

March 2022



**NCDR<sup>®</sup>**

---

NATIONAL CARDIOVASCULAR DATA REGISTRY

**In Progress Projects Based on  
NCDR Registries**

## UNPUBLISHED, IN PROGRESS PROJECTS

### Table of Contents

AFib Ablation Registry .....	3
Cath PCI Registry .....	4
Chest Pain – MI Registry (formerly ACTION).....	6
Diabetes Collaborative Registry.....	7
EPDI Registry (formerly ICD).....	8
IMPACT Registry.....	9
LAAO Registry .....	10
PINNACLE Registry.....	12
PVI Registry.....	14
STS/ACC TVT Registry .....	15

### In Process, Unpublished NCDR Manuscripts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.

#### **AFIB ABLATION REGISTRY**

<b>Manuscript Status</b>	<b>RPA ID #</b>	<b>Lead Author</b>	<b>Title</b>
In Preparation	1	Jonathan Hsu	The NCDR AFib Ablation Registry® Report: Review of the Registry's Initial Two years, Data Collected, and Future Plans
In Preparation	4	Omar Aldaas	Characteristics and In-Hospital Outcomes of Patients Undergoing Pulmonary Vein Isolation Only vs. Pulmonary Vein Isolation with Adjunctive Lesions: Insights from the NCDR AFib Ablation Registry
In Preparation	9	Reed Mszar	Sex-Based Differences in Utilization and Outcomes of Atrial Fibrillation Ablation
Analysis	8	Emily Ong	Association Between Procedural Volume and Outcomes for Atrial Fibrillation Ablation
Analysis	12	Brent Klinkhammer	Trends in Transesophageal Echocardiography Use Prior to Atrial Fibrillation Ablation: Insights from the NCDR® AFib Ablation Registry®
Analysis	21	Omair Yousuf	Catheter Ablation for Atrial Fibrillation in Patients with Heart Failure with Reduced Left Ventricular Ejection Fraction: Insights from the NCDR AFib Ablation Registry

**CATH PCI REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
In Preparation	487	Taku Inohara	Trends and in-hospital outcomes of prophylactic mechanical circulatory support devices in elective PCI
In Preparation	524	H. Vernon Anderson	Trends in Transradial Artery Access for Percutaneous Coronary Intervention in Hospitals With and Without Onsite Cardiac Surgery in the United Kingdom and the United States. A Report from the International Registries Collaboration
In Preparation	525	H. Vernon Anderson	Trends in Drug Eluting Stent Use in Elderly Patients with ST-elevation Myocardial Infarction in the United Kingdom and the United States. A Report from the International Registries Collaboration
In Preparation	577	Ali Malik	Association between hospital reimbursement models and rates of normal elective coronary angiograms
In Preparation	608	Michel Zeitouni	Trends and In-Hospital Outcomes of Prophylactic Mechanical Circulatory Support Devices in Elective PCI: Insights from the CathPCI Registry
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	666	Rajendra Mehta	Recent Trends in the Incidence, Risk factors and Outcomes of Periprocedural Stroke in Patients Undergoing PCI
Analysis	632	Frederic Resnic	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?
Analysis	650	Akash Kataruka	Failure to Rescue after Percutaneous Coronary Intervention Complications: Insights from NCDR ® CathPCI Registry

## March 2022

Analysis	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
Analysis	671	Reed Mszar	Assessment of Symptom Burden Among Patients Undergoing Percutaneous Coronary Intervention
Analysis	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
Analysis	681	Dhruv Mahtta	Trends, outcomes and institutional variation for radial versus femoral access among patients with acute myocardial infarction and cardiogenic shock undergoing PCI: An analysis from the CathPCI Registry
Analysis	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
Analysis	684	Ben Peterson	Frailty and Risk of Mortality Among Patients Undergoing High-Risk or Complex Percutaneous Coronary Intervention: Insights from the CathPCI Registry.
Analysis	698	Zaid Almarzooq	A quasi-experimental study to assess the impact of door-to-balloon time delays on mortality
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

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

Manuscript Status	RPA ID #	Lead Author	Title
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	385	Khaled Ziada	Impact of urban vs. rural residence on process and outcome of ST segment elevation myocardial infarction
In Preparation	165	C. Fordyce	Linking Regional Approach to Cardiovascular Emergencies Cardiac Arrest Resuscitation System (RACE-CARS) to NCDR ACTION-GWTG Registry – Evaluating Regional Systems Of Care in Acute Coronary Syndrome Complicated By Out-of-Hospital Cardiac Arrest: Pre- and Intra-Hospital Approaches
In Preparation	237	Thomas	Comparative Methods proposal
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	306	Jennifer Rymer	Understanding Racial Disparities in Invasive Management for Patients with Acute Myocardial Infarction and Chronic Kidney Disease
In Preparation	313	Dharam Kumbhani	Attributes of high-performing hospitals for cardiogenic shock following acute myocardial infarction
Analysis	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
Analysis	348	Nathaniel Smilowitz	Medical Therapy and Long-term Outcomes in Patients with Myocardial Infarction and Non-obstructive Coronary Artery Disease: An Analysis of the NCDR Chest Pain-MI Registry
Analysis	371	Kamil Faridi	Treatment and Clinical Outcomes for Patients with Peripheral Artery Disease Hospitalized for Acute Myocardial Infarction
Analysis	395	Julie Mobayed	CPMI Patient Navigator program analysis (ad hoc patient navigator analysis)
Analysis	397	Cian McCarthy	Use of high-sensitivity cardiac troponin assays among U.S. hospitals and association with patient testing and outcomes: a report from the NCDR Chest Pain-MI Registry

**DIABETES COLLABORATIVE REGISTRY**

<b>Manuscript Status</b>	<b>RPA ID #</b>	<b>Authors Name</b>	<b>Title</b>
Submitted	14	Vaduganathan	Patterns of Use of Glucose-Lowering Therapies by Prescriber Type in Patients with Type 2 Diabetes Mellitus: the NCDR Diabetes Collaborative Registry
Submitted	39	Ravi Patel	Quality of Care & Prescription of Evidence-Based Glucose Lowering Therapies by Insurance Status Among Older Adults with Type 2 Diabetes Mellitus: the NCDR Diabetes Collaborative Registry
In Preparation	13	Tcheugui	Quality of Care Among Diabetic Patients with Cerebrovascular Disease compared to those with other forms of Atherosclerotic Cardiovascular Diseases (ASCVD) – The Diabetes Collaborative Registry
In Preparation	41	Priya Jain	Use of Bariatric Surgery Among Patients with Diabetes: Insights From The NCDR Diabetes Collaborative Registry
N/A	8	Katherine Gambino	Diabetes Belt Benchmark Report

**EPDI REGISTRY (FORMERLY ICD)**

Manuscript Status	RPA ID #	2nd Manu.	Lead Author	Title
Submitted	168		S Dhruva	Sex Differences in Patient Characteristics, Indications, and In-Hospital Adverse Events of the S-ICD
Submitted	186		K Bilchick	Risk Stratification for ICD Generator Changes in the ICD Registry
In Preparation	78	B	Dhruva	Sex Differences in Long-Term Adverse Event Risk After Implantable Cardioverter-Defibrillator Implantation
In Preparation	161		J Akar	Predictors of RV Pacing and Pacing-Induced Adverse Outcomes
In Preparation	192		Yousuf	Appropriateness of ICD and CRT-D
In Preparation	211		V Kutiyifa	ICD in Patients with Non-ischemic Cardiomyopathy in the United States – Insights from the NCDR ICD Registry (DANISH)
In Preparation	212		Khariton	Validation of SCD HeFT in ICD
In Preparation	240		Chui	Failure to use CRT among eligible patients and association with long-term outcomes
In Preparation	243		Hsu	Temporal Trends and Outcomes Among Recipients of Cardiac Resynchronization Therapy in the United States, 2012-2016: Insights from the National Cardiovascular Data Registry
In Preparation	249		Daniel Friedman	Left ventricular lead implant failure in the United States: A Report from the NCDR ICD Registry
In Preparation	263		Grace Lin	Impact of CMS Mandate on Shared Decision-making for ICD Implantation for Primary Prevention



## IMPACT REGISTRY

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	35	A. Stefanescu	Interventions for coarctation of the aorta in adults- a report from the IMPACT registry
In Preparation	27	Aimee Armstrong	The IMPACT of Reducing Radiation Risk: An NCDR QI Project
In Preparation	29	Natalie Jayaram	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	64	Christopher Janson	Effect of Patient Size on Procedural Outcomes in Pediatric Patients Undergoing EP Study and Catheter Ablation for Wolff-Parkinson-White Syndrome
In Preparation	65	Maully Shah	Effect of Ablation Energy Source on Outcomes of Pediatric AVNRT Ablation: RF vs. Cryo
In Preparation	68	Shriprasad Deshpande	Indications and Safety of Endomyocardial Biopsy in Pediatric Heart Transplant Patients: Analysis of the IMPACT Registry Data
In Preparation	70	Brian Morray	Evolving Utilization of Covered Stents in Patients Undergoing Transcatheter Therapy for Aortic Coarctation or Right Ventricular Outflow Tract Dysfunction
In Preparation	73	Dustin Nash	Evaluation of the Effect of Center Procedural Volume on Outcomes of Pediatric Catheter Ablation
Analysis	48	Doff McElhinney	Standards of Care for Pulmonary and Aortic Balloon Valvuloplasty in Children, Adolescents, and Young Adults with Congenital Heart Disease
Analysis	77	Patrick McNamara	Percutaneous Patent Ductus Arteriosus Closure in infants $\leq 2$ kg
Analysis	83	Natalie Jayaram	Examining the performance of the IMPACT risk model

## LAAO REGISTRY

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	19	Usama Daimee	Indications for Left Atrial Appendage Occlusion in the United States
Submitted	80	Matthew Price	One Year Clinical Outcomes After Transcatheter Left Atrial Appendage Occlusion For Stroke Prevention in Patients With Atrial Fibrillation: A Report from the NCDR LAAO Registry
In Preparation	13	Jonathan Hsu	Association of Physician Specialty Certification with Peri-procedural Care in Patients Undergoing WATCHMAN™ Device Implantation: Insights from the NCDR LAAO Registry®
In Preparation	61	Matthew Price	Peri-procedural pericardial effusion associated with transcatheter LAA closure in the NCDR LAAO registry: incidence, risk factors, and clinical outcomes.
In Preparation	73	Amneet Sandhu	Device-size Related Complications Associated with Left Atrial Appendage Occlusion: Findings from the NCDR LAAO Registry®
In Preparation	81	Friedman	Development and Validation of Artificial Intelligence Adverse Event Adjudication for a Large U.S. National Registry
Analysis	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
Analysis	60	Michael Eskander	Impact of Frailty on In-Hospital and Long-Term Outcomes in Patients Undergoing Percutaneous Left Atrial Appendage Occlusion: Insights from the NCDR LAAO Registry
Analysis	87	Moussa Mansour	LAAO in Patients with ICH
Analysis	88	John-Ross Clarke	Safety and Effectiveness of Pre-procedure Imaging for Percutaneous Left Atrial Appendage Occlusion: Insights from the National Cardiovascular Data Registry (NCDR) LAAO Registry
Analysis	94	Douglas Gibson	Clinical characteristics and outcomes in patients with same day discharge after left atrial appendage occlusion with WATCHMAN FLX

**March 2022**

Analysis	95	Samir Kapadia	Real-world Outcomes with WATCHMAN FLX: Early Results from the SURPASS analysis of the NCDR LAAO 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	119	David Lee	Practice-Level Variation in Secondary Prevention Treatment Among Patients with Peripheral Artery Disease: Insights From the NCDR PINNACLE Registry
Submitted	127	Prateeti Khaznie	Provider-Level Variation in the Guideline Concordant Management of Cardiovascular Disease: Insights from NCDR PINNACLE
Submitted	154	Mayank Sardana	Association between neighborhood socioeconomic status and quality of outpatient cardiovascular care in the PINNACLE registry
Submitted	172	Casey Cavanagh & Matthew M. Burg	Advanced care planning discussions among outpatients with heart failure
Submitted	184	Salim Virani	Impact of the 2017 ACC/AHA Guideline for the Management of High Blood Pressure on Contemporary Cardiovascular Practices: Insights from the NCDR® PINNACLE® Registry
In Preparation	135	Justin Sadhu	Use, Safety, and Effectiveness of Novel Oral Anticoagulants in Overweight and Obese Patients with Atrial Fibrillation
In Preparation	136	Karl Minges	Practice-level variation in guideline-recommended patient education among outpatients with heart failure: Insights from the PINNACLE Registry
In Preparation	144	Eric Stecker	The influence of insurance expansion on cardiovascular preventive care
In Preparation	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
In Preparation	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
In Preparation	196	Christopher Cannon	The Benchmarking an Oral Anticoagulant Treatment Rate in Patients with Nonvalvular Atrial Fibrillation (BOAT-AF) study: A prospective, multicenter study evaluating perspectives on use of oral anticoagulation using a patient survey and clinical review by t

## March 2022

In Preparation	198	Vittal Hejjaji	Predictors of Smoking Cessation among Outpatients with Atherosclerotic Cardiovascular Disease
In Preparation	216	Firas Al Badairn	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
In Preparation	221	Daniel Silverman	Association of beta-blocker use and heart failure hospitalizations in patients with HFpEF: Findings from the PINNACLE Registry
Analysis	140	Erica Spatz	Association between Accountable Care Organization participation and Quality of Outpatient Cardiovascular Care
Analysis	206	Rajesh Dash	A novel, evidence-based AI engine identifies real-world, high impact care gaps at scale: a proposal for stroke prevention opportunities in 13 million patients from the largest cardiovascular registry
Analysis	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
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

**PVI REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	17	Howard Julien	Racial and Ethnic Disparities in Characteristics and Outcomes of Patients Referred for Peripheral Vascular Intervention: Analysis from the PVI Registry
Submitted	40	Gales	Cardiovascular Outcomes and Risk Prediction Following Peripheral Endovascular Intervention in the Treatment of Symptomatic Peripheral Artery Disease: An Analysis from the ACC PVI Registry with Linked Medicare Claims Data
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
In Preparation	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
Analysis	25	Kobayashi	The effect of an intentional subintimal approach to chronic total occlusions in the superficial femoral artery: Insights from the NCDR PVI Registry

## 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	417	Tanyanan Tanawuttiwat	The Use of Non-vitamin K Antagonist and Outcomes in Atrial Fibrillation Patients after Transcatheter Aortic Valve Replacement: Insights from STS/ACC TVT Registry.
Submitted	474	Anna Hung	Association between Embolic Protection Device use and Reimbursement Rates for Transcatheter Aortic Valve Replacement
Submitted	509	Nazif	Comparative Analysis of the Clinical Outcomes of the SAPIEN 3 Ultra and SAPIEN 3 Transcatheter Heart Valves (THV)
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	361	Brennan	Individualized Risk Prediction for Intermediate and High Risk Patients with Aortic Valve Stenosis Considering SAVR or TAVR in the United States
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	450	Tuzcu	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
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

## March 2022

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	591	Dallan	Outcomes by Self-Expanding Valves in VIV TAVR
In Preparation	592	Attizzani	Redo Transcatheter Aortic Valve Replacement with the Supra-Annular, Self-Expandable Evolut Platform: Insights from the TVT Registry
In Preparation	613	Suzanne Arnold	Mediators of Improvement in TAVR Outcomes Over Time
In Preparation	640	Vemulapalli	Minimum Core Data Elements for Transcatheter Aortic Valve Replacement Evidence: A systematic review and joint scientific statement by the PASSION CV Public Private Partnership, the Heart Valve Collaboratory, and the Transcatheter Valve Therapy Registry
Analysis	241	R. Matsouka	PCORI Grant - 6 manuscripts expected: 2 of 6 Estimating the risk of mortality in aortic valve disease treatment: assessment for bias in non-randomized treatment comparisons
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	451	Arora	Association of Post Transcatheter Aortic Valve Implantation Mitral Regurgitation with Mortality and Heart Failure Readmission in Patients with Aortic Stenosis
Analysis	464	Tomo Ando	Comparative Outcomes of Direct Oral Anticoagulants Versus Vitamin K Antagonist After Transcatheter Aortic Valve Replacement; From the TVT Registry
Analysis	510	Abbas	Clinical Outcomes of Valve-in-Valve Transcatheter Aortic Valve Replacement (VIV-TAVR) with SAPIEN 3



## March 2022

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	595	John Carroll	Impact of COVID-19 on Patients Needing Transcatheter Valve Therapy in USA
Analysis	598	Adnan Chhatrwalla	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
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 TVT Registry
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

## March 2022

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
Analysis	TBD	Brennan	PCORI Grant - 6 manuscripts expected: Compare outcomes with surgical vs. transcatheter AVR Create a decision tool for to evaluate expected outcomes in those patients Develop risk assessment tool for inoperable patients with aortic valve disease
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	480	Dahaval Kolte	Temporal Trends in Cause of Death After TAVR
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