



SIMPLE SOLUTIONS.  
**BIG IMPACT.**



QUALITY  
IMPROVEMENT  
FOR INSTITUTIONS

AMERICAN COLLEGE of CARDIOLOGY®

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# QUALITY IMPROVEMENT FOR INSTITUTIONS

## SIMPLE SOLUTIONS. BIG IMPACT.

Quality Improvement for Institutions (QII) combines American College of Cardiology's (ACC) comprehensive suite of NCDR registries and Accreditation Services to provide hospitals, facilities and health systems with insights, analyses and solutions to transform cardiovascular care and improve heart health. [CVQuality.ACC.org](https://www.cvquality.acc.org).



### NCDR®

Trusted suite of cardiovascular registries providing data-driven insights and analyses to inform clinical decision-making and optimize patient care and outcomes.



### ACC ACCREDITATION SERVICES

Proven programs aimed at connecting quality and cost with outcomes and patient satisfaction to create cardiovascular communities of excellence.



### QUALITY SOLUTIONS

Evidence-based, easy-to-use assessment, monitoring and evaluation tools and resources to ensure the highest quality patient care.

## QII PARTICIPATION BENEFITS

- Data-driven insights and solutions
- Benchmark reporting and physician-level registry dashboards
- Opportunities to participate in NCDR research and cutting-edge pilot programs
- Ready-to-go projects designed to fit your organization's needs
- On-demand educational resources for clinicians and physicians



# QUALITY IMPROVEMENT FOR INSTITUTIONS



## ARRHYTHMIA INTERVENTION

**Accreditation:** Electrophysiology (EP) Accreditation

**NCDR:** EP Device Implant Registry  
AFib Ablation Registry  
LAAO Registry

**QII Learning Center:**

- NCDR Continuing Education (CE) Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations

**Mobile Apps:**

- Guideline Clinical App
- CardioSmart Heart Explorer App
- Professional Data Portfolio App
- TreatHF App
- ICD/CRT Appropriate Use Criteria App
- AnticoagEvaluator App
- ManageAnticoag App

**Other:**

- HeartCARE Center



## ATRIAL FIBRILLATION

**Accreditation:** Electrophysiology (EP) Accreditation

**NCDR:** AFib Ablation Registry  
LAAO Registry

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations

**Clinical Toolkits:**

- Preventing Preventable Strokes Toolkit
- QI Tools for Outpatient Practices

**Mobile Apps:**

- Guideline Clinical App
- ASCVD Risk Estimator Plus
- Multilingual ASCVD Risk Estimator
- AnticoagEvaluator App
- ManageAnticoag App
- Professional Data Portfolio App



## CHEST PAIN

**Accreditation:** Chest Pain Center Accreditation  
Chest Pain Center Certification  
Partners in Care for EMS

**NCDR:** Chest Pain - MI Registry

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations

**Clinical Toolkits:**

- D2B Strategic Tools
- H2H Toolkit
- Patient Navigator Toolkit
- Post PCI Bleeding Risk Toolkit
- Surviving MI Toolkit

**Other:**

- Chest Pain - MI Registry Performance Achievement Award
- HeartCARE Center

**Mobile Apps:**

- Guideline Clinical App
- Statin Intolerance App
- Lipid Manager App
- CardioSmart Heart Explorer App
- Professional Data Portfolio App



## CONGENITAL HEART DISEASE

**NCDR:** IMPACT Registry  
ACPC Quality Network

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations

**Mobile Apps:**

- Guideline Clinical App



## CORONARY ARTERY INTERVENTION

**Accreditation:** Cardiac Cath Lab Accreditation

**NCDR:** CathPCI Registry

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations

**Clinical Toolkits:**

- CathPCI Medication Abstraction Reference Guide
- Data Quality Checklist
- Post PCI Bleeding Risk Toolkit

**Mobile Apps:**

- CathPCI Bleeding Risk Calculator App
- Guideline Clinical App
- Statin Intolerance App
- Lipid Manager App
- CardioSmart Heart Explorer App
- Professional Data Portfolio App

**Other:**

- HeartCARE Center



## HEART FAILURE

**Accreditation:** Heart Failure (HF) Accreditation Partners in Care for practices and outpatient clinics

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations
- Accreditation Option

**Clinical Toolkits:**

- Valvular Heart Disease Initiatives Toolkit

**Mobile Apps:**

- Guideline Clinical App
- ASCVD Risk Estimator Plus
- CardioSmart Heart Explorer App
- Multilingual ASCVD Risk Estimator
- TreatHF App

**Other:**

- HeartCARE Center



## GENERAL

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations
- Accreditation Option

**Clinical Toolkits:**

- Advance Care Planning Toolkit
- QI Toolkit
- QI Communication Kits
- Shared Decision-Making

**Other:**

- Consumer-friendly profile on Find Your Heart a Home, with option for public reporting
- HeartCARE Center
- Marketing Toolkits to help promote programs

**Mobile Apps:**

- Guideline Clinical App
- Professional Data Portfolio App



## TRANSCATHETER VALVE INTERVENTION

**Accreditation:** Transcatheter Valve Certification

**NCDR:** STS/ACC TVT Registry

**QII Learning Center:**

- NCDR CE Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations
- Accreditation Option

**Mobile Apps:**

- Guideline Clinical App
- CardioSmart Heart Explorer App
- ManageMR App

**Other:**

- HeartCARE Center

# NCDR

For more than 25 years, ACC's suite of NCDR registries have been helping hospitals, health systems, centers and practices by providing data-driven insights, analysis and research to inform clinical and operational decisions, allowing the cardiovascular care team to perform at the highest level and to deliver optimal care to every patient, every time.

The ACC offers registries supporting the following areas of cardiovascular care:

## **ACUTE MYOCARDIAL INFARCTION TREATMENT**

**Chest Pain - MI Registry™** is a risk-adjusted, outcomes-based quality improvement program for all patients with chest pain. The registry includes STEMI and NSTEMI patients with the option to also capture unstable angina and low-risk chest pain patients. It assists hospitals and health systems in applying ACC/American Heart Association (AHA) clinical guideline recommendations.

## **ATRIAL FIBRILLATION PROCEDURES**

**AFib Ablation Registry™** assesses the prevalence, demographics, acute management and outcomes of patients undergoing atrial fibrillation (AFib) catheter ablation procedures. Its data support the development of evidence-based guidelines for AFib treatments that will improve patient outcomes.

**LAO Registry™** captures data on left atrial appendage occlusion (LAO) procedures to assess real-world procedural outcomes, short- and long-term safety, comparative effectiveness, and cost effectiveness. LAO provides a treatment option to manage stroke risk for non-valvular AFib patients who are unable to maintain adequate anticoagulation through medication therapy. The LAO Registry is approved by Centers for Medicare and Medicaid Services (CMS) to meet the registry requirements outlined in the national coverage determination for percutaneous left atrial appendage closure.

## **DIAGNOSTIC CARDIAC CATHETERIZATION AND PCI**

**CathPCI Registry®** assesses the characteristics, treatments and outcomes of cardiovascular disease patients who receive diagnostic catheterization and/or PCI procedures. It delivers benchmarking data that helps cath labs reduce door-to-balloon times, limit procedural complications, monitor appropriateness of PCI and more.



### **IMPLANTABLE CARDIOVERTER DEFIBRILLATOR AND PACEMAKER PROCEDURES**

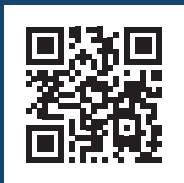
**EP Device Implant Registry™** establishes a national standard for understanding patient characteristics, treatments, outcomes, device safety and the overall quality of care for ICD/CRT-D and select novel pacemaker procedures, while also delivering benchmarking data. Participating facilities can submit data for pacemaker procedures or submit data for ICD/CRT-D procedures or submit data for both. The registry plays an important role in providing data-driven knowledge for optimizing patient care.

### **PEDIATRIC AND ADULT CONGENITAL TREATMENT PROCEDURES**

**IMPACT Registry®** assesses the prevalence, demographics, management and outcomes of pediatric and adult congenital heart disease (CHD) patients who undergo diagnostic catheterizations and catheter-based interventions. Its data support the development of evidence-based guidelines for CHD treatment that will improve outcomes for patients of all ages.

### **TRANSCATHETER VALVE THERAPY PROCEDURES**

**STS/ACC TVT Registry™** monitors patient safety and real-world outcomes related to transcatheter valve replacement and repair procedures – emerging treatments for valve disease patients. Created through a collaboration between The Society of Thoracic Surgeons (STS) and the ACC, the registry provides evidence-based, clinical outcomes data on transcatheter valvular therapies for high-risk and low-risk patient populations.



Get started at [CVQuality.ACC.org/NCDR](https://www.CVQuality.ACC.org/NCDR)



# PARTNER REGISTRIES

The ACC partners with other societies and companies on several of its registries.



The ACC and **Veradigm** partnered to advance the next generation of real-world research on behalf of cardiovascular disease and diabetes patients around the world.

The ACC and **Society for Vascular Surgery** are a united vascular registry – creating a single resource focused on improving care and outcomes of patients with vascular disease.

# GLOBAL PARTICIPATION



The ACC’s Global Quality Solutions (GQS) program, in partnership with ARMUS, allows hospitals and health systems to leverage the ACC’s vast quality improvement (QI) resources and provides localized guidance informed by established clinical guidelines.

GQS unifies global CV quality improvement programs through the delivery of a data collection platform that offers benchmarking on local, regional and global levels of scale.

Some key features of GQS include:

- Accurate and actionable outcomes reports and real-time dashboards
- Streamlined data collection through adaptable interfaces
- Attention to data privacy and migration regulations for every quality program that is deployed





# DATA POWERING RESEARCH



## NCDR RESEARCH

As the largest cardiovascular repository, NCDR's robust datasets hold answers to complex questions tied to:

- Patient risk factors and outcomes
- Procedure and treatment trends
- Guideline adherence
- Device, facility and provider characteristics

All proposals are scored by the designated Research and Publications Committee members and receive the same consideration. In addition, research proposals that have their own external-funding are accepted and reviewed on a rolling basis.



## REAL-WORLD EVIDENCE

**Real-World Evidence** is custom analysis of NCDR data, done in-house by the ACC, that offers a unique opportunity for a broad cross-section of stakeholders to obtain tailored analysis of clinical data from real-world populations to more deeply understand issues such as:

- Adoption and use of medical devices and treatments
- Quality of care
- Geographic variations in care
- Adherence to clinical guidelines
- Trends and market conditions

# NCDR REPORTING SOLUTIONS



**NCDR eReports**, the ACC's online business intelligence reporting solution, provides a multihospital view into the quality of cardiovascular care being provided within a specific health system, state or region. Users are able to measure, monitor and continually assess the quality of cardiovascular care.

There are NCDR eReports Products for:

- Health systems
- EMS agencies
- Health care consultants and other health care corporate client groups
- State and county health agencies and regional quality improvement coalitions



# ACC ACCREDITATION SERVICES

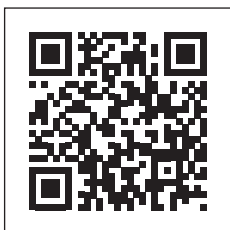
For 25 years, ACC Accreditation Services has been helping hospitals and health systems improve CV care processes and patient outcomes to achieve the highest standard of cardiac care. All of the essential components of true process improvement are embedded in ACC's accreditation programs.

During the accreditation journey, cardiovascular team members, in collaboration with ACC staff, identify existing gaps in treatment, implement strategies that improve and streamline clinical care processes and work to accelerate the pace at which the facility taps into proven, evidence-based protocols.



ACC Accreditation Services are designed to transform cardiovascular patient care and help multidisciplinary teams:

- Minimize variations of care
- Lower mortality
- Decrease readmissions
- Maximize reimbursements
- Reduce length-of-stay



Get started at [CVQuality.ACC.org/Accreditation](https://CVQuality.ACC.org/Accreditation)

**CV Care Delivery Optimization Program** powered by MedAxiom, an ACC company and the cardiovascular community's premier source for organizational performance solutions, is designed to help programs achieve cardiovascular service line excellence by addressing gaps and identifying opportunities. As part of the program, hospitals and health systems can take part in a MedAxiom survey that helps identify their organizational and process gaps, and assess respective readiness for participation in ACC Accreditation Services.



Scan QR code to access the survey

## ACC ACCREDITATION SERVICES OFFERS ACCREDITATIONS FOR THE FOLLOWING CARDIOVASCULAR SERVICE LINES:

### CHEST PAIN

**Chest Pain Center Accreditation** is a quality improvement program created for cardiovascular teams focused on efficient and effective emergency care of acute coronary syndrome (ACS) patients in the hospital setting. This accreditation pairs with the Chest Pain - MI Registry for data reporting of all patient populations including STEMI and NSTEMI. Both PCI-capable and non-PCI facilities may earn Chest Pain Center Accreditation.

**Chest Pain Center Certification** supports Critical Access Hospitals and FreeStanding ED employ scientifically sound quality initiatives and best practices designed to demonstrate a commitment to your patients, your community, and your talented team of clinicians, administrators, and policymakers.

### CORONARY ARTERY

**Cardiac Cath Lab Accreditation** helps facilities implement all the pre-, peri- and post-procedures that are essential for safe care and efficient scheduling of patients through the cath lab. Used in concert with the CathPCI Registry, this tool monitors important outcome and performance measures. An external peer review and Independent Angiographic Review for a confidential and objective audit of cath lab procedures and related metrics is also available.

### TRANSCATHETER VALVE

**Transcatheter Valve Certification** is an external review and certification process designed to help hospitals meet standards for multidisciplinary teams, formalized and shared decision-making in performance of transcatheter valve replacement and repair procedures. This certification pairs with the STS/ACC TVT Registry.

### ARRHYTHMIA

**Electrophysiology (EP) Accreditation** is offered to both adult and pediatric EP labs. Used in tandem with either the EP Device Implant Registry or the AFib Ablation Registry, EP Accreditation incorporates the most recently compiled guidelines and expert consensus statements to produce the best possible care of the EP patient.

### HEART FAILURE

**Heart Failure Accreditation** is a collaborative approach to the treatment of heart failure (HF) patients. As a quality improvement initiative, it ensures that requisite protocols, processes and systems are established in the care of patients with HF. An Outpatient Services designation is offered to facilities that demonstrate the post-discharge management of HF patients.

### HeartCARE Center

HeartCARE Center™ honors those forward-thinking institutions that advance the cause of sustainable quality improvement with a prestigious national distinction of excellence.



Scan the QR code to get started



# QUALITY SOLUTION TOOLS AND RESOURCES

Clinical Toolkits, available through QII, provide hands-on tools to help institutions implement guideline-based best practices and address common clinical issues at their facility.

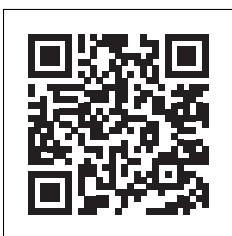
- **QI Toolkit**
  - Assess your knowledge of QI
  - Learn about QI and the FOCUS-PDSA model
  - Conduct a QI project
  - Present and share your project results
- **PCI Bleeding Risk Checklist:** Review solutions to common problems that may lead to PCI-associated bleeding complications and download this tool as a checklist for use in your facility.
- **Advance Care Planning Toolkit**
  - Integrate and document advance care planning into your routine practice
  - Implement advance care planning in the outpatient setting for all patients

## ACC MOBILE APPS

The ACC has several clinical apps to help clinicians implement quality at the point of care.

### EXAMPLES:

- Professional Data Portfolio
- Guideline Clinical App
- TreatHF
- ICD/CRT Appropriate Use Criteria App
- Multilingual ASCVD Risk Estimator
- Plus more!



Get started at  
[CVQuality.ACC.org/Clinical-Toolkits](https://CVQuality.ACC.org/Clinical-Toolkits)

# EDUCATIONAL TOOLS AND RESOURCES

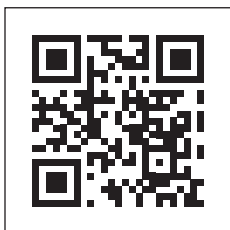
## QII LEARNING CENTER

This educational resource is free and available to current participants - in both NCDR and Accreditation programs - and will help to ensure you get the most out of the registries, accreditation and quality improvement tools and programs available.

The QII Learning Center is organized by the following sections to help you navigate what you want to focus on:

- NCDR Continuing Education (CE) Credit Options
- NCDR Non-CE Credit Options
- NCDR Case Scenarios
- Quality Summit Presentations
- Accreditation Option

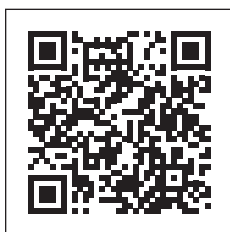
There is something for everyone. New content is continually being added and updated.



Get started at [ACC.org/QII LearningCenter](https://acc.org/QII LearningCenter)

## ACC QUALITY SUMMIT

Learn NCDR registry-specific and hospital industry knowledge, plus a deeper understanding of the value of accreditation and ways patient data can drive process improvement initiatives at the **ACC Quality Summit**. Attendees take away best practices through networking, workshops, poster presentations, and will discover tools and techniques to improve health care quality within their organizations.



Get started at [ACC.org/QSummit](https://acc.org/QSummit)

# ACPC QUALITY NETWORK

The Adult Congenital and Pediatric Cardiology (ACPC) Quality Network is ACC's quality program designed for data collection and collaboration among CHD centers nationwide to improve the quality of care for your CHD patients.

## BENEFITS

- Opportunity to earn MOC Part IV credit and help develop CHD quality improvement metrics
- Data collection via flexible, standardized data collection tool - tracking key metrics in both the inpatient and outpatient settings
- Quarterly reports providing a view of your performance compared to other CHD centers participating in the ACPC Quality Network
- Ongoing knowledge sharing and networking through webinars, listservs and learning sessions
- Opportunity to earn points toward *U.S. News & World Report* scores



Get started at [ACC.org/QNet](https://www.acc.org/QNet)







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