

Get With The Guidelines® Research Projects (In-Process)

Module	Primary	Project Title
AFib	25GWTGDRASu1502440	Neighborhood-Level Factors Influencing Oral Anticoagulation Use in Atrial Fibrillation: A Focus on Rural Trends
AFib	25GWTGDRASu1499353	Precision Equity in Atrial Fibrillation: Tackling Disparities in Rhythm Control and Quality of Care
AFib	25GWTGDRASp1454070	Implications of climate and the environment for atrial fibrillation related hospitalizations
AFib	25GWTGDRASp1454037	Disparities in Atrial Fibrillation Treatment and Outcomes in Reproductive-Age Individuals
AFib	25AF002	First Atrial Fibrillation Ablation in Patients Aged 75 Years and Older: Findings from GWTG-Afib Registry.
AFib	25AF001	Racial and Ethnic Differences in Geographic Access to Atrial Fibrillation Ablation in the United States: Get with the Guidelines-Atrial Fibrillation
AFib	24AF004	Risk Over A Risk Score – Re-Evaluating Anticoagulation Prescription Patterns In Patients Hospitalized with Atrial Fibrillation With Revised Guidelines: The Get with the Guidelines- Atrial Fibrillation (GTWG-AFIB) Program
AFib	24AF003	Effectiveness and safety of catheter ablation in atrial fibrillation patients with heart failure and preserved ejection fraction
AFib	24AF002	Association of Obesity with Rhythm Management and Clinical Outcomes in Newly Diagnosed Atrial Fibrillation
AFib	24AF001	Racial and Ethnic Differences in Catheter Ablation of Typical Atrial Flutter – Findings from the Get With The Guidelines® – Atrial Fibrillation Registry
AFib	23AF004	Atrial Fibrillation at First Sight: An Analysis of the Management of First Detection of Atrial Fibrillation and Opportunities for Care Improvement from the Get With the Guidelines-Atrial Fibrillation Registry
AFib	23AF002	Clinical and procedural characteristics of patients undergoing repeat catheter ablation for atrial fibrillation: A report from the GWTG-AFIB registry
AFib	22AF002	Racial/Ethnic Differences in Outcomes of Ablation Versus Antiarrhythmic Drug Therapy for Atrial Fibrillation
CAD/ML	25GWTGDRASp1454071	Short-term Air Pollutants and Acute Coronary Syndrome Onset in the United States
CAD/ML	25GWTGDRASp1454022	Statin use and LDL-C levels in patients with a history of CAD who are hospitalized for an acute coronary syndrome
CAD/ML	25CA001	Effect of the eGFR 2021 CKD EPI Creatinine Equation on Kidney Disease Classification and Subsequent Coronary Angiography on Myocardial Infarction Patients (Version 2)
CAD/ML	24CA009	Clinical Profile and Quality of Care Among American Indian and Alaska Native Patients with Coronary Artery Disease
CAD/ML	24CA008	Association Between Hospital Acquisition and Coronary Artery Disease Quality of Care
CAD/ML	24CA007	Long-Term Impact of Seasonal Temperature Variability on Myocardial Infarction
CAD/ML	24CA005	Optimal timing of pharmacoinvasive strategy and its impact on clinical outcomes in patients with STEMI: A real-world perspective.
Cardiogenic Shock	25CS010	Machine Learning-based Risk Stratification in Cardiogenic Shock

Cardiogenic Shock	25CS009	Timing from Cardiogenic Shock Onset to Intensive Care Unit Admission: Predictors of Variability and Association with End-Organ Injury, Therapies and Outcomes
Cardiogenic Shock	25CS006	Linkage of the Cardiogenic Shock Registry to comprehensive health claims of Medicare-insured patients.
Cardiogenic Shock	25CS005	Impact of Left Ventricular Unloading with Impella on Survival in CS Patients Supported with VA-ECMO: A retrospective Cohort Study
Cardiogenic Shock	25CS004	Invasive Hemodynamic Predictors of CS Outcomes
Cardiogenic Shock	25CS003	Outcomes Associated with Early Initiation of Respiratory Support in AMI Cardiogenic Shock and HF Cardiogenic Shock: Does Time-to-Intubation Influence Survival by Shock Etiology?
Cardiogenic Shock	25CS002	Hemodynamic Predictors of Mortality in Right Ventricular Cardiogenic Shock
Cardiogenic Shock	25CS001	Variation of Care and Timing of Cardiogenic Shock Teams
Cardiogenic Shock	24CS003	Defining the Epidemiology, Current Management Practices, and Prognosis for Normotensive Cardiogenic Shock
Cardiogenic Shock	24CS002	Sex-specific Outcomes and Complications in Patients with Cardiogenic Shock – An AHA Shock Registry Analysis
Cardiogenic Shock	23CS003	Association between insurance status and social living conditions with therapies and outcomes in cardiogenic shock
Cardiogenic Shock	23CS002	Performance of clinician-assigned SCAI shock staging in a large multicenter registry of patients with cardiogenic shock
Cardiogenic Shock	23CS001	Utility of the Pulse Pressure in the Prediction of Outcomes in Cardiogenic Shock
Heart Failure	25HF008	A Large Language Model -enabled Approach for Natural Language Querying Complex Clinical Data
Heart Failure	25HF007	Association Between Hospital Acquisition and Heart Failure Quality of Care
Heart Failure	25HF005	Association Between Price and Outcomes in HF Hospitalization
Heart Failure	25HF004	Cardiovascular-Kidney-Metabolic Overlap in Patients Hospitalized for Heart Failure Across the Ejection Fraction Spectrum: Findings from Get With The Guidelines – Heart Failure
Heart Failure	25HF003	Relationship Between Multiple Levels of Dissimilarity and Vulnerability with Receipt of Heart Failure Care
Heart Failure	25HF001	Use of Guideline-Directed Medical Therapy in Heart Failure with Mildly Reduced Ejection Fraction: A Comparative Analysis with Reduced and Preserved Ejection Fractions
Heart Failure	25GWTGDRASu1500804	Societal Determinants of Disparities in Guideline-Directed Medical Therapy for Heart Failure with Reduced EF
Heart Failure	25GWTGDRASp1454054	Clinical Determinants of Resilience to Heart Failure: A Network and Machine Learning Approach
Heart Failure	25GWTGDRASp1454023	Rural-urban differences of neighborhood-level social determinants of health factors with heart failure outcomes
Heart Failure	24HF010	Outpatient Clinic Visits Before and After Hospitalization for ATTR Cardiomyopathy
Heart Failure	24HF009	Utilization of ATTR-Specific and Heart Failure-Specific Therapies Before and After Hospitalization for ATTR Cardiomyopathy
Heart Failure	24HF005	Get with the Guidelines Hospital Participation and its Impact on GDMT and HF Outcomes using an Interrupted Time Series Analysis (prior: The Association Between Participation in the Get With the Guidelines Heart Failure Registry and Changes in Use of Guideline-Directed Medical Therapy)

Heart Failure	24HF003	Association of Sex, Race, Hospital Characteristics, and Social Determinants of Health with Guideline-Directed Medical Therapy Utilization in patients with heart failure with reduced ejection fraction
Heart Failure	24HF002	Sodium-glucose cotransporter 2 inhibitors effectiveness among patients hospitalized with heart failure with preserved ejection fraction
Heart Failure	24GWTGDRA1308878	Machine Learning to Evaluate and Target Improvements in Heart Failure Hospital Care Equity
Heart Failure	24GWTGDRA1308876	Social Determinants of Health and Risk Stratification in Heart Failure
Heart Failure	24GWTGDRA1308875	The Impact of the Exposome in Atrial Fibrillation with Heart Failure
Heart Failure	24GWTGDRA1308842	Social Vulnerability and Heart Failure Outcomes
Heart Failure	23HF004	Factors Associated with Guideline Directed Medical Therapy Adherence and Non Adherence among Heart Failure Patients with Reduced Ejection Fraction.
Heart Failure	23HF002	SGLT2i Effectiveness Among Patients Hospitalized for Heart Failure with Reduced Ejection Fraction
Heart Failure	22HF002	Characterizing low-natriuretic peptide heart failure phenotype in the GWTG-HF registry.
Heart Failure	21HF019	Trends in Equity and Quality of Care by Race and Ethnicity During the Coronavirus Pandemic (orig: Race/Ethnicity and Hospital Performance Related to Quality of Care: Findings from the GWTG-HF Program)
Heart Failure	20HF002B	Medical Therapy and Residual Risk Among Patients Hospitalized for Heart Failure with Reduced Ejection Fraction (prior title-Residual Risk Despite Optimization of Guideline Directed Medical Therapy for Patients with Heart Failure with Reduced Ejection Fraction (Paper 2)
Heart Failure	19HF013	Translating the Findings of the DELIVER Trial to Medicare Beneficiaries Hospitalized for HF in the US (OLD2: Translating DELIVER Trial Findings to Real World Clinical Practice)(OLD1: A Retrospective Observational Study of Burden of Illness among GWTG-HF patients with multiple readmissions (TRANSLATE-HF) - CMS Linked)
Resus- ADULT	25RE(A)005	Physiologic Measurements of Cardiac Arrest Patients in the Emergency Department
Resus- ADULT	25RE(A)007	Physiologic Measurements of In-Hospital Cardiac Arrest Patients
Resus- ADULT	25RE(A)006	Evaluation of Hospital Adoption of the Resuscitation Quality Improvement Program
Resus- ADULT	25RE(A)004	Trends in Extracorporeal Cardiopulmonary Resuscitation
Resus- ADULT	25RE(A)003	Association Between Post-Resuscitation Fever and Survival for In-Hospital Cardiac Arrest
Resus- ADULT	25RE(A)002	Validation of a Termination of Resuscitation Rule
Resus- ADULT	25RE(A)001	Quality Process Measures and IHCA Survival on Days vs. Nights: A Retrospective Observational Study
Resus- ADULT	25GWTGDRASu1503461	Impact of ACA Medicaid Expansion on In-Hospital Cardiac Arrest Outcomes
Resus- ADULT	24RE009	Association between Hospital Acquisition and Resuscitation Quality of Care
Resus- ADULT	24RE008	Evaluation of the Resuscitation Quality Improvement Program in GWTG-Resuscitation Hospitals
Resus- ADULT	24RE007	Intersectionality of Race/Ethnicity and Sex on Disparities in Patient Outcomes and Intra-Arrest Resuscitation Practices for In-Hospital Cardiac Arrest
Resus- ADULT	24RE002	Temporal Trends in Survival After In-Hospital Cardiac Arrest between Rural and Urban Hospitals between 2000-2020
Resus- ADULT	24RE001	End-Tidal CO2 Monitoring During In-Hospital Cardiac Arrest: A Comparison of Practices and Implications

Resus- ADULT	24GWTGDRA1308863	Survival after Cardiac Arrest Resuscitation: An Exploration of Outcome Variation and Social Determinants of Health
Resus- ADULT	24GWTGDRA1308852	Relationship of Income, Income Disparity, and Insurance to Outcomes Following In-Hospital Cardiac Arrest
Resus- ADULT	24GWTGDRA1308839	The Impact of Safety-net Hospital Status on In-hospital Cardiac Arrest Care and Outcomes in the United States
Resus- ADULT	23RE007	Relationship Between Duration of Resuscitation and Outcomes for In-Hospital Cardiac Arrest
Resus- ADULT	23RE006	Intubation during in-hospital cardiac arrest - An instrumental variable analysis
Resus- ADULT	23RE001	Determination of Optimal Cardiopulmonary Resuscitation Quality Targets During In-hospital Resuscitation Attempts
Resus- PEDS	25RE(P)003	Adult vs. Peds IHCA
Resus- PEDS	25RE(P)002	Time to ROSC
Resus- PEDS	25RE(P)001	Pediatric Cardiopulmonary Arrest in the Operating Room - A Report from the American Heart Association Get With The Guidelines-Resuscitation Registry
Resus- PEDS	24RE003	Deciphering Non-shockable Rhythms: PEA and Asystole in Pediatric In-Hospital Cardiac Arrest
Resus- PEDS	24RE(P)005	Temporal Trends and Hospital Variation in Post-Resuscitation Fever for In-Hospital Cardiac Arrest
Resus- PEDS	24RE(P)004	Duration of cardiopulmonary resuscitation and outcomes for pediatric patients with in-hospital cardiac arrest
Resus- PEDS	23RE009	Assessing The Pediatric Advanced Life Support Guidelines And Survival Outcomes
Resus- PEDS	22RE009	Acute Respiratory Compromise in the Neonatal Intensive Care Unit: A Report from the American Heart Association's Get with The Guidelines-Resuscitation Registry
Resus- PEDS	22RE008	Delivery Room Acute Respiratory Compromise: A Report from the American Heart Association's Get with The Guidelines-Resuscitation Registry
Resus- PEDS	22RE005	Development and internal validation of risk scores to predict survival in the pediatric population following in-hospital cardiac arrest
Resus- PEDS	293	Variation in evidence based care for pediatric IHCA is not associated with survival to discharge
Resus- PEDS	295	Impact of Patient Characteristics, Resuscitation Strategies, and Peri-Arrest Care on Outcomes Following Cardiac Arrest in the Pediatric Cardiac ICU: Combining Cardiac Arrest and Cardiac Critical Care Quality Databases to Uncover Novel Risks and Outcomes for Children with Cardiac Disease
Stroke	25ST007	Impact of time on utilization of thrombectomy and outcome in patients presenting with acute ischemic stroke with large vessel occlusion
Stroke	25ST006	Wildfire smoke exposure and ischemic stroke hospitalizations in California: A time-stratified, case-crossover study
Stroke	25ST005	The associations of time to treatment with Tenecteplase and outcomes after acute ischemic stroke
Stroke	25ST004	An Atlas of Intraparenchymal and Subarachnoid Hemorrhage Care in the United States
Stroke	25ST003	Trends and Outcomes of Distal Medium Vessel Occlusions treated with Endovascular Thrombectomy in the United States
Stroke	25ST002	Association Between Hospital Acquisition and Stroke Quality of Care

Stroke	25ST001	Understanding the Patient Journey in Non-Cardioembolic Ischemic Stroke and Transient Ischemic Attack in the United States A Nationwide, Population-Based Cohort Study
Stroke	25GWTGDRASu1485769	Understanding the collection and significance of EMS data in Get With The Guidelines - Stroke
Stroke	25GWTGDRASu1485764	The Quality of Care for Ischemic Stroke in Safety-Net Hospitals vs Non-Safety-Net Hospitals
Stroke	25GWTGDRASu1485763	Association Between Climate Risks and Stroke Severity and Outcomes
Stroke	25GWTGDRASp1454019	Structural Racism-Related State Laws and Racial Disparities in Activation of Emergency Medical Services in Patients with Acute Strokes: Get With The Guideline-Stroke Registry, 2015-2023
Stroke	24ST026	Early Blood Pressure Treatment, Control, and Intracerebral Hemorrhage Outcomes in the United States
Stroke	24ST024	Disparities in Rehabilitation Referrals and Disposition for Ischemic Stroke Survivors by Race, Ethnicity, and Social Determinants of Health
Stroke	24ST023	In-Hospital Stroke: First Update on National Trends, Risk Factors and Outcomes after the advent of Mechanical Thrombectomy
Stroke	24ST022	Pace and Geospatial Adoption of Mobile Stroke Units in the United States: The Get With The Guidelines-Stroke Program
Stroke	24ST021	Impact of Guideline Recommendations for GLP-1 Receptor Agonists or SGLT2 Inhibitors in Type II Diabetics with Ischemic Stroke or TIA and Association of Pre-Stroke GLP-1 or SGLT2 Use with Post-Stroke Functional Outcome
Stroke	24ST020	Exploring Factors influencing stroke patients care and outcome in Tennessee: Analysis of Get with the Guideline-Stroke Measures Data (2018-2023)
Stroke	24ST019	Post-stroke Cognitive Impairment and Dementia
Stroke	24ST018	Less Admission to Inpatient Rehabilitation and More to Skilled Nursing Facilities after Ischemic Stroke for Enrollees in Medicare Advantage than Medicare Fee for Service Payor
Stroke	24ST016	Improving Prognostic Accuracy in Intracerebral hemorrhage
Stroke	24ST015	Quality of Emergency Care for Hemorrhagic Versus Ischemic Stroke
Stroke	24ST012	Does distance to nearest thrombectomy-capable stroke center change outcomes? Generating real-world evidence to guide stroke transport policy.
Stroke	24ST010	Characteristics and Geographic Variation of Telestroke Care within the Get with the Guidelines Stroke-Registry
Stroke	24ST009	Racial Disparities In Anticoagulation Utilization for Atrial Fibrillation in Ischemic Stroke (RADIUS)
Stroke	25ST008	Antithrombotic Therapy for Patients with Cryptogenic Stroke
Stroke	23ST013	Circadian Variation in Onset, Severity, and Outcome of Acute Ischemic Stroke
Stroke	23ST004	Balancing Risks and Benefits of Direct Oral Anticoagulants in Older Ischemic Stroke Patients with Atrial Fibrillation
Stroke	23ST014	Prehospital Stroke Process Times and Impact on Total Prehospital Time in the Get With The Guidelines Stroke-Registry
Stroke	22ST005	Geo-spatial Modeling for Stroke Care in United States (GMSC)
Stroke	24ST028	Antiplatelet Therapy and Outcomes after Intracerebral Hemorrhage in the Get With the Guidelines- Stroke
Stroke	21ST014	Sex differences in temporal trends of ischemic stroke hospitalizations among adults aged 18-64 years: findings from Get With The Guidelines-Stroke, 2003-2020

Stroke	21ST010B	Process outcomes in tenecteplase to alteplase in patients with acute ischemic stroke (old title: Differences In Door-To-Needle And Door-In-Door-Out Times For Tenecteplase Vs Alteplase In Acute Ischemic Stroke: Findings From Get With The Guidelines-Stroke (orig title: Comparison of process and clinical outcomes in Tenecteplase to Alteplase in Patients with Acute Ischemic Stroke (AIM 3)
Stroke	21ST003	Patient Characteristics, Quality of Care, and In-hospital Outcomes for Acute Ischemic Stroke — An International Comparison of China, Japan, South Korea, and the United States Stroke Registries
Stroke	23ST020	Developing a Risk Score for the Likelihood of Intracranial Hemorrhage after Endovascular Reperfusion Therapy for Acute Ischemic Stroke