The Heart Institute at Children’s Hospital Los Angeles is one of the top-ranked pediatric heart programs in the nation—with a long history of exceptional and innovative care for the most complex pediatric cardiac conditions.

We treat patients from fetus to adulthood and serve as a major tertiary referral center for all forms of congenital and acquired heart disease.

We offer an integrated inpatient and outpatient complement of services that brings together experts in cardiology, cardiothoracic surgery, cardiothoracic transplant, cardiothoracic intensive care and cardiovascular acute care in a centrally located, state-of-the-art healing environment. With fewer steps to navigate, our patients and families receive care that is more streamlined and less stressful.

Our programmatic emphasis on high-complexity surgeries in neonates has produced outcomes that are among the best in the country, as shown in the most recent Society of Thoracic Surgeons report.

Our Cardiothoracic Intensive Care Unit (CTICU) was the first of its kind on the West Coast, using innovative treatments including extracorporeal membrane oxygenation (ECMO) and ventricular assist services.

Our two state-of-the-art catheterization laboratories use the latest technology to provide accurate cardiac data while reducing radiation.
**Division Chiefs**

**Sarah Badran, MD**  
Director, Pediatric Cardiology Education; Co-Director, Interventional Cardiology; Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Professor of Pediatrics, Keck School of Medicine of USC  
**Specialties:** Pediatric cardiology, interventional catheterization, congenital heart disease (CHD), pediatric cardiac palliative care, pediatric heart failure and mechanical support

**Vaughn Starnes, MD**  
Chief, Division of Cardiothoracic Surgery; Co-Director, Heart Institute; Attending Cardiothoracic Surgeon, Children’s Hospital Los Angeles  
Distinguished Professor and Chair, Department of Surgery; Surgeon-in-Chief, Keck Hospital of USC and USC Norris Cancer Hospital; H. Russell Smith Foundation Chair and Executive Director, Cardiovascular Thoracic Institute; President of USC Care Medical Group, Department of Surgery, Keck School of Medicine of USC  
**Specialties:** Congenital cardiac surgery; thoracic and cardiovascular surgery

**Paul F. Kantor, MBBCh, MSc, FRCPC**  
Chief, Division of Cardiology; Co-Director, Heart Institute; Attending Physician, Children’s Hospital Los Angeles  
Professor of Pediatrics, Keck School of Medicine of USC  
**Specialties:** Heart failure, transplantation medicine, echocardiography

**Cardiology Physicians**

**Sarah Badran, MD**  
Director, Pediatric Cardiology Education; Co-Director, Interventional Cardiology; Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Professor of Pediatrics, Keck School of Medicine of USC  
**Specialties:** Pediatric cardiology, interventional catheterization, congenital heart disease (CHD), pediatric cardiac palliative care, pediatric heart failure and mechanical support

**Yaniv Bar-Cohen, MD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Professor of Clinical Pediatrics, Keck School of Medicine of USC  
**Specialties:** Pediatric cardiology, electrophysiology

**Andrew Cheng, MD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC  
**Specialties:** Pediatric cardiology, cardiac imaging, research
Cardiology Physicians (continued)

**Jon Detterich, MD**
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
Associate Professor of Clinical Pediatrics, Keck School of Medicine of USC

**Specialties:** Pediatric and fetal cardiology, noninvasive cardiac imaging, cardiac MRI

- **Brandy Hattendorf, MD**
  Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
  Associate Professor of Clinical Pediatrics, Keck School of Medicine of USC

  **Specialties:** Pediatric and fetal cardiology

- **Allison Hill, MD**
  Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
  Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC

  **Specialties:** Pediatric cardiology, electrophysiology, cardiogenomics

- **Grace Kung, MD**
  Director, Pediatric Cardiology Fellowship Program; Attending Physician, Division of Cardiology,
  Heart Institute, Children’s Hospital Los Angeles
  Professor of Pediatrics, Keck School of Medicine of USC

  **Specialties:** Pediatric and fetal cardiology, noninvasive cardiac imaging, postnatal care of complex
  CHD patients

- **Alan Lewis, MD**
  Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
  Professor of Clinical Pediatrics, Keck School of Medicine of USC

  **Specialties:** Pediatric cardiology, hyperlipidemia (high cholesterol)

- **Jondavid Menteer, MD**
  Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
  Associate Professor of Clinical Pediatrics, Keck School of Medicine of USC

  **Specialties:** Pediatric cardiology, transplant, heart failure
Cardiology Physicians (continued)

**Neil Patel, MD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Clinical Instructor of Pediatrics, Keck School of Medicine of USC  
**Specialties**: Pediatric cardiology, interventional cardiology and exercise physiology

**Jay D. Pruetz, MD**  
Director, Fetal Cardiology Program; Attending Physician, Division of Cardiology, Heart Institute,  
Children’s Hospital Los Angeles  
Associate Professor of Pediatrics and Obstetrics and Gynecology, Keck School of Medicine of USC  
**Specialties**: Pediatric and fetal cardiology, prenatal diagnosis of complex congenital heart disease, fetal cardiac interventions

**Surabhi Reddy, MD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Associate Professor of Clinical Pediatrics, Keck School of Medicine of USC  
**Specialty**: Pediatric and fetal cardiology

**Robert Shaddy, MD**  
Pediatrician-in-Chief, Senior Vice President of Academic Affairs, Children’s Hospital Los Angeles  
Chair, Department of Pediatrics, Keck School of Medicine of USC  
**Specialties**: Pediatric cardiology, heart failure

**Michael Silka, MD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Professor of Clinical Pediatrics, Keck School of Medicine of USC  
**Specialties**: Pediatric cardiology, electrophysiology

**Andrew Souza, DO**  
Co-Director, Cardiovascular Acute Care Unit; Attending Physician, Division of Cardiology, Heart Institute,  
Children’s Hospital Los Angeles  
Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC  
**Specialties**: Pediatric and fetal cardiology, noninvasive cardiac imaging, interventional imaging, exercise physiology
Cardiology Physicians (continued)

Jennifer Su, MD
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC
Specialties: Pediatric cardiology, heart failure, cardiogenomics

Patrick Sullivan, MD
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC
Specialties: Pediatric cardiology, interventional cardiology

Jacqueline Szmuszkovicz, MD
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC
Specialties: Pediatric cardiology, pulmonary hypertension, Kawasaki disease

Cheryl Takao, MD
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
Assistant Professor of Clinical Pediatrics, Keck School of Medicine of USC
Specialties: Pediatric cardiology, interventional catheterization

Jodie Votava-Smith, MD
Associate Director, Fetal Cardiology Program; Attending Physician, Division of Cardiology,
Heart Institute, Children’s Hospital Los Angeles
Assistant Professor of Pediatrics, Keck School of Medicine of USC
Specialties: Pediatric and fetal cardiology, fetal and neonatal brain imaging, neurodevelopmental
outcomes in CHD

Roberta Williams, MD
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles
Professor of Pediatrics, Keck School of Medicine of USC
Specialties: Pediatric cardiology, adult congenital cardiology
Cardiology Physicians (continued)

**Pierre Wong, MD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Associate Professor of Pediatrics, Keck School of Medicine of USC  
**Specialties:** Pediatric cardiology, echocardiography

**John Wood, MD, PhD**  
Attending Physician, Division of Cardiology, Heart Institute, Children’s Hospital Los Angeles  
Professor of Pediatrics, Keck School of Medicine of USC  
**Specialties:** Pediatric cardiology, cardiac MRI, research

Cardiothoracic Surgeons

**Cynthia Herrington, MD**  
Program Director, Congenital Cardiac Surgery Fellowship; Surgical Director, Heart Transplant Program;  
Attending Cardiothoracic Surgeon, Division of Cardiothoracic Surgery, Heart Institute,  
Children’s Hospital Los Angeles  
Associate Professor of Surgery, Keck School of Medicine of USC  
**Specialties:** Congenital cardiac surgery; thoracic and cardiovascular surgery

**Richard Kim, MD**  
Attending Cardiothoracic Surgeon, Division of Cardiothoracic Surgery, Heart Institute,  
Children’s Hospital Los Angeles  
Associate Professor of Surgery, Keck School of Medicine of USC  
**Specialties:** Congenital cardiac surgery; thoracic and cardiovascular surgery

**Ram Kumar Subramanyan, MD**  
Attending Cardiothoracic Surgeon, Division of Cardiothoracic Surgery, Heart Institute,  
Children’s Hospital Los Angeles  
Assistant Professor of Surgery, Keck School of Medicine of USC  
**Specialties:** Congenital cardiac surgery; thoracic and cardiovascular surgery
Cardiothoracic Surgeons (continued)

Winfield Wells, MD
Attending Cardiothoracic Surgeon, Division of Cardiothoracic Surgery, Heart Institute, Children’s Hospital Los Angeles
Associate Professor of Surgery, Keck School of Medicine of USC
Specialties: Congenital cardiac surgery; thoracic and cardiovascular surgery

Cardiology Programs and Services
- Cardiac MRI
- Center for Cardiogenomics
- Echocardiography
- Electrophysiology
- Exercise testing
- Fetal cardiology
- Heart failure
- Heart transplant
- Hyperlipidemia
- Hypertension
- Interventional catheterization
- Kawasaki disease
- Single Ventricle Clinic
- Sports cardiology
- Valvular disease
- Young Adult Cardiac Program

Cardiothoracic Surgery Programs and Services
- Complex neonatal surgery
- Fetal surgery
- Heart transplant
- Interstage Follow-up Clinic for complex neonatal surgery
- Ross procedure

Highlights and Milestones
- One of the largest pediatric cardiac programs in the country, with 45 dedicated inpatient beds, most of them in private rooms.
- The Heart Institute treats 8,000 children each year, with more than 900 undergoing cardiac surgery.
- The Heart Transplant Program and the CTICU celebrated 25 years of excellence in 2018.
- The CTICU received the Beacon Award for Excellence from the American Association of Critical-Care Nurses.
- The Cardiovascular Acute Unit opened in 2011 along with the new inpatient tower, the Marion and John E. Anderson Pavilion.
- Our cardiothoracic team is known for its innovative pediatric cardiothoracic surgical techniques, some of which were pioneered at CHLA and are now used across the nation. Among the breakthroughs we have achieved, we are proud to be:
  - The first on the West Coast to perform pediatric heart surgery
  - The first in Southern California to perform open-heart surgery
  - The first on the West Coast to perform a successful surgical treatment for transposition of arteries
  - The first in the world to accomplish a double-lung lobe transplant from living parents to a child with cystic fibrosis
  - The first pediatric cardiothoracic intensive care unit on the West Coast

Main Location
Division of Cardiology
4650 Sunset Blvd., #34
Los Angeles, CA 90027

Division of Cardiothoracic Surgery
4650 Sunset Blvd., #66
Los Angeles, CA 90027

Cardiology Satellite Locations
CHLA - Arcadia
468 E. Santa Clara St.
Arcadia, CA 91006
Phone: 626-795-7177

CHLA Bakersfield Cardiology Clinic
9500 Stockdale Highway, Suite 104
Bakersfield, CA 93311
Phone: 661-664-1047

CHLA – South Bay
3440 Torrance Blvd., Suite 100
Torrance, CA 90503
Phone: 310-303-3890