

In Process, Unpublished NCDR Manuscripts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.

CATH PCI REGISTRY

RPA ID	Lead Author	Title	Lead Author Email
632	Frederic Resnic	Does the Gender of the Interventional Cardiologist Influence Door to Balloon Times in STEMI?	frederic.resnic@lahey.org
630	Nirat Beohar	Outcomes of percutaneous coronary intervention with coronary artery atherectomy in acute coronary syndrome	nbeohar3@gmail.com
629	Mahesh Madhavan	Hemorrhagic Outcomes and Vascular Access Site Complications Associated with Hemodynamic Support in Patients Undergoing Percutaneous Coronary Intervention: A Report from the NCDR® CathPCI Registry	mvm2122@columbia.edu
628	Beni Verma	Clinical Characteristics, Outcomes and Predictors of Mortality in Patients with Out-of-hospital Cardiac Arrest without ST Elevation Myocardial Infarction	vermab@ccf.org
627	Tushar Vachharajani	Trending transradial approach for percutaneous cardiac interventions in patients with chronic kidney disease in the United States	vachhat@ccf.org
626	Yeunjung Kim	The Role of Aspirin in Contemporary Percutaneous Coronary Interventions (PCIs): Outcomes of Patients Discharged without Aspirin after PCI	yeunjung.kim@yale.edu
625	Denada Palm	Investigating Temporal Trends in Complex PCI Procedures: A Focus on Patient Outcomes	dpalm5@uic.edu
624	Mohammed Elzeneini	Culprit-only versus multivessel percutaneous coronary intervention in patients with renal impairment presenting with non-ST segment elevation myocardial infarction - Insights from the National Cardiovascular Data Registry	mohammed.elzeneini@medicine.ufl.edu

623	Juan Russo	Practice patterns and clinical outcomes of percutaneous coronary intervention in patients with surgical anatomy deemed ineligible for surgery: Insights from the NCDR registry	jrusso@ottawaheart.ca
622	Islam Elgendy	Temporal Trends and Outcomes of Mechanical Circulatory Support Devices for Patients with Acute Myocardial Infarction and Cardiogenic Shock: An Analysis of the CathPCI Registry	iyelgendy@gmail.com
621	Rajesh Gupta	Timing of Mechanical Circulatory Support and Outcomes in Acute Myocardial Infarction with Cardiogenic Shock: Findings from the NCDR CathPCI Registry	Rajesh.Gupta@UTledo.edu
620	Michael Nanna	Rates and predictors of procedural access site cross-over in contemporary US practice	michael.nanna@duke.edu
619	Nida Waheed	Cardiac rehabilitation referral and effectiveness among patients with non-obstructive coronary artery disease: An analysis from the NCDR CathPCI Registry	nida.waheed@medicine.ufl.edu
618	Nidhi Madan	Contemporary description of percutaneous coronary interventions in patients presenting as out-of-hospital cardiac arrest without ST-elevation myocardial infarction	nidhi0912@gmail.com
617	Ehimen Aneni	Do PCI Outcomes Vary Depending on Provider Practice Focus	ehimen.aneni@yale.edu
616	Nathaniel Smilowitz	Use of mechanical circulatory support for patients with stable ischemic heart disease undergoing high-risk percutaneous coronary intervention: A Report from the NCDR CathPCI Registry	nathaniel.smilowitz@nyulangone.org
615	Mitu Bhattatiry	Exploring variations and trends in bare-metal stent use in patients presenting for PCI	mitumbhattatiry@gmail.com
614	Justin Ugwu	Comparison of bleeding complications associated with use of Heparin vs. Bivalirudin for intra-procedural anticoagulation amongst patients on novel oral anticoagulation undergoing PCI for acute coronary syndrome in the NCDR Cath PCI registry	ugwujustin@yahoo.com
613	Enrico Ferro	Use and Effectiveness of Embolic Protection Devices in Saphenous Vein Graft Percutaneous Coronary Intervention in the US: an Analysis from the NCDR CathPCI Registry	eferro@bwh.harvard.edu

612	Ashwin Nathan	Is it Rational to Avoid High-Risk Cases to Improve Hospital Performance Metrics?	ashwin.nathan@pennmedicine.upenn.edu
611	Zachary Wegermann	Prevalence, temporal trends, and associated outcomes of intravascular ultrasound use in patients undergoing PCI	zachary.wegermann@duke.edu
610	Fabio Lima	Nationwide trends and outcomes of percutaneous coronary interventions following diagnostic angiography by invasive, non-interventional cardiologists versus solo-interventionalists: Insights from the CathPCI Registry	fabio_lima@brown.edu
609	Divyanshu Mohananey	Adherence to Guideline Directed Medical Therapy and Cardiac Rehabilitation Referral in patients with Acute Myocardial Infarction who are Discharged on Weekend/Holidays Versus Weekdays	divyanshu26@hotmail.com
608	Michel Zeitouni	Trends and In-Hospital Outcomes of Prophylactic Mechanical Circulatory Support Devices in Elective PCI: Insights from the CathPCI Registry	michel.zeitouni@duke.edu
607	Guillaume Marquis-Gravel	550	guillaume.marquis.gravel@duke.edu
606	Saurav Chatterjee	Demographic, Clinical and Angiographic Features, and Outcomes Associated with Invasive Management of Patients in the US with Intermediate-High Risk Stress Test Findings similar in characteristics to the ISCHEMIA Trial Population	guillaume.marquis.gravel@duke.edu
605	Mark Hlatky	Use and Outcomes of Coronary Angiography and Percutaneous Coronary Intervention Performed in the Evaluation of Patients for Kidney Transplantation	hlatky@stanford.edu
604	Frederick Masoudi	ICH 6: Performance measures for comparing clinical risk prediction models: Looking beyond c-statistics	fred.masoudi@ucdenver.edu
603	John Spertus	ICH 7: Model guided contrast dosing to reduce risk of acute kidney injury in patients undergoing percutaneous coronary interventions	spertusj@umkc.edu

602	Mohamed Omer	Multivessel Percutaneous Coronary Intervention in Patients With NSTEMI and Cardiogenic Shock: Insights From the NCDR Cath PCI RegistryNew	omerm@umkc.edu
601	Eric Secemsky	Practice Patterns and Outcomes of Complete Revascularization versus Culprit-Only PCI for ST-Elevation Myocardial Infarction: A Sub-Analysis of the CathPCI National Cardiovascular Data Registry Research to Practice (R2P) Initiative	esecemsk@bidmc.harvard.edu
600	Aaron Shaikh	Safety of Early Discharge after Primary Percutaneous Coronary Intervention (PPCI) for Uncomplicated ST Elevation Myocardial Infarction (STEMI): 24 hours vs 48 hours; Less Than 48 Hours vs Greater Than 48 hours	aaronalishaikh@gmail.com
599	James Hansen	Radial versus Femoral Artery Access for Orbital Atherectomy	jwhansen1983@yahoo.com
598	Ahmad Abdul-Aziz	Intensive Care Unit Utilization and Mortality Among Medicare Patients with ST-Segment Myocardial Infarction treated with Primary Percutaneous Coronary Intervention	abdulazi@umich.edu
597	Charles Chambers	Ionizing Radiation Exposure of the Population of the United States	cchambers@psu.edu

596	Andrew Michaels	Percutaneous Coronary Intervention after Transcatheter Aortic Valve Replacement: Insights from the CathPCI Registry	andrew.michaels@saintalphonsus.org
593	Purav Mody	Coronary Angiography and Outcomes after In-Hospital Cardiac Arrest	puravmody@gmail.com
590	Khera	Variation of care practices for acute myocardial infarction with multivessel coronary artery disease presenting with cardiogenic shock in the United States: A report from the CathPCI National Cardiovascular Data Registry Research to Practice (R2P) Initiative, 2008-2017	Rohan.Khera@UTSouthwestern.edu
590	Rohan Khera	Variation of care practices for acute myocardial infarction with multivessel coronary artery disease presenting with cardiogenic shock in the United States: A report from the CathPCI National Cardiovascular Data Registry Research to Practice (R2P) Initiat	Rohan.Khera@UTSouthwestern.edu
588	James Hansen	Comparative Safety of Orbital Atherectomy versus Rotational Atherectomy	james.w.hansen@lahey.org
588	Alexander Fanaroff	Atrial Fibrillation and Coronary Heart Disease: A Long-Term Perspective on the Need for Triple Antithrombotic Therapy	alexander.fanaroff@dm.duke.edu

587	Chirag Bavishi	Temporal trends, patient and procedural characteristics, predictors and outcomes of drug-eluting stent in-stent restenosis from the CathPCI registry	Cbavishi@lifespan.org
584	Partha Sardar	Gender differences in Percutaneous Coronary Intervention Process and Outcomes Measures; Insights from the NCDR CathPCI Registry	psardar@lifespan.org
577	Ali Malik	Association between hospital reimbursement models and rates of normal elective coronary angiograms	aomalik@saint-lukes.org
574	Robert Yeh	The Extending Trial-Based Evaluations of Medical Therapies Using Novel Sources of Data (EXTEND) Study	ryeh@bidmc.harvard.edu
573	Jacob Doll	PCI operator phenotypes and associations with procedural outcomes	jakedoll@gmail.com
572	Marc Sintek	Excimer laser coronary angioplasty: Current use and complications in the NCDR/CATH PCI Registry	msintek@wustl.edu

571	Sanket Dhruva	Assessing that Safety Endpoints are Attributable to Prior Drug-Eluting Coronary Stent Implantation: YNHH-Big Data 2 Knowledge ("BD2K") Use Case Part Four	dhruva@gmail.com
570	Bobak Mortazavi	ICH.5 Evaluating Personalized Treatment Effectiveness of PCI Bleeding Avoidance Strategies Using the CathPCI Registry	bobak.mortazavi@yale.edu
569	Bobak Mortazavi	ICH.2 Dynamic Changes to Risk of Post-PCI Major Bleeds Throughout a Cardiac Catheterization Laboratory Visit Using the CathPCI Registry	bobak.mortazavi@yale.edu
566	Shun Kohsaka	Difference in the Utilization of Percutaneous Coronary Intervention for Stable Ischemic Heart Disease Between the US and Japan: Collaborative Analysis of NCDR CathPCI and J-PCI Registry	skohsaka@hotmail.com
551	Ashwin Nathan	Performance of hospitals when assessing disease mortality as compared to procedural mortality for acute myocardial infarction	Ashwin.Nathan@uphs.upenn.edu
545	David Manly	Characteristics and outcomes of patients with prior history of coronary artery bypass grafting undergoing cardiac catheterization via the radial vs. femoral approach	david.manly@gmail.com

528	Sajjad Raza	Impact of Large Clinical Trials on Coronary Revascularization Practice in the United States	sajjad.raza@uhhospitals.org
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	h.v.anderson@uth.tmc.edu
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	h.v.anderson@uth.tmc.edu
522	Tamez	Long-term Outcomes and Resource Utilization Associated with Coronary Stent Restenosis	htamez@bidmc.harvard.edu
522	Hector Tamez Aguilar	Long-term Outcomes and Resource Utilization Associated with Coronary Stent Restenosis	htamez@icloud.com
494	J. Xie	The omission of heart transplant recipients from the Appropriate Use Criteria for Revascularization and its impact on high-volume heart transplant centers	joe.xie@emory.edu

493	Hector Tamez Aguilar	Long-term major adverse cardiovascular events after chronic total occlusion percutaneous coronary intervention	htamez@bidmc.harvard.edu
487	T. Inohara	Concordance and discordance of appropriate ratings for percutaneous coronary intervention between new and old appropriate use criteria	taku.inohara@duke.edu
477	J. Abbott	Contemporary Patterns and Trends in Duration of Antiplatelet Therapy After Percutaneous Coronary Intervention in Patients on Oral Anticoagulants	JAbbott@Lifespan.org
442	I. Moussa	Temporal Trends in Usage and In Hospital Clinical Outcomes of PCI for the Treatment of in Stent Restenosis vs. De Novo Coronary Artery Disease: A Report from the NCDR® CathPCI Registry	drmoussa@hotmail.com

422	S. Bradley	Trends in Use, Outcomes, and Cost Implications of Same Day Discharge Following Elective Percutaneous Coronary Intervention	steven.bradley@allina.com
405	D. Feldman	Stent Selection Among Patients with End Stage Renal Disease Undergoing Elective Percutaneous Coronary Interventions	danfeldman.email@gmail.com
387	R. Dadu	Symptom Onset to Door Time, Door to Balloon Time and Mortality in patients with ST Elevation Myocardial Infarction	dadu@bcm.edu
381	Ali Malik	A Patient-centered Approach to Reduce Contrast Volume during Percutaneous Coronary Intervention to prevent Acute Kidney Injury	aomalik@saint-lukes.org
374	N. Beohar	Trends in Usage and Clinical Outcomes of Coronary Atherectomy for the Treatment of Severe Coronary Artery Disease: A Report from the NCDR® CathPCI Registry	Nirat.Beohar@msmc.com

366	M. Young	An Assessment of the Operator Learning Curve for Percutaneous Coronary Intervention of Chronic Total Occlusions.	mnyoung@mgh.harvard.edu
353	Yulanka Castro K. Dharmarajan	Does hospital mortality performance for older patients undergoing percutaneous coronary intervention (PCI) reflect performance for all patients undergoing PCI?	yulanka.castro-dominguez@yale.edu kumar.dharmarajan@yale.edu
297	Bob McNamara-Nicholas Downing	Comparison of percutaneous coronary intervention procedures in China and the US in 2006 and 2011	robert.mcnamara@yale.edu nicholas.downing@yale.edu
292	R. Nairooz	Contemporary trends, predictors and outcomes of perforation during percutaneous coronary intervention: a report from the NCDR CathPCI registry Trends, Predictors and Outcomes of coronary artery perforation during percutaneous coronary intervention: Insights from NCDR®	ramez.nairooz@gmail.com
248	R. Yeh	(248 B) Exploiting Physician Variation in Anticoagulation Use to Compare Effectiveness of Bivalirudin versus Heparin for PCI in Routine Practice	ryeh@mgh.harvard.edu

230	K. Yeo	Percutaneous coronary intervention of Internal mammary artery bypass grafts: Findings from the NCDR to the National Cardiovascular Data Registry (NCDR)	yeo_kk@yahoo.com
168	K. Minges	TOP PCI: QUALITATIVE: A qualitative study of the organizational strategies of high and low performing PCI hospitals: insights from TOP PCI	karl.minges@yale.edu
161	Amit Amin	Variation in the incidence of contrast-induced acute kidney injury in patients undergoing PCI.	amitamin.mahi@gmail.com

CHEST PAIN - MI REGISTRY

RPA ID #	Lead Author	Title	Email
279	A. Pandey	Racial differences in temporal trends in Readmission Rate for acute myocardial infarction at NCDR-ACTION Hospitals Based on their Penalty Status Under the Hospital Readmission Reduction Program	ambarish.pandey@outlook.com
232	J. Wong T. Wang	Anticoagulation and antiplatelet prescribing trends in chronic kidney disease patients with atrial fibrillation who experience acute myocardial infarction: insights from the ACTION registry	jonmwong@gmail.com ; mailto:WongJon@sutterhealth.org
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	nsmilowitz@gmail.com

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	jacqueline.tamis-holland@mountsinai.org
287	Marcelo Fernandes	Racial and ethnic disparities in first medical contact to device time among patients with ST-elevation myocardial infarction: Findings from the National Cardiovascular Data Registry (NCDR)	marcelo.fernandes@jhsmiami.org
274	Jay Shavadia	Revascularization strategies in non ST-segment elevation myocardial infarction, multi-vessel coronary artery disease, and left ventricular systolic dysfunction: a report from NCDR	jay.shavadia@duke.edu
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	mkarthik118@gmail.com
266	Amit Amin	DEVELOPMENT AND VALIDATION OF PREDICTION MODELS OF 90-DAY RESOURCES AND COSTS OF CARE AFTER AMI TO INFORM HOSPITALS IN PREPARING FOR "BUNDLED PAYMENTS"	aamin@wustl.edu
261	A. Fanaroff	Is routine intensive care unit utilization associated with greater patient satisfaction, better care and better long-term outcomes for patients with non-ST-elevation myocardial infarction?	alexander.fanaroff@duke.edu
258	F. Rodriguez	Cardiovascular disease Unmasked In DisAggregated Hispanic Data (CUIDADO)	frodrigu@stanford.edu
251	Majithia	Public Reporting and Outcomes of Patients with Out-of-Hospital Cardiac Arrest	arjun.majithia@lahey.org
237	Thomas	Comparative Methods proposal	laine.thomas@duke.edu
205	J. Udell	Frailty and Outcomes in a Large Acute Myocardial Infarction Registry: Observations from the NCDR ACTION Registry GWTG	jay.udell@utoronto.ca
204	A. Vora	Hospital Engagement in clinical participation	alexander.fanaroff@duke.edu
196	S. Mikesell J. Sather M. Cook	Rural Systems of Care: Real World Observations and Trends in STEMI Patient Characteristics, and correlations of arrival mode to outcomes	smikesell@slhduluth.com jeffrey.sather@trinityhealth.org mindy.cook@heart.org
194	M. Garzon	Ethnic disparities in secondary prevention therapy and risk factors burden in patients with known CAD at the time of admission for ACS	magdaelizabethmd@gmail.com
178	Rodwin	Hospital variation in antiplatelet agents after myocardial infarction, an analysis of the NCDR ACTION Registry-GWTG	Benjamin.Rodwin@yale.edu

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	christopher.fordyce@duke.edu
139	McNamara	Comparison of treatments and outcomes among patients with STEMI in China and US in 2011	robert.mcnamara@yale.edu nicholas.downing@yale.edu
84	F. Kureshi P. Sharma	Treatment, Trends and Outcomes of Late Presenting ST-Elevation Myocardial Infarction.	kureshifaraz@hotmail.com praneetks@gmail.com
	A. Vora	Patterns of cardiac stress testing after acute MI	a.vora@duke.edu
359	Varda Singhal	Bleeding Complications with PCI Following Out-of-Hospital Cardiac Arrest	varda.singhal@gmail.com
358	Abdulla Damluji	Consequences of Frailty in Older Adults Treated with Percutaneous Coronary Interventions After Acute Myocardial Infarction	adamluji@gmail.com
357	Anirudh Kumar	Contemporary Trends, Predictors, and Outcomes among Patients Presenting with Non-ST Elevation Myocardial Infarction and Cardiogenic Shock: Insights from the Chest Pain-MI NCDR Registry	kumara9@ccf.org
356	Avirup Guha	Prevalence and Outcomes of Patients with Acute Myocardial Infarction in Cancer: Insights from the Chest Pain-MI NCDR Registry	avirup.guha@uhhospitals.org
355	Sindhu Avula	Incidence of peri and post procedural arrhythmias with Impella versus IABP.	sindhureddy.avula@outlook.com
354	Mohammed Elzeneini	In-hospital versus out-of-hospital ST segment elevation myocardial infarction: Differences in clinical characteristics, management, time to reperfusion and in-hospital clinical outcomes - Insights from the National Cardiovascular Data Registry	mohammed.elzeneini@medicine.ufl.edu
353	Andrew Yan	Achievement of Quality Indicators in Relation to Baseline Risk and Outcomes in Acute Coronary Syndromes: Insight from the National Cardiovascular Data Registry	a.yan@utoronto.ca
352	Julian Haimovich	Predicting the presence of coronary artery disease in patients presenting with non-ST elevation myocardial infarction using the Chest Pain-MI registry	julian.haimovich@gmail.com
351	Paul Miller	Association between Coronary Intensive Care Unit Organizational Structure with Acute Myocardial Infarction Outcomes: Results from Chest Pain - MI Registry	elliott.miller@yale.edu
350	Paul Miller	Associations between Mechanical Ventilation and Clinical Outcomes After Acute Myocardial Infarction: Results from the NCDR Chest Pain – MI Registry.	elliott.miller@yale.edu

349	Sanjay Gandhi	Reflection on the 10-year journey of the National Cardiovascular Data Registry Chest Pain – MI Registry (formerly ACTION registry) and its impact on cardiovascular outcomes in the United States	sgandhi@metrohealth.org
347	Karl Minges	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	karthik.murugiah@yale.edu
339	Nihar Desai	Utilization and adverse events associated with mechanical circulatory support devices among patients with acute myocardial infarction and cardiogenic shock undergoing percutaneous coronary intervention (PCI)	nihar.desai@yale.edu
338	Bobak Mortazavi	ICH.3 Prediction of In-Hospital Mortality with Acute Myocardial Infarction using Machine Learning Techniques	bobakm@tamu.edu
297	Faridi	Use of Novel P2Y12 Inhibitors in ST-Elevation Myocardial Infarction in the United States	kfaridi@bidmc.harvard.edu
269	Acharya	Trends of Compliance with Guideline Directed Therapy and Performance and Quality Measures in Diabetic Patients Admitted with Acute Coronary Syndrome	drtusharacharya@gmail.com
243	N. Albert	Changes in Performance Measures Over Time after Implementation of the Patient Navigator program	albertn@ccf.org
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	akochar@partners.org ; akochar5@gmail.com
313	Dharam Kumbhani	Attributes of high-performing hospitals for cardiogenic shock following acute myocardial infarction	Dharam.Kumbhani@UTSouthwestern.edu
306	Jennifer Rymer	Understanding Racial Disparities in Invasive Management for Patients with Acute Myocardial Infarction and Chronic Kidney Disease	jennifer.rymer@dm.duke.edu
300	Leila Haghighat	A Patient- and Hospital-Level Analysis from the NCDR ACTION Registry-GWTG	leila.haghighat@yale.edu
277	Sarah Goldstein	Implantable Cardioverter-Defibrillator Utilization Among Older Patients with Low Ejection Fraction Following Coronary Artery Bypass Grafting	sarah.goldstein@duke.edu

DIABETES COLLABORATIVE REGISTRY

RPA ID	Title	Lead Author Email
11	A descriptive retrospective cohort study of burden of illness in patients with type 2 diabetes mellitus at high risk of CV events, but without a medical history of previous MI or stroke; Assessment of the high risk and unmet need in patients with CAD and type 2 diabetes (Athena 1)	eric.wittbrodt@astrazeneca.com
15	Healthcare Resource Utilization and Costs in Patients with Type 2 DM at high risk of CV events, but without a medical history of previous MI or stroke Assessment of The High risk and unmet Need in patients with CAD and type 2 diabetes (ATHENA 2)	eric.wittbrodt@astrazeneca.com
19	Eligibility of patients with type 2 diabetes for SGLT-2 inhibitor cardiovascular outcomes trials: an assessment using the Diabetes Collaborative Registry	eric.wittbrodt@astrazeneca.com
34	Under-recognition of heart failure in ambulatory patients with diabetes	suz.v.arnold@gmail.com
13	Quality of Care Among Diabetic Patients with Cerebrovascular Disease compared to those with other forms of Atherosclerotic Cardiovascular Diseases (ASCVD) – The Diabetes Collaborative Registry	
14	Patterns of Use of Glucose-Lowering Therapies by Prescriber Type in Patients with Type 2 Diabetes Mellitus: the NCDR Diabetes Collaborative Registry	
27	Use of Non-Statins Lipid Medications in Patients with Type 2 Diabetes	vitty.hejy@gmail.com

RPA ID	Title	Lead Author Email
2	Comparison of Diabetes Care Delivery and Health Outcomes in the National Health and Nutrition Examination Survey (NHANES) and Diabetes Collaborative Registry (DCR)	Sanjeev.Mehta@joslin.harvard.edu
30	CVD-Real outcomes vs. DCR outcomes comparison	kirill.zhudenkov@msdecisions.ru
32	Description of the T2DM population that will potentially benefit from the update to ADA/EASD management guidelines.	jesus.medina@astrazeneca.com
8	Diabetes Belt Benchmark Report	gambinr@ccf.org

ICD REGISTRY

RPA ID	Title	Lead Author Email
72	Outcomes Among Medicare Beneficiaries Are Optimized When Primary ICD Implant Occurs During Elective Rather Than Unplanned Hospitalization	gcstewart@partners.org (617-732-7406); ss2894@rwjms.rutgers.edu; soko.setoguchi@dm.duke.edu
98	Changes in the practice of defibrillation testing during initial insertion of implantable cardioverter defibrillators and its effect on patient outcomes: A retrospective analysis of the NCDR ICD Registry.	tiffany.callaway@duke.edu
104	Survival Benefit from the Resynchronization and Defibrillator Components of Cardiac Resynchronization Therapy Defibrillators in the NCDR ICD Registry	bilchick@virginia.edu
171	Association of Physician Certification with Long-term Outcomes of Implantable Cardioverter-Defibrillator Implantations	
193	Weight Status and Outcomes of CRT in Patients With Heart Failure	jechouffotcheugui@bwh.harvard.edu
107	Association Between Sunshine Act Physician Payments and Appropriateness with Selection of ICDs	Dr. shadyhenien@gmail.com
109	Processes of Care and Outcomes in the Uninsured: Insight from NCDR ICD Registry.	imdad.ahmed@yale.edu
120	Outcomes from ICD generator replacements in response to FDA recalls	emily.zeitler@duke.edu

RPA ID	Title	Lead Author Email
134	Clinical and Mechanical Complications after Primary Implantable Cardioverter Defibrillator in Elderly Heart Failure Patients	natash.cy@gmail.com
136	Quadripolar vs. Bipolar Left Ventricular Leads in Cardiac Resynchronization Therapy: An Analysis from the National Cardiovascular Data Registry	ehakemi@cookcountyhhs.org
145	Brief Report on DOJ	
162	Survival after ICD Implantation in Patients With Advanced Heart Failure	marat.fudim@duke.edu
167	Survival Following ICD Implantation in Patients with Amyloid and Sarcoid Cardiomyopathy Compared with Other Nonischemic Cardiomyopathies	aramarnath@yahoo.co.in
168	Sex Differences in Patient Characteristics, Indications, and In-Hospital Adverse Events of the S-ICD	sanket.dhruva@yale.edu
170	CRT Upgrade versus Continued Medical Care Among Eligible ICD Recipients: Predictors of Left Ventricular Lead Upgrade and Association with Long-term Outcomes	matthew.hyman@uphs.upenn.edu
173	In-Hospital Outcomes of Subcutaneous ICDs vs Transvenous ICDs in Dialysis Patients: A report from the NCDR	patrick.pun@duke.edu
176	Characteristics of hospitals performing differently on ICD and CathPCI discharge measures	msimanowith@acc.org

RPA ID	Title	Lead Author Email
184	Use and outcomes of dual chamber and cardiac resynchronization therapy defibrillators among patients undergoing ICD implantation with a pacing indication	ryan.borne@ucdenver.edu
185	Defibrillation threshold testing in Pediatric and Congenital Heart Disease Patients	JPrutkin@cardiology.washington.edu
186	Risk Stratification for ICD Generator Changes in the ICD Registry	bilchick@virginia.edu
190	Access and utilization effects of the Affordable Care Act on ICD therapy: findings from the NCDR	cmadias@tuftsmedicalcenter.org
202	Mortality in Patients with Primary Prevention ICDs for Non-Ischemic Cardiomyopathy Compared with Ischemic Cardiomyopathy & Temporal trends of survival after defibrillator implantation for primary prevention in non-ischemic cardiomyopathy versus ischemic cardiomyopathy	angela.higgins@yale.edu
211	ICD in Patients with Non-ischemic Cardiomyopathy in the United States – Insights from the NCDR ICD Registry (DANISH)	valentina.kutyifa@heart.rochester.edu
218	Longitudinal Outcomes Associated with Non-Evidence-Based ICD Implantations Among Medicare Beneficiaries: A Report from the National Cardiovascular Data Registry.	faisal.aslam@yale.edu
226	Defibrillation threshold testing in Pediatric Patients	JPrutkin@cardiology.washington.edu
239	Survival Following Implantable Cardioverter-Defibrillator Implantation in Patients Sarcoid Cardiomyopathy Compared with Other Non-Ischemic Cardiomyopathies	aramarnath@yahoo.co.in

RPA ID	Title	Lead Author Email
241	Survival Following Implantable Cardioverter-Defibrillator Implantation in Patients Sarcoid Cardiomyopathy Compared with Other Non-Ischemic Cardiomyopathies	
TB submitted	ICD-DELTA Study	soko.setoguchi@duke.edu
TB submitted	Prediction model	Jessica.Jalbert@la-ser.com
151	Trial vs. registry CAS patients	daniel.friedman@duke.edu
161	Longitudinal Outcomes After Implantation of a Subcutaneous or Transvenous ICD: A Report from the NCDR	joeakar@gmail.com
225	Predictors of RV Pacing and Pacing-Induced Adverse Outcomes	
178	Predictors of RV Pacing and Pacing-Induced Adverse Outcomes	

IMPACT REGISTRY

RPA ID	Lead Author	Title	Author Email
67	David Spar	Radiation Usage for Catheter Ablation of AV Reentrant and AV Nodal Reentrant Tachycardia in Pediatric Patients – Insight from the National Cardiovascular Disease Registry (NCDR). (IMPACT Registry)	david.spar@cchmc.org
66	Anjan Batra	In this era of value driven care, does the number and type of procedural supplies used and their cost impact outcome in children undergoing catheter ablation for SVT	abatra@uci.edu
65	Maully Shah	Effect of Ablation Energy Source on Outcomes of Pediatric AVNRT Ablation: RF vs. Cryo	shahm@email.chop.edu
64	Christopher Janson	Effect of Patient Size on Procedural Outcomes in Pediatric Patients Undergoing EP Study and Catheter Ablation for Wolff-Parkinson-White Syndrome	jansonc@email.chop.edu
63	Shashank Behere	Effect of Energy Source on Outcomes in Pediatric Idiopathic Ventricular Arrhythmia Ablation	shashibehere@gmail.com
62	Wendy Whiteside	Percutaneous PDA closure in the current era: practice variation in device selection	wwhites@med.umich.edu

61	Boban Abraham	Use of Infrequent vascular access sites for pediatric and adult congenital cardiac catheterizations- An analysis of NCDR IMPACT data base.	bobanpabr@gmail.com
60	Shankar Baskar	Efficacy and Safety of Catheter Ablation for Atrial Arrhythmias among Adult Patients with Congenital Heart Disease – Insight from the National Cardiovascular Disease Registry (NCDR)	shankarbaskar@gmail.com
59	Boban Abraham	Descriptive Analysis of NCDR IMPACT Registry data for Adult Congenital Cardiac Catheterizations	bobanpabr@gmail.com
58	Shankar Baskar	Radio-Frequency versus Cryo-Ablation for Pediatric Atrioventricular Nodal Reentrant Tachycardia - An Insight from the National Cardiovascular Data Registry (NCDR)	shankarbaskar@gmail.com
57	Ellis Rochelson	Use of Intracardiac Echocardiography for Ablation of Ventricular Tachyarrhythmias in Pediatric and Adult Congenital Heart Disease: Insights From the IMPACT (Improving Adult and Congenital Treatment) Registry	rochelson.ellis@gmail.com
56	Ellis Rochelson	Repeat Ablations In Children with Supraventricular Tachycardia: Insights From the IMPACT (Improving Adult and Congenital Treatment) Registry	rochelson.ellis@gmail.com
53	Shriprasad Deshpande	Atrial Septostomy in Patients Supported With Venoarterial Extracorporeal Membrane Oxygenation: Analysis of the IMPACT Registry Data	sdeshpan@childrensnational.org

51	Christopher Janson	Comparison of Outcomes of Pediatric Supraventricular Tachycardia Ablation Under Sedation Versus General Anesthesia	jansonc@email.chop.edu
50	Ralf Holzer	Re-interventions after pulmonary artery rehabilitation	ralfholzer@gmail.com
48	Doff McElhinney	Standards of Care for Pulmonary and Aortic Balloon Valvuloplasty in Children, Adolescents, and Young Adults with Congenital Heart Disease	doff@stanford.edu
44	Michael O'Byrne	Sedation and Anesthesia Strategies and Outcomes in Pediatric/Congenital Cardiac Catheterization	obyrnem@email.chop.edu
42	Zachary Hena	Safety and Efficacy of Pediatric Cardiac Catheterization while on ECMO: A report from the IMPACT Registry	zhena@montefiore.org
37	Brian Boe	Transradial Access for Congenital Cardiac Catheterizations: Insights from the IMPACT Registry™	brian.boe@nationwidechildrens.org
35	A. Stefanescu	Interventions for coarctation of the aorta in adults- a report from the IMPACT registry	ada.stefanescu@mgh.harvard.edu
34	Ada Stefanescu Schmidt	Use of transcatheter pulmonary valve replacement in patients with congenital heart disease- a report from the IMPACT registry	ada.stefanescu@mgh.harvard.edu

29	Natalie Jayaram	Prediction of adverse events after catheter-based procedures in congenital heart disease in the IMPACT registry.	njayaram@cmh.edu
27	Aimee Armstrong	The IMPACT of Reducing Radiation Risk: An NCDR QI Project	Aimee.Armstrong@nationwidechildrens.org

LAAO REGISTRY

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9	Freeman	Left Atrial Appendage Occlusion Safety and Effectiveness Study.	james.freeman@yale.edu
21	Higgins	Patterns of Peri-procedural Anticoagulation and Anti-platelet therapy for Left Atrial Appendage Occlusion in the United States	angela.y.higgins@gmail.com
32	Alkhouli	Incidence and Outcomes of Peri-Device Leak Following Left Atrial Appendage Occlusion; Insights from the LAAO Registry.	adnanalkhouli@gmail.com
33	Ellenhogen	Real World Outcomes with WATCHMAN: 7-Day Safety and 45-Day Results from the NESTed Post Approval Study	kenneth.ellenbogen@vcuhealth.org
37	Williams	WATCHMAN® New Enrollment PoST Approval Surveillance Analysis Plan to Assess Safety and Efficacy for the use of Dual AntiPlaTelet Post-Implant (WATCHMAN NESTed SAP - DAPT)	Jennifer.Williams2@bsci.com
36	Freeman	National Left Atrial Appendage Occlusion (LAAO) Registry: Review of the First 2.5 Years	james.freeman@yale.edu
38	Freeman	"Safety and Effectiveness of Left Atrial Appendage Closure in Atrial Fibrillation" (SAFELY-AF): Aim 1: A comparison of short-term rates of major adverse events for patients in the pivotal LAAO randomized trials with rates for patients in community-practic	james.freeman@yale.edu

RPA ID	Author Name	Title	Lead Author Email
39	Freeman	"Safety and Effectiveness of Left Atrial Appendage Closure in Atrial Fibrillation" (SAFELY-AF) Aim 2: Evaluating the demographics and medical comorbidities for patients in the LAAO Registry that are associated with major adverse events and developing a risk model	james.freeman@yale.edu
19	Daimee	Indications for Left Atrial Appendage Occlusion in the United States	usama.daimee@yale.edu

PINNACLE REGISTRY

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36	Tobacco Use Patterns in a Nationwide Sample of Outpatient Cardiology Practices	Jiping.Chen@fda.hhs.gov
50	The Relationship between Physician Experience and Cardiac Performance Measure Compliance in Outpatients: The American College of Cardiology and National Cardiovascular Registry's Pinnacle Program	njeri.thande@yale.edu
95	Management of Resistant Hypertension and Implications of PATHWAY-2 Trial in US Cardiology Practices: Insights from NCDR PINNACLE Registry	lauren.thompson@ucdenver.edu
100	Impact of the 2013 Cholesterol Guidelines on Disparities in Appropriate Prescription of Lipid Lowering Therapy	VTANGUTURI@PARTNERS.ORG
119	Practice-Level Variation in Secondary Prevention Treatment Among Patients with Peripheral Artery Disease: Insights From the NCDR PINNACLE Registry	David.Lee@unchealth.unc.edu
154	Association between neighborhood socioeconomic status and quality of outpatient cardiovascular care in the PINNACLE registry	
169	Influence of Neighborhood Income on Variations in Coronary Artery Disease Secondary Prevention Care Among Outpatient Cardiology Practices (Strategic RPA #1)	kjoyntmaddox@wustl.edu
61	Factors influencing prescription of newer antiplatelet agents in patients with coronary artery disease and recent drug eluting stent placement enrolled in the PINNACLE® registry.	salmanbandeali@gmail.com
74	Disparities and geographic variation in the treatment of atrial fibrillation in Native Americans enrolled in the ACC PINNACLE AF registry	lucas.marzec@ucdenver.edu
83	Comparison of major bleeding risk in outpatients with atrial fibrillation on oral anticoagulants: data from the NCDR PINNACLE registry	WongJon@sutterhealth.org

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127	Provider-Level Variation in the Guideline Concordant Management of Cardiovascular Disease: Insights from NCDR PINNACLE	PRATEETI.KHAZANIE@UCDENVER.EDU
136	Practice-level variation in guideline-recommended patient education among outpatients with heart failure: Insights from the PINNACLE Registry	karl.minges@yale.edu
146	Geographic, Provider, and Patient-Level Variations in the Use of Proprotein convertase subtilisin/kexin type 9 (PCSK9) Inhibitors: A Report from the NCDR's Pinnacle Registry	dblumenthal1@partners.org
158	Patient and Practice Characteristics Associated with Switching From Warfarin to a Direct Oral Anticoagulant (DOAC) in Patients with Atrial Fibrillation – An Analysis From the NCDR PINNACLE Registry	
172	Advanced care planning discussions among outpatients with heart failure	Casey.Cavanagh@yale.edu
176	Atrial fibrillation in Asian Americans: Cross Sectional Analysis of the PINNACLE registry	
205	Contemporary Compliance with the 2016 ACC/AHA Clinical Performance and Quality Measures for Adults with Atrial Fibrillation or Atrial Flutter: Insights from the NCDR PINNACLE Registry®. (Strategic #3)	Jonathan.Hsu@ucsd.edu
35	Uptake of Novel Oral Anticoagulants in Patients with Non-Valvular and Valvular Atrial Fibrillation: Results from the NCDR® PINNACLE Registry®	Sandeep.M.Jani@medstar.net
91	Proportion of US Heart Failure Patients with Reduced Ejection Fraction Who May Benefit from Additional Rate Control	mvandyke@amgen.com
106	Gender Differences in Long Term Cardiovascular Outcomes among Women and Men with Atrial Fibrillation: A Review from the NCDR	Stacie.Daugherty@ucdenver.edu
131	Reducing Cardiovascular Risk in the Medicare Million Hearts Risk Reduction Model (strategic ms #1)	wborden@mfa.gwu.edu

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135	Use, Safety, and Effectiveness of Novel Oral Anticoagulants in Overweight and Obese Patients with Atrial Fibrillation	
144	The influence of insurance expansion on cardiovascular preventive care	steckere@ohsu.edu
180	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	HGAGGIN@mgh.harvard.edu
184	Impact of the 2017 ACC/AHA Guideline for the Management of High Blood Pressure on Contemporary Cardiovascular Practices: Insights from the NCDR® PINNACLE® Registry	virani@bcm.edu
188	Relationship Between Industry Payments to Physicians and Prescription Patterns for NOACs, PCSK9 inhibitors, and ARNI: A Report from the NCDR PINNACLE Registry	
206	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	
41	Association between Anti-coagulant use and Chronic Kidney Disease in Patients with Atrial Fibrillation	supriya.shore@ucdenver.edu
62	Outpatient triple anti-thrombotic therapy (TOAT) use in atrial fibrillation patients with recent coronary artery stenting – analysis from NCDR-PINNACLE Registry	wayangs@ccf.org
123	Inter-payer agreement on apparent practice-level composite quality measure performance	safarmer@email.gwu.edu
140	Association between Accountable Care Organization participation and Quality of Outpatient Cardiovascular Care	erica.spatz@yale.edu

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170	Cardiac Rehabilitation Participation in Outpatients with Heart Failure: Does Reimbursement Make a Difference?	Kelsey.Flint@ucdenver.edu
178	Angiotensin Receptor-Neprilysin Inhibitor Utilization in PINNACLE Patients: An NCDR Research to Practice Project	joshmitchellmd@gmail.com

PVI REGISTRY

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20	Sefley	A Risk Model of Acute Kidney Injury in Patients Undergoing Peripheral Vascular Intervention: From the National Cardiovascular Data Registry Peripheral Vascular Intervention (NCDR PVI) Registry™.	dsefley@saint-lukes.org
34	Secemsky	Outcomes following Carotid Artery Stenting compared with Carotid Endarterectomy among Patients with Contralateral Carotid Occlusion: An Analysis from the NCDR PVI Registry	esecemsky@mgh.harvard.edu
19	Lowenstern	In-Hospital Management and Outcomes of Patients Presenting with Critical Limb Ischemia	angela.sandelin@duke.edu
15	Qamar	Impact of Annual Operator Volumes on Outcomes after Lower Extremity Endovascular Revascularization: Insights from the NCDR-PVI Registry	MQAMAR@PARTNERS.ORG
36	Williams	Safety and Effectiveness of Drug-Coated Balloons and Drug-Eluting Stents in the Treatment of Femoropopliteal Stenosis: An Analysis from the ACC PVI Registry	schuyler.jones@dm.duke.edu

STS/ACC TVT REGISTRY

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101	Halim	Transcatheter AVR for the Treatment of High Risk Patients with Bicuspid Aortic Valve Disease. A Report of the STS/ACC TVT Registry	sharif.halim@gmail.com
161	Abhishek Sharma	Relationship of Body Mass Index (BMI) with Outcomes After Transcatheter Aortic Valve replacement (TAVR)	abhishek.sharma@downstate.edu
114	H. Tankazyan	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	htankazyan@llu.edu
296	Al-Bawardy	Effects of pulmonary arterial hypertension on mitral clip outcomes	ral-bawardy@mgh.harvard.edu
256	Guerro	Clinical Outcomes of Transcatheter Mitral Valve Replacement for Degenerated Mitral Bioprostheses (Mitral Valve-in-Valve) and Surgical Rings (Mitral Valve-in-Ring) in the United States	mayraguerrero@me.com
240	S. Baron	Development of a Risk Prediction Model for 1-Year Mortality after Surgical vs. Transcatheter Aortic Valve Replacement in Patients with Severe Aortic Stenosis	suzanne.baron@gmail.com
110	Sherwood	Incidence, Predictors, and Outcomes of Vascular Complications and Bleeding Events in real-world patients undergoing TAVR in the U.S.: Insights from the STS/ACC TVT Registry®	matthew.sherwood@duke.edu
258	Cox	Pre- versus post-procedure clinical event rates and associated healthcare resource utilization in patients who undergo commercial MitraClip placement for severe mitral regurgitation	morgan.cox@duke.edu
209	Masha	Practice patterns and clinical outcomes when cardiac arrest or cardiogenic shock precedes Transcatheter Aortic Valve replacement	luke.i.masha@gmail.com
371	Chhatrwalla	Learning curve for transcatheter mitral repair: Insights from the STS/ACC TVT Registry	achhatrwalla@saint-lukes.org

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98	Don	Outcomes of patients with elevated pulmonary artery pressure undergoing TAVR	creightond@cardiology.washington.edu
117	Sherwood	The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry®	matthew.sherwood@duke.edu
260	Bishawi	Failure to Rescue in Transcatheter Aortic Valve Replacement	muath.bishawi@duke.edu
361	Brennan	Individualized Risk Prediction for Intermediate and High Risk Patients with Aortic Valve Stenosis Considering SAVR or TAVR in the United States	j.matthew.brennan@duke.edu
285	Van Assche	Change in Mitral Valve Gradient Following Mitraclip Repair and Correlation to 30-day and 1 year outcomes	lowie.assche@northwestern.edu
406	Vemulapalli	Improving Data Completeness and Expanding Available Data Elements in the TVT Registry through the use of Electronic Health Record Based Data: Linking the TVT Registry and PCORnet	sreekanth.vemulapalli@duke.edu
353	Villablanca	Sex-Based Differences in Outcomes After Transcatheter Repair of Mitral Regurgitation with the MitraClip System	pedrovillablanca@hotmail.com
357	Cox	The Association Between Driving Distance and Outcomes after TAVR	morgan.cox@duke.edu
253	Bhardwaj	Outcomes of trans-catheter aortic valve replacement (TAVR) in patients with mixed aortic valve disease	bhardwajb@health.missouri.edu
350	Vavalle	The Effect of Obesity on Outcomes in Patients Undergoing MitraClip- Insights from the TVT-NCDR registry	jvavalle@gmail.com
170	K. Greason	AATS Guideline: TAVI in the hybrid operating room, hybrid catheterization suite, or catheterization laboratory; is there a difference?	greason.kevin@mayo.edu
374	Anwaruddin	Understanding Out of Hospital 30 Day Mortality after TAVR: An Analysis of the STS/TVT Registry	sanwaruddin@gmail.com
399	Cohen	Impact of Short-Term Complications of TAVR on Outcomes. Results from the STS/ACC Transcatheter Valve Therapy Registry.	dcohen@saint-lukes.org
438	Carroll	STS/ACC TVT Registry 2018 Update from Three Modules	john.carroll@ucdenver.edu

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440	Julien	Acute Kidney Injury in Transcatheter Aortic Valve Replacement	hmartinjulien@gmail.com
444	Lowenstern	Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim1	angela.sandelin@dm.duke.edu
442	Wang	Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim2	A.WANG@DUKE.EDU
342	Kaneko	Peripheral versus Central Access for Alternative Access TAVR	tkaneko2@partners.org
447	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	tuzcue@ccf.org
451	Arora	Association of Post Transcatheter Aortic Valve Implantation Mitral Regurgitation with Mortality and Heart Failure Readmission in Patients with Aortic Stenosis	parora@uabmc.edu
449	Russo	Case Volume vs. Outcomes Relationship with Balloon Expandable TAVR Valves: Insights from the TVT Registry	mr2143@gmail.com
452	Kaneko	Transcatheter Aortic Valve Replacement Outcomes by Procedure Location: Catheterization Laboratory versus Operating Room	TKaneko2@partners.org
454	Makkar	SAPIEN 3 Outcomes in Bicuspid vs. Tricuspid Aortic Valve Stenosis	makkarr@cshe.org
422	Hejjaji	Association between short term health status variation and long-term clinical outcomes after trans-catheter valve therapies: Insights from the STS/ACC TVT registry	vhejjaji@saint-lukes.org
421	Malik	Variability in the 30-day Quality of Life Benefits After MitraClip Implantation in a Real-World Population. Results from the STS/ACC Transcatheter Valve Therapy Registry.	aomalik@saint-lukes.org
417	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.	ttanawuttiwat@umc.edu

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413	Butala	Conscious sedation versus general anesthesia for transcatheter aortic valve replacement: variation in practice and instrumental variable analysis	nmbutala@gmail.com
409	Valle	Growth and Dissemination of Transcatheter Aortic Valve Replacement in the United States and Procedural Volumes, Risk Profiles and Outcomes: Insights from the TVT Registry	javier.valle@ucdenver.edu
384	Kataruka	Outcomes of Percutaneous Structural Interventions at Top-Ranked and Non-Ranked Hospitals: Insights from the NCDR STS/ACC TVT Registry	akash.kataruka@gmail.com
439	Vemulapalli	The TAVR Volume Outcome Relationship: A report from the STS/ACC TVT Registry	sreekanth.vemulapalli@duke.edu

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	CCF Update	aponirakis@acc.org
7	Developing Risk Prediction Models for AML, PCI, and ICD Patients Using Novel Analytic Methods: Yale-BD2K Use Case	harlan.krumholz@yale.edu