

In Process, Unpublished NCDR Manuscripts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 |
|---------------|--------------------|--|------------------------------|
| 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 | sauravchatterjeemd@gmail.com |
| 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 |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|--------------------|---|--------------------------------|
| 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 |
| 597 | Charles Chambers | Ionizing Radiation Exposure of the Population of the United States | cchambers@psu.edu |
| 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 | Alexander Fanaroff | Atrial Fibrillation and Coronary Heart Disease: A Long-Term Perspective on the Need for Triple Antithrombotic Therapy | alexander.fanaroff@dm.duke.edu |
| 577 | Ali Malik | Association between hospital reimbursement models and rates of normal elective coronary angiograms. | aomalik@saint-lukes.org |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|------------------|---|---------------------------|
| 574 | Robert Yeh | The Extending Trial-Based Evaluations of Medical Therapies Using Novel Sources of Data (EXTEND) Study | ryeh@bidmc.harvard.edu |
| 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 |
| 568 | Karthik Murugiah | ICH.1 Machine learning techniques to enhance the prediction of acute kidney injury after percutaneous coronary intervention | karthik.murugiah@yale.edu |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|----------------------|---|------------------------------|
| 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 |
| 550 | Abdulla Damluji | Consequences of Frailty in Older Adults Treated with Percutaneous Coronary Interventions After Acute Myocardial Infarction | adamluji@gmail.com |
| 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 |
| 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 |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|----------------|--|-------------------------------|
| 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 |
| 489 | William Cooper | Association Between Unsolicited Patient Complaints and Adverse Outcomes Related to Percutaneous Coronary Intervention | william.cooper@vanderbilt.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 |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|---------------|--|-----------------------------|
| 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 |
| 440 | K. Faridi | Ad hoc Percutaneous Coronary Intervention in Patients with Stable Coronary Artery Disease | kfaridi@bidmc.harvard.edu |
| 426 | A. Lowenstern | Current Landscape of Hybrid Revascularizations: A Report from the National Cardiovascular Data Registry | angela.sandelin@dm.duke.edu |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|-------------|--|----------------------------|
| 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 |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|---|---|---|
| 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 |
| 305 | A. Fanaroff | (305B) Temporal trends and regional patterns of operator percutaneous coronary intervention volume in the United States. | alexander.fanaroff@dm.duke.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 |

| RPA ID | Lead Author | Title | Lead Author Email |
|--------|---------------|--|-------------------------|
| 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 |
| 276 | Rachel Dreyer | The Prevalence, Determinants and Outcomes of Myocardial Infarction with Non-Obstructive Coronary Arteries (MINOCA) | rachel.dreyer@yale.edu |
| 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 |

| RPA ID | Lead Author | Title | Lead Author Email |
|---------------|--------------------|--|--------------------------|
| 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 |
|-----------------|--------------------|---|------------------------------------|
| 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 |
| 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 |
| 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 | ajar.kochar@duke.edu |
| 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 |

| RPA ID # | Lead Author | Title | Email |
|-----------------|--------------------|---|--|
| 300 | Leila Haghighat | A Patient- and Hospital-Level Analysis from the NCDR ACTION Registry-GWTG | leila.haghighat@yale.edu |
| 297 | Faridi | Use of Novel P2Y12 Inhibitors in ST-Elevation Myocardial Infarction in the United States | kfaridi@bidmc.harvard.edu |
| 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 |
| 286 | Harmony Reynolds | Circadian and seasonal patterns of MI by sex and CAD status in ACTION | harmony.reynolds@nyumc.org |
| 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 |
| 277 | Sarah Goldstein | Implantable Cardioverter-Defibrillator Utilization Among Older Patients with Low Ejection Fraction Following Coronary Artery Bypass Grafting | sarah.goldstein@duke.edu |
| 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 |
| 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 |
| 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@dm.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 |
| 243 | N. Albert | Changes in Performance Measures Over Time after Implementation of the Patient Navigator program | albertn@ccf.org |
| 237 | Thomas | Comparative Methods proposal | laine.thomas@duke.edu |

| RPA ID # | Lead Author | Title | Email |
|----------|---|---|---|
| 236 | J. Rymer | Readmission Patterns and Outcomes of Acute Myocardial Infarction Patients Readmitted to a Different Hospital | jennifer.rymer@duke.edu |
| 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 |
| 219 | A. Bagai | Cognitive Impairment and Outcomes in Older Patients with Acute Myocardial Infarction: A Report from the National Cardiovascular Data Registry. | BagaiA@smh.ca |
| 216 | D. Feldman | 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 |
| 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 |
| 158 | N. Desai | Hospital Performance on the NCDR ACTION Registry-GWTG “All-or-None Composite Measure | nihar.desai@yale.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 |

DIABETES COLLABORATIVE REGISTRY

| RPA ID | Title | Lead Author Email |
|--------|--|--|
| 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 |
| 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; Assesment 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) | 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 |
| 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 |
|--------|---|--|
| 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 |
| 34 | Under-recognition of heart failure in ambulatory patients with diabetes | suz.v.arnold@gmail.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 |
| 127 | Can machine learning complement traditional medical device surveillance? A case study of dual-chamber implantable cardioverter-defibrillators | harlan.krumholz@yale.edu |
| 136 | Quadripolar vs. Bipolar Left Ventricular Leads in Cardiac Resynchronization Therapy: An Analysis from the National Cardiovascular Data Registry | ehakemi@cookcountyhhs.org |

| RPA ID | Title | Lead Author Email |
|--------|--|-----------------------------------|
| 137 | Outcomes among CRT Patients with Nonspecific Conduction Delay Compared to RBBB | hkawata@uci.edu |
| 162 | Survival after ICD Implantation in Patients With Advanced Heart Failure | marat.fudim@duke.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 |
| TBD | Assessing Outcomes and Costs of Remote Patient Monitoring Among Patients with Implanted Cardiac Defibrillators: An Economic Model Based on the PREDICT RM Database | joeakar@gmail.com |
| 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 |
| 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 |

| RPA ID | Title | Lead Author Email |
|--------|--|------------------------------------|
| 132 | Off-Label CRT-D Implantation in the United States from 2012-2015 | AMNEET.SANDHU@UCDENVER.ED U |
| 134 | Clinical and Mechanical Complications after Primary Implantable Cardioverter Defibrillator in Elderly Heart Failure Patients | natash.cy@gmail.com |
| 161 | Predictors of RV Pacing and Pacing-Induced Adverse Outcomes | joeakar@gmail.com |
| 167 | Survival Following ICD Implantation in Patients with Amyloid and Sarcoid Cardiomyopathy Compared with Other Nonischemic Cardiomyopathies | aramarnath@yahoo.co.in |
| 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 |
| 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 |

| RPA ID | Title | Lead Author Email |
|--------------|--|---------------------------------------|
| 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 |
| 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 |
| TB submitted | Prediction model | soko.setoguchi@duke.edu |
| TB submitted | Trial vs. registry CAS patients | Jessica.Jalbert@la-ser.com |
| 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 |

| RPA ID | Title | Lead Author Email |
|--------|---|--------------------------------|
| 168 | Sex Differences in Patient Characteristics, Indications, and In-Hospital Adverse Events of the S-ICD | sanket.dhruva@yale.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 | cmadiaz@tuftsmedicalcenter.org |
| 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 |
| 225 | | |
| 178 | Outcomes in patients with diabetes receiving a subcutaneous implantable cardioverter defibrillator. | |

IMPACT REGISTRY

| RPA ID | Lead Author | Title | Author Email |
|--------|----------------------|---|--|
| 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 |
| 49 | Kevin Hill | 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 |
| 44 | Michael O'Byrne | Sedation and Anesthesia Strategies and Outcomes in Pediatric/Congenital Cardiac Catheterization | obyrnem@email.chop.edu |
| 43 | Lisa Bergersen | Validating the IMPACT Registry Risk-Standardization Model in IMPACT version 2 | Lisa.Bergersen@CARDIO.CHBOSTON.ORG |
| 35 | A. Stefanescu | Interventions for coarctation of the aorta in adults- a report from the IMPACT registry | ada.stefanescu@mgh.harvard.edu |

| RPA ID | Lead Author | Title | Author Email |
|--------|------------------------|--|--|
| 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 |
| 32 | Manish Bansal | Impact of a trainee in pediatric cardiac catheterization | manish-bansal@uiowa.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 |
| 26 | Andrew Glatz | Database-registry linkage of IMPACT® Registry to Pediatric Health Information System (PHIS) to measure the incidence of endocarditis following transcatheter pulmonary valve replacement | glatz@email.chop.edu |
| 16 | Michael O'Byrne | Evaluation of Failure to Rescue as Quality Metric in Pediatric Cardiac Catheterization: An Analysis of the IMPACT Registry | obyrnem@email.chop.edu |

LAAO REGISTRY

| RPA ID | Author Name | Title | Lead Author Email |
|--------|-------------|---|----------------------------------|
| 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 |
| 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 |

| RPA ID | Author Name | Title | Lead Author Email |
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| 19 | Daimee | Indications for Left Atrial Appendage Occlusion in the United States | usama.daimee@yale.edu |

PINNACLE REGISTRY

| RPA ID | Title | Lead Author Email |
|--------|--|--|
| 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 |
| 103 | Demographic, Socioeconomic And Practice-level Disparities In Smoking Cessation Assistance For Current Smokers In Cardiology Clinics | Mayank.Sardana@umassmemorial.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 |
| 169 | Influence of Neighborhood Income on Variations in Coronary Artery Disease Secondary Prevention Care Among Outpatient Cardiology Practices (Strategic RPA #1) | kjoyntmaddox@wustl.edu |
| 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 Jjanuzzi@Partners.org |
| 182 | A Heart Failure Analysis from the PINNACLE Registry | Contact for updates: april.trebnick@baiminstitute.org Jjanuzzi@Partners.org |
| 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 |
| 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 |

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| 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 |
| 210 | 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® | - |
| 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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PVI REGISTRY

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STS/ACC TVT REGISTRY

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| 253 | Bhardwaj | Outcomes of trans-catheter aortic valve replacement (TAVR) in patients with mixed aortic valve disease | bhardwajb@health.missouri.edu |

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| 28 | D. Cohen | 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 |
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| 241 | R. Matsouka | PCORI Grant - 6 manuscripts expected: 2 of 6 Estimating the risk of mortality in aortic valve disease treatment: assessment for bias in non-randomized treatment comparisons | roland.matsouaka@duke.edu |
| TBD | Brennan | PCORI Grant - 6 manuscripts expected: Compare outcomes with surgical vs. transcatheter AVR Create a decision tool for to evaluate expected outcomes in those patients Develop risk assessment tool for inoperable patients with aortic valve disease | j.matthew.brennan@duke.edu |
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| 442 | Wang | Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim2 | A.WANG@DUKE.EDU |
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| 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 |
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| 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 |
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| 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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