

In Process, Unpublished NCDR Manuscripts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	Title	Lead Author Email
574	The Extending Trial-Based Evaluations of Medical Therapies Using Novel Sources of Data (EXTEND) Study	ryeh@bidmc.harvard.edu
573	PCI operator phenotypes and associations with procedural outcomes	jakedoll@gmail.com
572	Excimer laser coronary angioplasty: Current use and complications in the NCDR/CATH PCI Registry	msintek@wustl.edu
571	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	Evaluating Personalized Treatment Effectiveness of PCI Bleeding Avoidance Strategies Using the CathPCI Registry	bobak.mortazavi@yale.edu
569	Dynamic Changes to Risk of Post-PCI Major Bleeds Throughout a Cardiac Catheterization Laboratory Visit Using the CathPCI Registry	bobak.mortazavi@yale.edu
568	Machine learning techniques to enhance the prediction of acute kidney injury after percutaneous coronary intervention	karthik.murugiah@yale.edu
567	Association of Time to Angiography With Outcomes in Post-Cardiac Arrest Patients without ST Elevation Myocardial Infarction	divyanshu26@hotmail.com
566	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

565	Comparison of post-percutaneous coronary intervention outcomes among patients treated by male and female interventionists	hafizabdulmoiz@hotmail.com
564	THE ASSOCIATION OF THE 'RISK-TREATMENT PARADOX' WITH BLEEDING IN PATIENTS UNDERGOING PCI: INSIGHTS TO INFORM THE ACC NATIONAL BLEEDING CAMPAIGN.	nfrogge@wustl.edu
563	THE ASSOCIATION OF THE 'RISK-TREATMENT PARADOX' WITH BLEEDING IN PATIENTS UNDERGOING PCI: INSIGHTS TO INFORM THE ACC NATIONAL BLEEDING CAMPAIGN.	mthangam@wustl.edu
562	CARE PATHWAYS FOR ACUTE CORONARY SYNDROMES: AN EVALUATION OF OUTCOMES AND COSTS.	mthangam@wustl.edu
561	Utility of mechanical circulatory support (MCS) in chronic total occlusion percutaneous coronary intervention (CTO PCI): Gender variations in predictors of use and outcomes	tanvir.k.kahlon@gmail.com
560	The Association of 'surgical ineligibility' with mortality and PCI complications among patients undergoing unprotected left main PCI: Insights from the NCDR CathPCI Registry	mcneely011@gmail.com
559	Trends and Outcomes of Patients with Prior Coronary Artery Bypass Surgery (CABG) Surgery Presenting with Acute Coronary Syndrome	ronramad@gmail.com
558	A Novel Risk Prediction Model to Predict the Risk of Vascular and Bleeding Complications in Impella Assisted High-Risk Percutaneous Coronary Interventions	mthangam@wustl.edu
557	Comparison of the Association of Body Mass Index (BMI) to First Percutaneous Coronary Intervention (PCI) in Young Patients Under the Age of 50 years to Elderly Patients Age of 65 years and Older	smk9018@nyp.org
556	Trends and Hospital Variations in the Diagnostic Yield of Elective Cardiac Catheterization	faisal.aslam@yale.edu
555	Physician-specific rates of Fractional flow reserve testing.	ashvin.pande@gmail.com
553	Prescribing antianginal medical therapy prior to elective catheterization for chronic stable angina and its impact on future hospitalizations. A look into the NCDR CathPCI registry	yeunjung.kim@yale.edu
552	The Prevalence and Outcomes of Transradial Access for Percutaneous Coronary Intervention in Patients with Prior Coronary Artery Bypass Grafting	wassef@hotmail.com
551	Performance of hospitals when assessing disease mortality as compared to procedural mortality for acute myocardial infarction	Ashwin.Nathan@uphs.upenn.edu
550	Consequences of Frailty in Older Adults Treated with Percutaneous Coronary Interventions After Acute Myocardial Infarction	adamluji@gmail.com

549	Anticoagulant vs. High Potency Antiplatelet Therapy for Patients With STEMI and Left Ventricular Dysfunction	guillaume.marquis.gravel@duke.edu
548	Racial/Ethnic Compositions of CAD Patients Affect Hospital-level Racial Disparities in Acute Coronary Syndrome Treatment and Outcomes	xud9002@nyp.org
546	Timing of Mechanical Circulatory Support in Percutaneous Coronary Intervention Patients Presenting with Cardiogenic Shock	harisriaz73@yahoo.com
545	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
544	Temporal trends and predictors of radial access for Primary Percutaneous Coronary Intervention for STEMI during off-hours. A Report from the National Cardiovascular Data CathPCI Registry	manova.david@aaultman.com
543	Development and validation of a model to predict in-hospital ischemic stroke complicating percutaneous coronary intervention	cbeale@lifespan.org
542	Hospital Length of Stay and Clinical Outcomes in NSTEMI Patients Undergoing PCI: Insights from the National Cardiovascular Data Registry	Muhammad Khan
540	Temporal Trends, Predictors and Outcomes associated with use of Embolic Protection Devices in Saphenous Vein Graft Interventions: insights from the NCDR CathPCI registry	shahzebkhan@gmail.com
539	Physician-specific metrics of ad hoc PCI	ashvin.pande@gmail.com
537	Timing of Mechanical Circulatory Support and Outcomes of Percutaneous Coronary Intervention in Cardiogenic Shock: An Analysis of the NCDR CathPCI Registry	nsmilowitz@gmail.com
536	Revascularization Strategies in Patients with Cardiogenic Shock Complicating ST-Segment-Elevation Myocardial Infarction	ddoukas@lumc.edu
535	In-hospital Renal Outcomes of Patients Undergoing Percutaneous Coronary Intervention (PCI) According to Pre-PCI Hemoglobin Levels	mzhuo@bidmc.harvard.edu
533	Temporal trends, Geographical patterns, and Associated Outcomes of Rescue PCI for ST Elevation Myocardial Infarction in Clinical Practice. A Report From the National Cardiovascular Data CathPCI Registry	manova.david@aaultman.com
530	Association Between Neighborhood Socioeconomic Status and Outcomes after Percutaneous Coronary Intervention (PCI) in the Contemporary Era	Linda.Koshy@nyumc.org
529	Outcomes in Patients with Acute Myocardial Infarction Cardiogenic Shock with a Focus on Timing and Comparative Efficacy of Mechanical Circulatory Support Devices.	ddoukas@lumc.edu
523	Uptake and Utilization of Drug-eluting Bioresorbable Vascular Scaffolds: A CathPCI Registry Study	ak189@mail.cumc.columbia.edu

521	Transradial Artery Access In PCI by Clinical Indication: UK and US	h.v.anderson@uth.tmc.edu
520	Patterns and Outcomes of Ticagrelor Use in Patients with Renal Dysfunction Undergoing PCI: Insights from the NCDR ® CathPCI Registry	hira.ravi@gmail.com
519	Percutaneous Coronary Intervention Related Complications, in Hospital Mortality in Nonagenarians: Findings from National Cardiovascular Database Registry, CathPCI	sjalnap@gmail.com
503	Trends, procedural characteristics and outcomes of young patients presenting with ST-elevation myocardial infarction. Insights from NCDR®	rsnairooz@gmail.com
501	Racial differences, outcomes and discrepancies in care of acute ST-elevation myocardial infarction. Insights from NCDR®	rsnairooz@gmail.com
498	Operator Age and Outcomes of Percutaneous Coronary Intervention: Insights from the NCDR CathPCI Registry	jane.lee2@ucsf.edu
494	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
492	Trends in Intravascular Ultrasound and Fractional Flow Reserve Use During Percutaneous Coronary Intervention of Intermediate Severity Lesions in the United States	Nathaniel.Smilowitz@nyumc.org
487	Concordance and discordance of appropriate ratings for percutaneous coronary intervention between new and old appropriate use criteria	taku.inohara@duke.edu
477	Contemporary Patterns and Trends in Duration of Antiplatelet Therapy After Percutaneous Coronary Intervention in Patients on Oral Anticoagulants	JAbbott@Lifespan.org
446	Temporal Trends in Unprotected Left Main Coronary Artery Percutaneous Coronary Intervention in the United States from 2009-2016: Insights from the National Cardiovascular Data Registry	javier.valle@ucdenver.edu
442	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
440	Ad hoc Percutaneous Coronary Intervention in Patients with Stable Coronary Artery Disease	kfaridi@bidmc.harvard.edu
426	Current Landscape of Hybrid Revascularizations: A Report from the National Cardiovascular Data Registry	angela.sandelin@dm.duke.edu
422	Trends in Use, Outcomes, and Cost Implications of Same Day Discharge Following Elective Percutaneous Coronary Intervention	steven.bradley@allina.com
419	Comparison of Rates of Bleeding and Vascular Complications Before, During, and After Trial Enrollment in the SAFE-PCI Trial for Women	jennifer.rymer@duke.edu
405	Stent Selection Among Patients with End Stage Renal Disease Undergoing Elective Percutaneous Coronary Interventions	danfeldman.email@gmail.com

391	Use and Effectiveness of Manual Aspiration Thrombectomy during Primary Percutaneous Coronary Intervention for the Treatment of ST-Elevation Myocardial Infarction in the US: An Analysis from the NCDR CathPCI Registry	esecemsky@partners.org
387	Symptom Onset to Door Time, Door to Balloon Time and Mortality in patients with ST Elevation Myocardial Infarction	dadu@bcm.edu
381	A Patient-centered Approach to Reduce Contrast Volume during Percutaneous Coronary Intervention to prevent Acute Kidney Injury	Alishafiq82@yahoo.com
374	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	An Assessment of the Operator Learning Curve for Percutaneous Coronary Intervention of Chronic Total Occlusions.	mnyoung@mgh.harvard.edu
353	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
305	(305B) Temporal trends and regional patterns of operator percutaneous coronary intervention volume in the United States.	alexander.fanaroff@dm.duke.edu
297	Comparison of percutaneous coronary intervention procedures in China and the US in 2006 and 2011	robert.mcnamara@yale.edu nicholas.downing@yale.edu
276	The Prevalence, Determinants and Outcomes of Myocardial Infarction with Non-Obstructive Coronary Arteries (MINOCA)	rachel.dreyer@yale.edu
248	(248 B) Exploiting Physician Variation in Anticoagulation Use to Compare Effectiveness of Bivalirudin versus Heparin for PCI in Routine Practice	ryeh@mgh.harvard.edu
242	(242 B) Comparative Safety of Aspiration Thrombectomy Catheters Utilizing Prospective, Active Surveillance of the NCDR CathPCI Registry	arjun.majithia@gmail.com frederic.resnic@lahey.org
230	Percutaneous coronary intervention of Internal mammary artery bypass grafts: Findings from the NCDR to the National Cardiovascular Data Registry (NCDR)	yeo_kk@yahoo.com
216	PCI Appropriateness in States With and Without Certificate of Need Regulations	philip.chui@yale.edu
168	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
168	TOP PCI: Survey: To survey hospitals in order to test hypotheses about which specific hospital organizational strategies are associated with lower risk-standardized 30-day mortality and readmission rates for patients undergoing PCI.	karl.minges@yale.edu

CHEST PAIN - MI REGISTRY

RPA ID	Title	Email
337	Prodrug vs Active Metabolite P2Y12 Receptor Inhibitors in Cardiogenic Shock and Primary Coronary Intervention (PCI)	Dr.kattan@gmail.com
336	Contemporary Trends in the Use of Very Early Invasive Strategy (within < 12 h from admission), its Predictors and Outcomes among Patients with NSTEMI-ACS	kumara9@ccf.org
335	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
334	Temporal Trends of Higher Potency P2Y12 Inhibitor Use and Bleeding Outcomes in Patients with Myocardial Infarction Complicated by Out of Hospital Cardiac Arrest	ajar.kochar@duke.edu
315	Comparison of Outcomes between Direct-Acting Oral Anti-coagulants and Warfarin in patients with STEMI undergoing Primary Percutaneous Coronary Intervention – An analysis from the NCDR ACTION Registry-GWTG	manantha@umn.edu
314	Effects of Early vs Delayed Administration of ACE-Inhibitor and ARB on 30-day Mortality After Acute Myocardial Infarction in the United States: Results From the National Cardiovascular Data Registry (NCDR).	cecilia.berardi@yale.edu
313	Attributes of high-performing hospitals for cardiogenic shock following acute myocardial infarction	Dharam.Kumbhani@UTSouthwestern.edu
312	Practice Patterns and Outcomes of Prophylactic Anticoagulation in Anterior Myocardial Infarction: insights from the ACTION registry	rbhattacharya@mgh.harvard.edu
311	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	aramarnath@gmail.com
310	Outcomes in Patients with Acute Myocardial Infarction Cardiogenic Shock with a Focus on the Comparative Efficacy of Mechanical Circulatory Support Devices	Lucas.Burke@lumc.edu

309	Trends in Volume, Quality, and Outcomes for Acute Myocardial Infarction (AMI) Among Hospitals Participating in Bundled Payments for Care Improvement (BPCI) – An Analysis from the NCDR ACTION Registry - GWTG	august.oddleifson@yale.com
308	Underutilization of ICD therapies in Post-MI Patients with Chronic Kidney Disease	melissa.makar@gmail.com
307	Clinical Outcomes in NSTEMI patients who underwent early invasive strategy within 24 hours according to the timing of use of P2Y12 Inhibitor: Insights from the ACTION Registry®–GWTG™	drpedrobarros80@gmail.com
306	Understanding Racial Disparities in Invasive Management for Patients with Acute Myocardial Infarction and Chronic Kidney Disease	jennifer.rymer@dm.duke.edu
305	Impact of Obesity on Young Patients Under the Age of 50 on Short Term Outcomes with Non Acute ST Elevation Acute Myocardial Infarction (NSTEMI)	smk9018@nyp.org
302	Implication of Prior Coronary Artery Bypass Grafting for Patients Presenting with an Acute Myocardial Infarction: An Analysis from the NCDR	akaneria1@gmail.com
300	A Patient- and Hospital-Level Analysis from the NCDR ACTION Registry-GWTG	leila.haghighat@yale.edu
298	Evaluation of trends in referral to Cardiac rehabilitation (CR) after acute myocardial infarction	munis.raza@spectrumhealth.org
297	Use of Novel P2Y12 Inhibitors in ST-Elevation Myocardial Infarction in the United States	kfaridi@bidmc.harvard.edu
291	The Effect of Door-to-Balloon Time on Access Site Selection and Outcomes in Patients Presenting with STEMI – An Analysis performed using the NCDR ACTION-GWTG registry	ashwin.nathan@uphs.upenn.edu
287	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
286	Circadian and seasonal patterns of MI by sex and CAD status in ACTION	harmony.reynolds@nyumc.org
279	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

274	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
269	Trends of Compliance with Guideline Directed Therapy and Performance and Quality Measures in Diabetic Patients Admitted with Acute Coronary Syndrome	drtusharacharya@gmail.com
266	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
265	Predictors of hospital length of stay and utilization of post-acute services following myocardial infarction	JWASFY@mgh.harvard.edu
264	Prediction Models to Assess Risk of 90-Day Readmission After Hospitalization For Acute Myocardial Infarction	vinay.kini@ucdenver.edu
261	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@dm.duke.edu
259	The Impact of Medicaid Expansion on Acute Myocardial Infarction (AMI) Treatment and Outcomes in Low Income, Non-elderly Adults	rwadhera@partners.org
258	Cardiovascular disease Unmasked In DisAggregated Hispanic Data (CUIDADO)	frodrigu@stanford.edu
251	Public Reporting and Outcomes of Patients with Out-of-Hospital Cardiac Arrest	arjun.majithia@lahey.org
248	Patterns and Trends of Care of AMI patients according to Insurance Payor Status.	Sunny.Jhamnani@yale.edu
247	Cardiac catheterization laboratory pre-activation and time-to-treatment for primary PCI: Insights from the ACTION GWTG-Registry	jay.shavadia@duke.edu
244	Validation of a score to predict the risk of acute kidney injury in patients with acute myocardial infarction	khalid.abusaada.md@flhosp.org
243	Changes in Performance Measures Over Time after Implementation of the Patient Navigator program	albertn@ccf.org
237	Comparative Methods proposal	laine.thomas@duke.edu
236	Location of Readmission	jennifer.rymer@duke.edu
234	Yale-BD2K: Developing Risk Prediction Models for AMI, PCI, and ICD Patients Using Novel Analytic Methods	harlan.krumholz@yale.edu
232	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
219	Cognitive Impairment and Outcomes in Older Patients with Acute Myocardial Infarction: A Report from the National Cardiovascular Data Registry.	bagaia@smh.ca

216	Myocardial infarction and atrial fibrillation, evaluation of management and outcomes in the age of novel oral anticoagulants: a report from the NCDR ACTION® Registry.	feldmd01@hotmail.com
214	The association of geriatric impairments with in-hospital bleeding among older adults with acute myocardial infarction: Insights from the ACTION Registry	John.Dodson@nyumc.org
205	Frailty and Outcomes in a Large Acute Myocardial Infarction Registry: Observations from the NCDR ACTION Registry GWTG	jay.udell@utoronto.ca
204	Hospital Engagement in clinical participation	avora1@partners.org
196	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	Ethnic disparities in secondary prevention therapy and risk factors burden in patients with known CAD at the time of admission for ACS	elizabeth-mora-garzon@ouhsc.edu
193	Treatment, Trends and Outcomes of Late Presenting ST-Elevation Myocardial Infarction	yangzhan32@gmail.com
190	Characteristics and outcomes among patients receiving therapeutic hypothermia for myocardial infarction complicated by out-of-hospital cardiac arrest	christopher.fordyce@duke.edu
186	Temporal Trends in Treatments and Outcomes of Dialysis Patients with Acute Myocardial Infarction: A Report from the National Cardiovascular Data Registry	akshay.bagai@utoronto.ca
178	Hospital variation in antiplatelet agents after myocardial infarction, an analysis of the NCDR ACTION Registry-GWTG	Benjamin.Rodwin@yale.edu
162	Changes in antithrombotic therapy among patients with previous atrial fibrillation and coronary artery disease admitted with acute myocardial infarction	patricia.guimaraes@duke.edu
158	Hospital Performance on the NCDR ACTION Registry-GWTG "All-or-None Composite Measure	nihar.desai@yale.edu
152	Hospital variation in short- and long-term adherence to evidence-based medications	wtw8@duke.edu
143	ICU risk prediction model -ICU Utilization in Acute MI	alexander.fanaroff@dm.duke.edu
142	Association between post-discharge lipid testing and use of lipid-lowering therapies 1 year after myocardial infarction	wtw8@duke.edu
141	Outcomes Comparison Between Patients With Post-Myocardial Infarction Outpatient Care Delivered by Physicians versus Non-Physician Providers	jennifer.rymer@duke.edu
139	Comparison of treatments and outcomes among patients with STEMI in China and US in 2011	robert.mcnamara@yale.edu nicholas.downing@yale.edu

133	Ticagrelor use in patients with Acute Coronary Syndromes: Insights from the National Cardiovascular Data Registry	sukhdeep.basra@bswhealth.org basra@bcm.edu
126	Variation in Hospital Mortality for STEMI Patients who have Cardiac Arrest Undergoing Primary PCI	mkontos@mcvh-vcu.edu mckontos@vcu.edu
84	Treatment, Trends and Outcomes of Late Presenting ST-Elevation Myocardial Infarction.	kureshifaraz@hotmail.com praneetks@gmail.com

IMPACT REGISTRY

RPA ID	Title	Author Email
53	Atrial Septostomy In Patients Supported With Venoarterial Extracorporeal Membrane Oxygenation: Analysis of the IMPACT Registry Data	deshpandes@kidsheart.com
52	Cardiac catheterization interventions in pediatric heart transplant recipients	mcgill88@gmail.com
51	Comparison of Outcomes of Pediatric Supraventricular Tachycardia Ablation Under Sedation Versus General Anesthesia	jansonc@email.chop.edu
50	Re-interventions after pulmonary artery rehabilitation	ralfholzer@gmail.com
49	Linkage of the ACC-NCDR IMPACT Registry and the STS Congenital Heart Surgery Database to evaluate safety and efficacy of post-operative cardiac catheterization	kevin.hill@duke.edu
48	Standards of Care for Pulmonary and Aortic Balloon Valvuloplasty in Children, Adolescents, and Young Adults with Congenital Heart Disease	doff@stanford.edu
47	Pediatric Cardiac Catheterization in Down Syndrome Patients: An NCDR® Study	carl.backesjr@nationwidechildrens.org
46	Center variability in approach to sedation during pediatric cardiac catheterization; An observation from the NCDR IMPACT registry	reid.chamberlain@duke.edu
45	Balloon Stabilization Reduces Subsequent Aortic Insufficiency in Aortic Valvuloplasty	hiremath@umn.edu
43	Validating the IMPACT Registry Risk-Standardization Model in IMPACT version 2	Lisa.Bergersen@CARDIO.CHBOSTON.ORG
42	Safety and Efficacy of Pediatric Cardiac Catheterization while on ECMO: A report from the IMPACT Registry	zhena@montefiore.org
40	Characterization of Radiation Exposure in Pediatric Cardiac Catheterization in the IMPACT Registry	nsutton@montefiore.org
39	Radiation dosage in pediatric and adult cardiac catheterization laboratory: data from IMPACT registry	drvarunaggarwal@gmail.com
38	Transhepatic approach for catheter interventions in children and adults: usage and complications	drvarunaggarwal@gmail.com
35	Interventions for coarctation of the aorta in adults- a report from the IMPACT registry	ada.stefanescu@mgh.harvard.edu
34	Use of transcatheter pulmonary valve replacement in patients with congenital heart disease- a report from the IMPACT registry	ada.stefanescu@mgh.harvard.edu
33	Practice patterns and post-procedure outcomes in patients undergoing transcatheter pulmonary valve replacement	pankajmadanmd@gmail.com

29	Prediction of adverse events after catheter-based procedures in congenital heart disease in the IMPACT registry.	njayaram@cmh.edu
27	The IMPACT of Reducing Radiation Risk: An NCDR QI Project	Aimee.Armstrong@nationwidechildrens.org
16	Evaluation of Failure to Rescue as Quality Metric in Pediatric Cardiac Catheterization: An Analysis of the IMPACT Registry	obyrnem@email.chop.edu

ICD REGISTRY

RPA ID	Title	Lead Author Email
127	Can machine learning complement traditional medical device surveillance? A case study of dual-chamber implantable cardioverter-defibrillators	harlan.krumholz@yale.edu
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;
128	Outcomes of primary prevention ICD generator replacement in patients with recovered LV systolic function	icthomas@ucsd.edu
TBD	Assessing Outcomes and Costs of Remote Patient Monitoring Among Patients with Implanted Cardiac Defibrillators: An Economic Model Based on the PREDICT RM Database	
146	Characteristics and Outcome of Pediatric Patients Who Undergo Placement of Implantable Cardioverter-Defibrillator - An Insight from the National Cardiovascular Data Registry (NCDR)	Shankar.Baskar@cchmc.org
109	Processes of Care and Outcomes in the Uninsured: Insight from NCDR ICD Registry.	imdad.ahmed@yale.edu
TB submitted	Prediction model	soko.setoguchi@duke.edu
134	Clinical and Mechanical Complications after Primary Implantable Cardioverter Defibrillator in Elderly Heart Failure Patients	natash.cy@gmail.com

RPA ID	Title	Lead Author Email
TB submitted	Trial vs. registry CAS patients	Jessica.Jalbert@la-ser.com
136	Quadripolar vs. Bipolar Left Ventricular Leads in Cardiac Resynchronization Therapy: An Analysis from the National Cardiovascular Data Registry	ehakemi@cookcountyhhs.org
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
132	Off-Label CRT-D Implantation in the United States from 2012-2015	AMNEET.SANDHU@UCDENVER.EDU
150	Timing of ICD Placement for Primary Prevention from Last Hospitalization for Heart Failure-Patient Characteristics, Periprocedural Complications, Post-Discharge Outcomes	andrew.ambrosy@duke.edu
137	Outcomes among CRT Patients with Nonspecific Conduction Delay Compared to RBBB	hkawata@uci.edu
161	Predictors of RV Pacing and Pacing-Induced Adverse Outcomes	
107	Association Between Sunshine Act Physician Payments and Appropriateness with Selection of ICDs	Dr. shadyhenien@gmail.com
171	Association of Physician Certification with Long-term Outcomes of Implantable Cardioverter-Defibrillator Implantations	

RPA ID	Title	Lead Author Email
193	Weight Status and Outcomes of CRT in Patients With Heart Failure	
211	ICD in Patients with Non-ischemic Cardiomyopathy in the United States – Insights from the NCDR ICD Registry (DANISH)	
95	Survival of Patients Receiving a Secondary Prevention Implantable Cardioverter-defibrillator in Clinical Practice vs a Clinical Trial	carolina.hansen@duke.edu
120	Outcomes from ICD generator replacements in response to FDA recalls	emily.zeitler@duke.edu
151	Longitudinal Outcomes After Implantation of a Subcutaneous or Transvenous ICD: A Report from the NCDR	daniel.friedman@duke.edu
167	Survival Following ICD Implantation in Patients with Amyloid and Sarcoid Cardiomyopathy Compared with Other Nonischemic Cardiomyopathies	aramarnath@yahoo.co.in
162	Survival after ICD Implantation in Patients With Advanced Heart Failure	
168	Sex Differences in Patient Characteristics, Indications, and In-Hospital Adverse Events of the S-ICD	
170	CRT Upgrade versus Continued Medical Care Among Eligible ICD Recipients: Predictors of Left Ventricular Lead Upgrade and Association with Long-term Outcomes	

RPA ID	Title	Lead Author Email
173	In-Hospital Outcomes of Subcutaneous ICDs vs Transvenous ICDs in Dialysis Patients: A report from the NCDR	
178	Outcomes in patients with diabetes receiving a subcutaneous implantable cardioverter defibrillator	sabhinav@ualberta.ca
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 Congenital Heart Disease Patients	JPrutkin@cardiology.washington.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
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

RPA ID	Title	Lead Author Email
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

LAAO REGISTRY

NEW RPA ID	Title	Lead Author Email
21	Patterns of Peri-procedural Anticoagulation and Anti-platelet therapy for Left Atrial Appendage Occlusion in the United States	angela.y.higgins@gmail.com
17	Procedural Safety of WATCHMAN Implantation: The US NESTed Post Approval Study	paul.varosy@ucdenver.edu
9	Left Atrial Appendage Occlusion Safety and Effectiveness Study.	james.freeman@yale.edu
4	WATCHMAN US Post-Implant Drug Therapy Analysis	Jennifer.Williams2@bsci.com

NCDR

OLD RPA ID	NEW RPA ID	Title	Lead Author Email
O2N-A		Data quality?	kho@bidmc.harvard.edu
	NCDR 0005	Comparative Effectiveness of Carotid Artery Stenting and Carotid Endarterectomy Among Medicare Beneficiaries 2005-2009	jessica.jalbert@la-ser.com
03N-B		CCF Update	aponirakis@acc.org
	7	Developing Risk Prediction Models for AMI, PCI, and ICD Patients Using Novel Analytic Methods: Yale-BD2K Use Case	harlan.krumholz@yale.edu

PINNACLE REGISTRY

RPA ID	Title	Lead Author Email
PINN 103	Demographic, Socioeconomic And Practice-level Disparities In Smoking Cessation Assistance For Current Smokers In Cardiology Clinics	Mayank.Sardana@umassmemorial.org
PINN 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
PINN 36	Tobacco Use Patterns in a Nationwide Sample of Outpatient Cardiology Practices	Jiping.Chen@fda.hhs.gov
PINN 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
PINN 73	Rates and Predictors of Vitamin-K Antagonist and Novel Oral Anticoagulant Use for Atrial Fibrillation in Patients with Heart Failure with Preserved and Depressed Ejection Fractions: Insights from the NCDR PINNACLE-AF Registry	johanna.contreras@mountsinai.org
PINN 127	Provider-Level Variation in the Guideline Concordant Management of Cardiovascular Disease: Insights from NCDR PINNACLE	PRATEETI.KHAZANIE@UCDENVER.EDU
PINN 131	Reducing Cardiovascular Risk in the Medicare Million Hearts Risk Reduction Model (strategic ms #1)	wborden@mfa.gwu.edu
PINN 139	Stroke and Hemorrhagic Complications Among Older Patients with Atrial Fibrillation Prescribed Warfarin versus Non-Vitamin K Antagonist Oral Anticoagulants: Insights from the NCDR PINNACLE Registry	Jonathan.Hsu@ucsd.edu
PINN 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	
PINN 169	Influence of Neighborhood Income on Variations in Coronary Artery Disease Secondary Prevention Care Among Outpatient Cardiology Practices (Strategic RPA #1)	kjoyntmaddox@wustl.edu

RPA ID	Title	Lead Author Email
PINN 181	Use of Sacubitril/Valsartan in the Treatment of Patients with Heart Failure with Reduced Ejection Fraction following its Addition to Clinical Practice Guidelines: An Analysis from the American College of Cardiology's (ACC) National Cardiovascular Data Reg- Novartis RPA #2	"Contact for updates: april.trebnick@baiminstitute.org
PINN 182	A Heart Failure Analysis from the PINNACLE Registry	Jjanuzzi@Partners.org "
PINN 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
PINN 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
PINN 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
PINN 95	Management of Resistant Hypertension and Implications of PATHWAY-2 Trial in US Cardiology Practices: Insights from NCDR PINNACLE Registry	lauren.thompson@ucdenver.edu
PINN 00091	Proportion of US Heart Failure Patients with Reduced Ejection Fraction Who May Benefit from Additional Rate Control	mvandyke@amgen.com
PINN 100	Impact of the 2013 Cholesterol Guidelines on Disparities in Appropriate Prescription of Lipid Lowering Therapy	VTANGUTURI@PARTNERS.ORG
PINN 106	Gender Differences in Long Term Cardiovascular Outcomes among Women and Men with Atrial Fibrillation: A Review from the NCDR®	Stacie.Daugherty@ucdenver.edu
PINN 121	Racial Differences in Atrial Fibrillation Stroke Risk in a Contemporary United States Patient Population	dewland@ohsu.edu

RPA ID	Title	Lead Author Email
PINN 123	Inter-payer agreement on apparent practice-level composite quality measure performance	safarmer@email.gwu.edu
PINN 136	Practice-level variation in guideline-recommended patient education among outpatients with heart failure: Insights from the PINNACLE Registry	karl.minges@yale.edu
PINN 154	Association between neighborhood socioeconomic status and quality of outpatient cardiovascular care in the PINNACLE registry	
PINN 156	Differences in Management of Coronary Artery Disease in Patients with Medicare Advantage vs. Traditional Medicare Among Outpatient Cardiology Practices	jfigueroa@hsph.harvard.edu
PINN 178	Angiotensin Receptor-Neprilysin Inhibitor Utilization in PINNACLE Patients: An NCDR Research to Practice Project	joshmitchellmd@gmail.com
PINN 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
PINN 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
PINN 83	Comparison of major bleeding risk in outpatients with atrial fibrillation on oral anticoagulants: data from the NCDR PINNACLE registry	WongJon@sutterhealth.org
PINN172	Advanced care planning discussions among outpatients with heart failure	Casey.Cavanagh@yale.edu
PINN 138	Blood Pressure and Treatment Patterns Among Older Adults After Recent Major Trial Results and Guideline Recommendations	eric.j.brandt@yale.edu

RPA ID	Title	Lead Author Email
PINN 140	Association between Accountable Care Organization participation and Quality of Outpatient Cardiovascular Care	erica.spatz@yale.edu
PINN 144	The influence of insurance expansion on cardiovascular preventive care	steckere@ohsu.edu
PINN 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
PINN 170	Cardiac Rehabilitation Participation in Outpatients with Heart Failure: Does Reimbursement Make a Difference?	Kelsey.Flint@ucdenver.edu
PINN 41	Association between Anti-coagulant use and Chronic Kidney Disease in Patients with Atrial Fibrillation	supriya.shore@ucdenver.edu
PINN 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
PINN 92	Effect of Health Status Changes on Treatment Patterns in Heart Failure Patients	

PVI REGISTRY

RPA ID	Title	Lead Author Email
9	Prevalence, predictors and outcomes of bleeding complication in peripheral vascular interventions for lower extremities	bhardwajb@umkc.edu
10	The American College of Cardiology Peripheral Vascular Intervention Registry: Methods and Design	schuyler.jones@dm.duke.edu
13	Patient Radiation Exposure During Lower Extremity Endovascular Intervention	herbert.aronow@lifespan.org
34	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	In-Hospital Management and Outcomes of Patients Presenting with Critical Limb Ischemia	angela.sandelin@duke.edu
15	Impact of Annual Operator Volumes on Outcomes after Lower Extremity Endovascular Revascularization: Insights from the NCDR-PVI Registry	mqamar@partners.org

STS/ACC TVT REGISTRY

RPA ID	Title	Lead Author Email
101	Transcatheter AVR for the Treatment of High Risk Patients with Bicuspid Aortic Valve Disease. A Report of the STS/ACC TVT Registry	j.matthew.brennan@duke.edu; sharif.halim@gmail.com
127	A Characterization of the Incidence and Predictors of Paravalvular Regurgitation (PVL) and its Impact on Outcomes: A Study of the STS/ACC Transcatheter Valve Therapy (TVT) Database	sanwaruddin@gmail.com
133	The Effect of TAVR on the Need for Repeat Hospitalization	holmes.david@mayo.edu
161	Relationship of Body Mass Index (BMI) with Outcomes After Transcatheter Aortic Valve replacement (TAVR)	abhishek.sharma@downstate.edu
191	Stroke and Transient Ischemic Attack Among Patients with Extracranial Carotid Artery Disease Undergoing Transcatheter Aortic Valve Replacement	schuyler.jones@dm.duke.edu
200	Transcatheter Aortic Valve Replacement Using a Self-Expanding Bioprosthesis: First Report From the STS/ACC Transcatheter Valve Therapy Registry	jpopma@bidmc.harvard.edu

RPA ID	Title	Lead Author Email
114	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
186	Effects of Fragmentation of Post-Procedural Care on Outcomes after TAVR	aw100@duke.edu
249	Outcomes after Transcatheter Mitral Valve Repair in Patients with Chronic Kidney Disease	binita.shah@nyumc.org
36	Acute Kidney Injury in Transcatheter Aortic Valve Replacement: Can We Reduce the Risk?	CHB8D@hscmail.mcc.virginia.edu
57	The Outcomes of Transcatheter Aortic Valve Replacement in Patients with End-Stage Renal Disease	mszerlip@gmail.com
98	Outcomes of patients with elevated pulmonary artery pressure undergoing TAVR	hmartinjulien@gmail.com
110	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

RPA ID	Title	Lead Author Email
117	The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry®	matthew.sherwood@duke.edu
156	Incidence and Outcomes of Patients Requiring Surgical Bail-Out during Transcatheter Aortic Valve Replacement from the NCDR® STS/ACC TVT Registry	andres.pineda@msmc.com
197	Length of Stay Post Trans-femoral Trans-catheter Aortic Valve Implantation – Analysis from the TVT registry	wayangs@ccf.org
215	The prevalence of atrial fibrillation and its effect on outcomes in patients undergoing transcatheter mitral valve repair	sameerarora.cj@gmail.com
224	Renin-Angiotensin System Blockade Therapy in Patients Undergoing Transcatheter Aortic Valve Replacement: Analysis from the STS/ACC TVT Registry	taku.inohara@gmail.com
236	Analysis of transcatheter aortic valve replacement in those with or without a previous mitral valve prosthesis.	vthoura@emory.edu
240	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

RPA ID	Title	Lead Author Email
244	Effect of smoking on clinical and health status outcomes after transcatheter aortic valve replacement (TAVR)	mqintar@saint-lukes.org
256	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
260	Failure to Rescue in Transcatheter Aortic Valve Replacement	muath.bishawi@duke.edu
267	The Effect of Age and Frailty on Survival in Patients Undergoing TAVR	skiani@emory.edu
268	Development of a risk model for stroke after TAVR	vthoura@emory.edu
361	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
194	Incidence and Risk Factors of Aborted Procedures and Emergent Conversion to Surgery During Elective TAVR	aw100@duke.edu

RPA ID	Title	Lead Author Email
285	Change in Mitral Valve Gradient Following Mitraclip Repair and Correlation to 30-day and 1 year outcomes	lowie.assche@northwestern.edu
301	Effect of left ventricular hypertrophy on outcomes in patients undergoing transcatheter aortic valve replacement: Insights from the STS/ACC TVT registry	avarshney1@bwh.harvard.edu
296	Effects of pulmonary arterial hypertension on mitral clip outcomes	ral-bawardy@mgh.harvard.edu
28	In-Hospital and Long-Term Costs Associated with Peri-Procedural Complications in Patients Treated with Transcatheter Aortic Valve Replacement: Results from the TVT Registry	dcohen@saint-lukes.org
113	Reported Health Status Before and After TAVR	sva1024@yahoo.com
170	AATS Guideline: TAVI in the hybrid operating room, hybrid catheterization suite, or catheterization laboratory; is there a difference?	greason.kevin@mayo.edu
180	Incidence of new dialysis post-TAVR based on pre-procedural CKD stage; Reviewers	james.w.hansen@lahey.org

RPA ID	Title	Lead Author Email
209	Practice patterns and clinical outcomes when cardiac arrest or cardiogenic shock precedes Transcatheter Aortic Valve replacement	Luke.I.Masha@uth.tmc.edu
241	Estimating the risk of mortality in aortic valve disease treatment: assessment for bias in non-randomized treatment comparisons	roland.matsouaka@duke.edu
258	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
263	Incidence and Risk Factors for Early Stroke after Transcatheter Aortic Valve Replacement: Insights from the STS-ACC TVT Registry	hudedc@ccf.org
270	Development of a 30 day mortality risk model for pts w/TAVR	suz.v.arnold@gmail.com
291	Racial Disparities in Structural Heart Disease in the TVT Registry	holmes.david@mayo.edu
332	Predicting Thirty-day Readmissions after Transcatheter Aortic Valve Replacement	carlos.sanchez@ohiohealth.com

RPA ID	Title	Lead Author Email
253	Outcomes of trans-catheter aortic valve replacement (TAVR) in patients with mixed aortic valve disease	bhardwajb@health.missouri.edu
353	Sex-Based Differences in Outcomes Afer Transcatheter Repair of Mitral Regurgitation with the MitraClip System	pedrovillablanca@hotmail.com
357	The Association Between Driving Distance and Outcomes after TAVR	morgan.cox@duke.edu
371	Learning curve for transcatheter mitral repair: Insights from the STS/ACC TVT Registry	achhatriwalla@saint-lukes.org
374	Understanding Out of Hospital 30 Day Mortality after TAVR: An Analysis of the STS/TVT Registry	sanwaruddin@gmail.com
399	Impact of Short-Term Complications of TAVR on Outcomes. Results from the STS/ACC Transcatheter Valve Therapy Registry.	dcohen@saint-lukes.org
350	The Effect of Obesity on Outcomes in Patients Undergoing MitraClip- Insights from the TVT-NCDR registry	Javier.valle@ucdenver.edu

RPA ID	Title	Lead Author Email
438	STS/ACC TVT Registry 2018 Update from Three Modules	john.carroll@ucdenver.edu
439	The TAVR Volume Outcome Relationship: A report from the STS/ACC TVT Registry	sreekanth.vemulapalli@duke.edu

DIABETES COLLABORATIVE REGISTRY

RPA ID	Title	Lead Author Email
NA	Assessing the Use of Patient-Focused Pharmacotherapy in Glycemic Management Through the Diabetes Collaborative Registry (DCR)	suz.v.arnold@gmail.com
NA	Management of patients with diabetes and heart failure with reduced ejection fraction: an international comparison	suz.v.arnold@gmail.com
4	Composite Cardiovascular Risk Factor Target Achievement in Diabetes Patients	ndwong@uci.edu
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
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
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
9	Understanding the Contemporary Use of Thiazolidinediones in the US. An analysis of the Diabetes Collaborative Registry	suz.v.arnold@gmail.com

RPA ID	Title	Lead Author Email
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	
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)	eric.wittbrodt@astrazeneca.com