

Heart Institute



As one of the largest pediatric cardiology programs in the nation, the world-renowned team at the Heart Institute at Cincinnati Children's Hospital Medical Center has achieved outcomes that rival or surpass those at other top centers, for even the most challenging cases. These outcomes are driven by our bench-to-bedside approach, which allows us to bring research results into mainstream treatment plans for our patients before they are available elsewhere.

CONTACT US

For patient referrals and non-urgent consultation during business hours, contact the program directly at:

Phone: **513-636-4432**
thi@cchmc.org

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Phone: **+1-513-636-3100**
international@cchmc.org

www.cincinnatichildrens.org/heart



The Heart Institute at Cincinnati Children's is part of the Joint Heart Program.

A collaboration between Cincinnati Children's and Kentucky Children's Hospital, the Joint Heart Program is ranked nationally by *U.S. News and World Report*.



HEART INSTITUTE LEADERSHIP

Executive Co-Directors

Andrew Redington, MD
Chief, Pediatric Cardiology

Jeffery Molkenin, PhD
Director, Molecular Cardiovascular Biology

David L.S. Morales, MD
Director, Cardiothoracic Surgery

Leadership Team

David Cooper, MD, MPH
Medical Director, Heart Institute
Medical Director, Cardiac Intensive Care Unit

Mark McDonald, MA
Vice President, Heart Institute

Jerome Schwartz, MHHA, BSN, RN, NE-BC
Assistant Vice President, Patient Services

James Spaeth, MD
Director, Cardiac Anesthesia

WHAT SETS US APART

- Our **patient-family focused ecosystem** provides unique experiences and expertise for every stage of life—from maternal-fetal heart care through adult congenital heart care.
- **Novel ventures**, such as the Fontan Clinic, Coronary Artery Clinic, Cardiac Rehab Program and Cardio-Oncology Program, provide condition-specific expertise with an eye towards the future of precision cardiac care.
- Our top-tier Cardiothoracic Surgery Program includes five internationally recognized surgeons working hand-in-hand with the medical team to provide **exemplary outcomes, high survival rates and shorter hospital length of stays**.
- Our surgical faculty are **breaking new ground in transplant research**, investigating the use of artificial intelligence to improve short- and long-term outcomes.
- We continue to innovate by investing in the development and creation of **digital healthcare solutions**, such as a **real-time surgical outcome tracking** application and **advanced virtual surgical planning tools**.
- We are committed to **collaborating with other hospitals to improve quality, outcomes and experience** for congenital heart patients and families worldwide. Our faculty have helped establish several collaborative networks, such as the Pediatric Acute Care Cardiology Collaborative (PAC3), Advanced Cardiac Therapies Improving Outcomes Network (ACTION), Fontan Outcomes Network and the National Pediatric Cardiology Quality Improvement Network (NPCQIC).
- We have taken innovative approaches to **expanding access to high-quality heart care** closer to home, offering more than 26 pediatric and adult congenital heart clinic locations, a Mobile Care Center and expanded telehealth services.

24,180

Outpatient clinic visits, including telehealth visits

559

Cardiothoracic surgeries, including:

- 14** Heart transplants
 - 2** Lung transplants
 - 2** Heart-lung transplants
 - 1** Heart-liver transplant
-

144

Ventricular and lung assist devices implanted since 2010

87

Faculty conducting research

485

Publications by Heart Institute Faculty

Cincinnati Children's data from July 2021–June 2022 unless otherwise noted

For urgent issues, or to speak with the specialist on call 24/7, call the Physician Priority Link[®] at 1-888-987-7997.

For international inquiries, call +1-513-636-3100 or email international@cchmc.org.

SPECIALIZED HEART INSTITUTE PROGRAMS

The **Adult Congenital Heart Disease Program** offers ongoing, lifelong surveillance for patients with the most complex congenital heart defects in order to prevent complications. We also provide a **Fontan Management Clinic**, which is one of the only programs of its kind for treating this complex condition.

The **Center for Better Health and Nutrition** evaluates, treats, manages and prevents obesity in youth ages 2–19 with a BMI at or above the 85th percentile.

Our **Cardiomyopathy** team of pediatric cardiologists and genetic counselors investigates all forms of pediatric cardiomyopathy, and can diagnose complex forms of heart muscle disease.

The **Cardio-Oncology Program** provides comprehensive care for patients who have cancer, bone marrow failure or a blood disorder and may be at risk for cardiovascular disease due their course of treatment.

Cardiothoracic Surgery provides world-class surgical interventions for infants to adults, and specializes in complete correction of complex single ventricle cardiac defects and heart defects in newborns. We lead the field in reducing length of stay and mortality among key benchmarks in a national database of cardiac surgical procedures.

Cardiovascular Genetics (includes Genetic Counseling Clinic) specializes in diagnosing and managing patients with inheritable cardiovascular disease, and genetic conditions such as Marfan and Noonan syndromes.

Our **Catheterization and Intervention** service features two hybrid catheterization lab suites that can provide a less-invasive surgical strategy by combining catheterization and surgical treatments.

The **Coronary Artery Clinic** provides specialized care for children born with coronary artery defects, including abnormal coronary origins and infants and children affected by Kawasaki disease.

Our **Fetal Heart Program**, in partnership with the Cincinnati Children's Fetal Care Center, provides the only comprehensive center in the Midwest for fetal evaluation, diagnosis and treatment, along with on-site delivery options.

Our **Heart Failure and Transplant Program** cares for patients of all ages with end-stage congenital heart disease and cardiomyopathy, from facilitating their candidacy for transplantation through delivering post-transplant care. We're also one of the few hospitals in the nation to provide multi-organ transplants.

The **Lung Transplant and End-stage Lung Failure Program** teams provide comprehensive, multidisciplinary care for pediatric patients whose complex and challenging end-stage lung disease has not responded to other medical and surgical therapies. We are one of very few in the U.S. offering lung transplant for infants as well lung assist devices for bridge to transplant.

The **Neurodevelopmental and Education Clinic** helps maximize school preparedness by providing developmental assessment and educational intervention for infants, toddlers and pre-schoolers.

The **Neuromuscular Cardiology** team provides advanced treatment interventions for heart problems related to muscular dystrophy, including the female carriers of the disease, and is an international leader in treating Duchenne muscular dystrophy.

Our **Pulmonary Hypertension** program is recognized nationally as a Center of Comprehensive Care and provides consultation, extensive diagnostic testing, long-term treatment and follow-up for patients with pulmonary hypertension.

The **Single Ventricle Interstage Clinic** uses a multidisciplinary approach to optimize care coordination during the interstage period and to ultimately decrease associated morbidity and mortality.

The **Ventricular Assist Device Program** is one of the largest in the nation, offering more than 7 different devices. We are the first cardiac program in the U.S. to perform destination therapy for patients with Duchenne muscular dystrophy and can offer this therapy to patients with disorders not amenable to heart transplantation.