Quality improvement for pediatric and adult patients with congenital heart disease

The Adult Congenital & Pediatric Cardiology Quality Network™ is a national network of congenital heart disease (CHD) centers dedicated to collecting and sharing data, collaborating, and developing best practices for your CHD patients. The network welcomes small practices, hospitals and health systems. Your participation is crucial to building an effective data set that will drive quality improvement and advance the development and delivery of adult CHD and pediatric cardiology standards of care.

Developed by your CHD colleagues, the Adult Congenital & Pediatric Cardiology Quality Network provides:

- Data collection through a standardized data collection tool – tracking a variety of quality metrics in the inpatient and outpatient settings
- Performance reports providing a quarterly view of your performance compared to other participating CHD centers
- Continuous updates on metric specifications and data collection as new quality metrics are added or modified
- Ongoing knowledge sharing and networking via webinars and learning sessions
- Opportunity to help develop candidate CHD quality improvement metrics
- Ability to earn Maintenance of Certification (MOC) Part IV credit

More inside…
The Adult Congenital & Pediatric Cardiology Quality Network invites all members of the CHD care team to participate in continuous quality improvement activities. The network gives you the opportunity to use data on a national level to guide and improve clinical practice consistent with better care and better outcomes. Here’s how…

**Tracking metrics focused on a variety of clinical topics relating to CHD care**

The Adult Congenital & Pediatric Cardiology Quality Network will help you with performance measurement and quality improvement efforts in your hospital, practice or clinic to improve care and outcomes for your CHD patients. Participating facilities have the opportunity to:

- Collect quality metric data across a wide range of clinical areas pertinent to the management of adult CHD and pediatric patients. Current 2016 metrics focus on the quality of care as it relates to adult CHD, Body Mass Index (BMI), non-invasive imaging, nutrition, chest pain, infection prevention, Kawasaki Disease, and key CHD lesions including Tetralogy of Fallot, and Transposition of the Great Arteries (TGA).
- Report only the quality metrics relevant to your patient population.
- Test new quality metrics as added based on the needs of the CHD community and emerging evidence.

**Flexible, standardized data collection process**

Data collection is easy via a secure, web-based survey form. Participating facilities will report only numerator(s) and denominator(s) for available metrics. Facilities will not provide patient level information, identifiers, or other protected health information (PHI).

**Sample Metric:**

<table>
<thead>
<tr>
<th>Measure Description</th>
<th>Denominator</th>
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<tbody>
<tr>
<td>Proportion of adults, &gt; 18 years of age, with repaired coarctation of the aorta (rCOA) who have undergone a complete aortic evaluation.</td>
<td>Number of patients, &gt; 18 years old, who had a rCOA³ and an outpatient cardiology clinic visit during the measurement period.</td>
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**Numerator**

Number of patients who have had a complete aortic evaluation¹ ordered or performed during the measurement period, in the 3 years prior to the clinic visit², or after turning 18 years old.

**Denominator Exclusions**

- Documentation of gadolinium AND dye allergy
- Patient refusal
- Pregnant women

**Denominator Exceptions**

None

**Definitions/Notes**

1. **Complete aortic evaluation** is defined as having undergone at least one of the following: thoracic CMR, CT scan or angiography.
2. **Clinic Visit**: If the patient has had multiple visits during the measurement period, use the most recent visit (i.e. last visit in the measurement period).
3. **Repaired coarctation of the aorta** can either be surgical or catheter-based.
Easy-to-interpret reports help inform quality improvement

Facilities will receive easy-to-interpret quarterly reports with your facility’s performance for selected quality metrics compared with other participating sites. Quarterly reports allow you to establish benchmarks, assess variation in performance, and identify gaps in care. Your facility’s data and reports are intended for use in internal quality improvement programs only and will not be used for other purposes (i.e., pay for performance, public reporting, or physician ranking).

Tetralogy of Fallot (Sample Report)

The site identifier is coded, allowing for anonymous comparisons

Kawasaki Disease (Sample Report)

Y-axis indicates if a higher or lower percentage indicated better performance

Denominator values are included to indicate sample size

The mean performance rate is provided for easy benchmarking

You’re collaborating on a national level

Participating in the Adult Congenital & Pediatric Cardiology Quality Network gives you access to:

- National network of your peers treating pediatric and adult congenital patients
- In-person learning sessions and webinars to share best practices and care trends in CHD
- Orientation to data collection process and ongoing support
- Exclusive Quality Network Listingserv for continuous knowledge sharing and much more.

Join the Adult Congenital & Pediatric Cardiology Quality Network today to support better care and outcomes for your CHD patients. To enroll or inquire about participant agreements, please contact us at acpcqnet@acc.org.

Visit ACC.org/qnet or email us at acpcqnet@acc.org
About ACC’s Adult Congenital & Pediatric Cardiology Quality Network

Working closely with quality improvement leaders in the Adult Congenital and Pediatric Cardiology Member Section, the American College of Cardiology (ACC) launched the Adult Congenital & Pediatric Quality Network to help address issues related to the limited evidence, insufficient number of guidelines and paucity of data available to guide cardiologist and CHD team members on best practices for their CHD patients. Building on the work of the Adult Congenital and Pediatric Cardiology Quality Workgroup to develop metrics across several domains in pediatric cardiology and adult CHD, the new network provides a national mechanism for current and anticipated metrics that will be used for collaborative clinical quality improvement. For a description of the metric development and review process, visit ACC.org/acpcqualitymetrics.

Thank you to members of the Adult Congenital & Pediatric Cardiology Quality Network Leadership Committee

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Gerard Martin, MD, FACC, Children’s National Health System
Robert Beekman, III, MD, FACC, University of Michigan
Ariane Marelli, MD, MPH, FACC, McGill University Health Centre
Jeffrey Anderson, MD, MBA, FACC, Cincinnati Children’s Hospital

Leading in Congenital Heart Disease Quality Improvement

ACC’s Adult Congenital and Pediatric Cardiology Section was established in 2004 to address quality, education and advocacy issues facing the congenital heart disease (CHD) profession. The Section welcomes pediatric cardiologists, adult congenital cardiologists, nurses, PAs, CHD surgeons, fellows, CHD administrators and adult cardiologists with an interest in CHD. The Section serves as a forum for all CHD professionals and stakeholders, and is focused on improving the care and outcomes of CHD patients. Learn more about becoming a Section member today at ACC.org/ACPC.

IMPACT Registry™ is the first national registry for pediatric and adult congenital treatment interventional procedures providing data and in-hospital outcomes for a comprehensive selection of congenital patients. The registry is part of the ACC’s National Cardiovascular Data Registry (NCDR®) suite of clinical data registries helping hospitals and physician practices measure and improve the quality of care they provide. Learn more at CVQuality.ACC.org/NCDR.

Reducing Radiation Risk is an ACC quality initiative designed to cultivate a culture of quality improvement in congenital catheterization programs and support physician engagement in quality improvement activities. The initiative seeks to reduce radiation exposure received by IMPACT Registry patients undergoing cardiac catheterization procedures. Learn more at ACC.org/ReducingRadiationRiskMOD.

Visit ACC.org/qnet or contact us at acpcqnet@acc.org or 800-257-4737