SIMPLE SOLUTIONS.
BIG IMPACT.

Quality Improvement
for Institutions

QUALITY IMPROVEMENT FOR INSTITUTIONS
SIMPLE SOLUTIONS. BIG IMPACT.

Quality Improvement for Institutions (QII) combines American College of Cardiology's (ACC) proven quality improvement service solutions and its comprehensive suite of cardiovascular registries. QII provides **assessment, monitoring, and evaluation tools** that transform clinical data into practical solutions that can make a difference in peoples' lives via one convenient website – *CVQuality.ACC.org*.

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QII INCLUDES:

NCDR®
Suite of cardiovascular data registries helping hospitals and health systems measure and improve the quality of care they provide.

ACC ACCREDITATION SERVICES
Programs aimed at connecting quality and cost with outcomes and patient satisfaction to create cardiovascular communities of excellence.

QUALITY CAMPAIGNS
Proven, hospital-based efforts, including Patient Navigator Program: Focus MI and Reduce the Risk: PCI Beed and others that disseminate evidence-based strategies and toolkits, promote sharing of best practices, and build nationwide learning networks.

CLINICAL TOOLKITS
Easy-to-use tools to ensure the highest-quality patient care.

To access these quality improvement tools and resources for your facility you must log onto QII. If you do not have an account, but are affiliated with an NCDR facility or have an *ACC.org* account, you can activate your account at *CVQuality.ACC.org/get-started*.

QII PARTICIPATION BENEFITS

- Data-driven solutions and benchmarking tools
- Benchmark reporting and physician-level registry dashboards
- Opportunities to collaborate with a community of facilities committed to quality improvement
- Participation in NCDR research, ACC-sponsored quality campaigns and cutting-edge pilot programs
- Ready-to-go projects designed to fit your organization's needs
- On-demand educational resources

QUALITY IMPROVEMENT FOR INSTITUTIONS

ARRHYTHMIA INTERVENTION

Accreditation: Electrophysiology (EP) Accreditation

NCDR: ICD Registry
AFib Ablation Registry
LAAO Registry

QII Learning Center:
- Registry specific overviews
- NCDR Dashboard and Drilldown overview
- Metric and Measures overview
- Provider Level Dashboard overview

Mobile Apps:
- ACC Guideline Clinical App
- CardioSmart Heart Explorer App
- Professional Data Portfolio App
- Treat HF App
- ICD/CRT Appropriate Use Criteria App

ATRIAL FIBRILLATION

NCDR: AFib Ablation Registry
PINNACLE Registry

QII Learning Center:
- Registry specific overviews
- NCDR Dashboard and Drilldown overview
- Metric and Measures overview
- PINNACLE Registry overview

Clinical Toolkits:
- ASCVD Risk Estimator
- Preventing Preventable Strokes Toolkit
- QI Tools for Outpatient Practices

Other:
- Chest Pain – MI Registry Performance Achievement Award

Mobile Apps:
- ACC Guideline Clinical App

CHEST PAIN

Accreditation: Chest Pain Center Accreditation

NCDR: Chest Pain – MI Registry

Campaigns:
- Surviving MI
- Door-to-Balloon
- Patient Navigator: Focus Mi

QII Learning Center:
- Registry specific overviews
- NCDR Dashboard and Drilldown overview
- Metric and Measures overview
- Patient Navigator Program: Focus MI Overview

Clinical Toolkits:
- D2B Strategic Tools
- H2H toolkits
- Patient Navigator Toolkit
- Post PCI Bleeding Risk Toolkit
- Surviving MI Toolkit

Mobile Apps:
- ACC Guideline Clinical App
- ACC Statin Intolerance App
- CardioSmart Heart Explorer App
- Professional Data Portfolio App

CONGENITAL HEART DISEASE

NCDR: IMPACT Registry
ACPC Quality Network

QII Learning Center:
- Registry specific overviews
- NCDR Dashboard and Drilldown overview
- Metric and Measures overview

Mobile Apps:
- ACC Guideline Clinical App

CORONARY ARTERY INTERVENTION

Accreditation: Cardiac Cath Lab Accreditation

NCDR: CathPCI Registry

Campaigns:
- Reduce the Risk: PCI Bleed
- H2H

QII Learning Center:
- Registry specific overviews
- NCDR Dashboard and Drilldown overview
- Metric and Measures overview
- Provider Level Dashboard overview
- Reduce the Risk: PCI Bleeding Campaign overview
- AUC Review

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

Mobile Apps:
- ACC CathPCI Bleeding Risk Calculator App
- ACC Guideline Clinical App
- ACC Statin Intolerance App
- AnticoagEvaluator App
- CardioSmart Heart Explorer App
- Professional Data Portfolio App

HEART FAILURE

Accreditation: Heart Failure Accreditation

Campaigns:
- H2H
- Surviving MI

QII Learning Center:
- Heart Failure Accreditation v3 overview

Mobile Apps:
- ACC Guideline Clinical App
- ASCVD Risk Estimator Plus
- CardioSmart Heart Explorer App
- TreatHF App

TRANSCATHETER VALVE INTERVENTION

Accreditation: Transcatheter Valve Certification

NCDR: STS/ACC TVT Registry

QII Learning Center:
- Registry specific overviews
- NCDR Dashboard and Drilldown overview
- Metric and Measures overview

Mobile Apps:
- ACC Guideline Clinical App
- AnticoagEvaluator App
- CardioSmart Heart Explorer App
- STS/ACC TAVR In-Hospital Mortality Risk App

GENERAL

QII Learning Center:
- NCDR overview
- What is a Quality Check? Rationale and Training
- NCDR eReports Dashboard overview
- Engaging Clinicians for hospital data review
- International Onboarding
- Understanding Guideline Metrics
- Medication Review

Clinical Toolkits:
- Advance Care Planning Toolkit
- QI Toolkit
- QI Communication Kits
- Shared Decision-Making

Other:
- ACC Public Reporting
- Find Your Heart a Home
- HeartCARE Center

Mobile Apps:
- ACC Guideline Clinical App
- Professional Data Portfolio App

NCDR

NCDR is ACC's suite of data registries helping hospitals, health systems and practices measure and improve the quality of cardiovascular care they provide. More than just data collection, NCDR is a comprehensive network of cardiovascular care providers committed to ensuring evidence-based care, improving patient outcomes and lowering health care costs.

Get started at *CVQuality.ACC.org/NCDR*

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 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.

LAAO Registry™ captures data on left atrial appendage occlusion (LAAO) procedures to assess real-world procedural outcomes, short- and long-term safety, comparative effectiveness, and cost effectiveness. LAAO provides a treatment option to manage stroke risk for non-valvular AFib patients who are unable to maintain adequate anticoagulation through medication therapy. The LAAO 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 LEADS PROCEDURES

ICD Registry™ establishes a national standard for understanding treatment patterns, clinical outcomes, device safety and the overall quality of care provided to ICD patients. The ICD Registry plays an important role in determining the association between evidence-based treatment strategies and clinical outcomes.

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 CHD 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.

PARTNER REGISTRIES

The ACC partners with other societies and companies on some of our 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. As part of this partnership, Veradigm operates the PINNACLE Registry and The Diabetes Collaborative Registry. *Veradigm.com*

OUTPATIENT CARDIOVASCULAR CARE

PINNACLE Registry® focuses on coronary artery disease, hypertension, heart failure, AFib and diabetes in the outpatient setting. Its HIPAA-compliant data collection tool works with most electronic health record systems, and its unique online dashboard delivers on-demand reports for viewing overall clinical care, accessing quality improvement best practices, and maximizing opportunities to earn incentives under the CMS Quality Payment Program and e-prescribing incentives.

DIABETES AND CARDIOMETABOLIC MANAGEMENT

Diabetes Collaborative Registry® is the first clinical ambulatory registry aimed at tracking and improving the quality of diabetes and cardiometabolic care across the primary and specialty care continuum. The combined data from primary care physicians, endocrinologists, cardiologists and other diabetes care providers allows for longitudinal study of diabetes, making this a valuable resource that reveals new insights, drives decision-making, and enables better treatment and improved outcomes.

The ACC and Society for Vascular Surgery (SVS) announced that ACC's PVI Registry will collaborate with the SVS Vascular Quality Initiative to support and steer a single vascular registry beginning January 2021.

PERIPHERAL VASCULAR INTERVENTION PROCEDURES

PVI Registry™ measures the prevalence, demographics, management and outcomes of patients undergoing lower extremity peripheral arterial catheter-based interventions, carotid artery stenting and carotid endarterectomy procedures. It enables clinicians to use decision-making data to implement changes to improve the quality of patient care – whether care is provided in a hospital cath lab, interventional radiology department or an outpatient vascular center.

DATA POWERING RESEARCH

The NCDR encourages research applications from credentialed researchers, government agencies, educational institutions and corporations interested in using registry data to answer clinical questions on the delivery and outcomes of cardiovascular health care. Whether published as articles in peer-reviewed journals or presented during major scientific or medical conferences, these findings have a true potential to improve the quality of patient care.

NCDR OFFERS TWO ANALYTIC SERVICES:

NCDR eReports is a web-enabled business intelligence data report dashboards that allow hospitals, health systems and other stakeholders to tailor NCDR reports for comparison purposes, including monitoring the quality of data submissions and performing comparative analyses.

BENEFITS
- Online business intelligence platform
- Customizable market analysis
- Customizable measures/metrics tracking
- Exportable reports and graphics
- Ability to monitor data quality
- Seamless integration of data

Get started at *CVQuality.ACC.org/ereports*

Real-World Evidence is custom analysis of NCDR registry 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
- The patient landscape
- Trends and market conditions

ACC ACCREDITATION SERVICES

ACCREDITATION IMPROVES PATIENT OUTCOMES

ACC Accreditation Services helps hospitals and health systems 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 programs 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*

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

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.

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 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 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.

Electrophysiology (EP) Accreditation is offered to both adult and pediatric EP labs. Used in tandem with either the ICD 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 Accreditation is a collaborative approach to the treatment of heart failure patients. As a quality improvement initiative, it ensures that requisite protocols, processes and systems are established in the care of heart failure patients. An Outpatient Services designation is offered to facilities that demonstrate the post-discharge management of HF patients.

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

QUALITY IMPROVEMENT CAMPAIGNS & MORE

ACC Quality Improvement Campaigns target specific gaps in quality by motivating widespread adoption of evidence-based practices to improve quality of care.

ASSESSMENTS

ASSESS your facility's current processes and identify opportunities for improvement.

TOOLKIT

IMPLEMENT tools and strategies to address gaps in care.

LISTSERVS

SHARE best practices and lessons learned.

WEBINARS

DRIVE CHANGE translate evidence-based strategies into practice.

ACPC QUALITY NETWORK

The Adult Congenital and Pediatric Cardiology (ACPC) Quality Network is ACC's quality program designed for data collection and collaboration among congenital heart disease (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*

REDUCE THE RISK: PCI BLEED

Reduce the Risk: PCI Bleed is focused on minimizing PCI-associated bleeding risks and saving patient lives through widespread adoption of evidence-based best practices. The campaign leverages the power of the CathPCI Registry to help facilities and clinicians anticipate, prepare and save lives.

BENEFITS
- Access to a robust learning network and tools to support quality improvement goals
- A facility-assessment resource to pinpoint areas for improvement
- A customized data dashboard to track and benchmark progress
- Opportunities to help associated clinicians meet Improvement Activity requirements under the Merit-Based Incentive Payment System (MIPS)

Get started at *CVQuality.ACC.org/ReduceRisk*

QII LEARNING CENTER

This educational resource is free and will help answer questions to ensure users get the most out of the registries and quality improvement tools available. New courses are continually added to help participants enhance clinical practice and patient outcomes. Plus, free credit is available upon completion of each course.

- Understanding Metrics
- What is a DQR? Rationale and Training
- What is a Quality Check? Rationale and Training
- Getting Acquainted with the CathPCI v5 Dataset
- NCDR Registry Success "Starts Here"
- NCDR International Onboarding
- Plus more!

Get started at *ACC.org/QIILearningCenter*

OVERVIEW AND
COURSE INTRODUCTION

OUTCOMES REPORTS
AND DASHBOARDS

LEARNING
ON DEMAND

DATA
COLLECTION TOOL

DATA QUALITY
RESOURCES

COURSE CERTIFICATES
AND CREDITS

ACC MOBILE APPS

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

EXAMPLES:
- Professional Data Portfolio, formerly NCDR Clinical Quality Coach
- ACC Guideline Clinical App
- TreatHF
- ICD/CRT Appropriate Use Criteria App
- TAVR In-Hospital Mortality Risk App
- Plus more!

Get started at *ACC.org/Apps* and *CVQuality.ACC.org/Clinical-Toolkits*

QI 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

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