna Pundi	The 2017 ACC/AHA Hypertension Guidelines and CHA2DS2-VASc Up-Scoring in Patients with Atrial Fibrillation: Insights from the NCDR® PINNACLE® Registry
In Preparation	140	Erica Spatz	Association between Accountable Care Organization participation and Quality of Outpatient Cardiovascular Care
In Preparation	216	Firas Al Badarin	Prescription patterns and provider-level variability in the use of direct-acting oral anti-coagulants in non-valvular atrial fibrillation patients at extremes of body weight
Analysis	135	Justin Sadhu	Use, Safety, and Effectiveness of Novel Oral Anticoagulants in Overweight and Obese Patients with Atrial Fibrillation
Analysis	215	Paul Hess	Practice-Level Compliance with Cardiac Performance Measures and Outcomes in US Ambulatory Care: Findings from the NCDR PINNACLE Program
Analysis	220	Eric Brandt	Blood Pressure and Treatment Patterns Among Older Adults After Recent Major Trial Results and Guideline Recommendations
Analysis	225	Leila Haghighat	Implications of REDUCE-IT for the management of hypertriglyceridemia—an analysis from the NCDR PINNACLE registry

**November 2023**

Analysis	238	Evan Manning	Eligibility and Use of Sodium Glucose Cotransporter-2 Inhibitor (SGLT2i) Therapy in Diabetics and Non-Diabetics with Heart Failure with reduced ejection fraction (HFrEF): Findings from the NCDR PINNACLE Registry
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**PVI REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	49	Mazen Albaghdadi	Contemporary patterns of vessel preparation among patients undergoing peripheral vascular intervention in the United States: insights from the National Cardiovascular Data Registry
In Preparation	15	Arman Qamar	Impact of Annual Operator Volumes on Outcomes after Lower Extremity Endovascular Revascularization: Insights from the NCDR-PVI Registry
In Preparation	43	Amod Amritphale	Characteristics and outcomes of patients presenting with acute limb ischemia: insights from the NCDR PVI Registry

**STS/ACC TVT REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	117	Sherwood	The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry®
Submitted	260	Muath Bishawi	Failure to Rescue in Transcatheter Aortic Valve Replacement
Submitted	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.
Submitted	505	Amit Vora	Temporal Trends and Hospital Variation in the Pacemaker Implantation following TAVR – Insights from the STS / ACC TVT Registry
Submitted	573	Dharam Kumbhani	Percutaneous Structural Heart Volumes, Hospital Characteristics, and MitraClip outcomes
Submitted	576	Riyad Kherallah	Trends, Predictors, and Outcomes associated with Elevated Gradients after Transcatheter Valve-In-Valve for Degenerated Surgical Bioprosthetic Aortic Valves
Submitted	594	Grayburn	Outcomes of Transcatheter Mitral Valve Repair in High Surgical Volume Centers
Submitted	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
Submitted	614	Chetan Huded	Characteristics and Outcomes of Patients with Minimal or No Symptoms Treated with Transcatheter Aortic Valve Replacement
Submitted	635	Yasser Sammour	Impact of Baseline Tricuspid Regurgitation on Health Status After Transcatheter Aortic and Mitral Valve Therapies: Insights from the Society

## November 2023

			of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry
Submitted	638	Harvey	Changing In-hospital Permanent Pacemaker Implantation Rates in the TVT Registry
Submitted	672	Anirudh Kumar	Impact of Mitral Stenosis on Patients Undergoing Transcatheter Aortic Valve Replacement (TAVR)
Submitted	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
In Preparation	285	Arman Qamar	Change in Mitral Valve Gradient Following Mitraclip Repair and Correlation to 30-day and 1 year outcomes
In Preparation	350	John Vavalle	The Effect of Obesity on Outcomes in Patients Undergoing MitraClip-Insights from the TVT-NCDR registry
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
In Preparation	466	Michael Young	The Impact of Frailty on Outcomes in Patients Undergoing Transcatheter Mitral Valve Repair
In Preparation	480	Dahaval Kolte	Temporal Trends in Cause of Death After TAVR
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	595	Manasi Tannu	Impact of COVID-19 on Patients Needing Transcatheter Valve Therapy in USA

## November 2023

In Preparation	630	Marc Allard-Ratick	The effect of transcatheter mitral valve repair on chronic kidney disease
In Preparation	645	Anubodh Varshney	Guideline directed medical therapy utilization in heart failure patients undergoing transcatheter mitral valve repair
In Preparation	667	Nimesh Desai	Development of an unsuccessful 30-day outcome following MitraClip transcatheter mitral valve repair to support patient counseling and decision making
In Preparation	683	Kannu Bansal	Impact of Polyvascular Disease on Outcomes of Patients Undergoing Transcatheter Aortic Valve Replacement: Insights from the STS/ACC TVT Registry
In Preparation	686	Nickpreet Singh	National trends, predictors, and outcomes of early and late bleeding complications after MitraClip: Insights from the NCDR STS/ACC TVT Registry
In Preparation	693	Suzanne Arnold	Understanding Outcomes After TAVR Since 2019
In Preparation	696	Lillian Kang	Outcomes of Commercial Transcatheter Aortic Valve Replacement in Low-Risk Patients: An Analysis of the STS/ACC TVT Registry
Analysis	560	Giri	Rates and Outcomes of Percutaneous Coronary Intervention after Implantation of Transcatheter Aortic Valve Replacement
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

## November 2023

Analysis	684	Ahmed Kolkailah	Hospital-Level Transcatheter Aortic Valve Replacement Performance With Simulated Risk Avoidance Strategies
Analysis	688	Nickpreet Singh	Temporal trends, risk factors, and outcomes of patients with new left bundle branch block following transcatheter aortic valve replacement: Insights from the STS/ACC TVT Registry
Analysis	691	George Yankey	Early Outcomes of Commercial Transcatheter Tricuspid Valve Procedures in the Transcatheter Valve Therapies Registry
Analysis	692	Andrew Vekstein	Outcomes of Sequential Transcatheter Aortic Valve Replacement and Edge-to-Edge Mitral Valve Repair
Analysis	703	Santiago Garcia	Frequency and Safety of Bioprosthetic Valve Fracture in Patients Undergoing Valve in Valve for Failed Surgical Valves using the SAPIEN 3/Ultra Valves
Analysis	722	Kashish Goel	Transseptal Mitral Valve in Valve – A comprehensive analysis of temporal trends, adoption and outcomes from 2014 to 2022
Analysis	723	Neel Butala	Impact of Embolic Protection Devices on Disabling Stroke after TAVR
Analysis	741	Dhaval Kolte	Identifying Modifiable Practices Related to Outcome Variation and Enhancement in TAVR (IMPROVE TAVR)
On Hold	464	Tomo Ando	Comparative Outcomes of Direct Oral Anticoagulants Versus Vitamin K Antagonist After Transcatheter Aortic Valve Replacement; From the TVT Registry
On Hold	484	John Saxon	Clinical Outcomes After Repeat MitraClip
On Hold	511	Herrmann	Prosthesis-Patient Mismatch After TAVR (TVT Registry Research Proposal)
On Hold	517	Brennan	Outcomes of Transcatheter Aortic Valve Replacement for Primary Aortic Insufficiency

### November 2023

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
Submitted	117	Sherwood	The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry®
Submitted	260	Muath Bishawi	Failure to Rescue in Transcatheter Aortic Valve Replacement
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