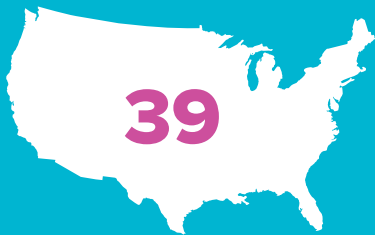


# Newborn Intensive Care



## 900+

Infants cared for each year at our Level IV NICU



NICU patients have come to us from 39 states and overseas for complex care.



Cincinnati Children's is ranked #3 in the nation among Honor Roll hospitals.

The Newborn Intensive Care Unit (NICU) at Cincinnati Children's Hospital Medical Center is one of the most sophisticated Level IV intensive care units for newborns in the United States. The NICU provides the highest level of medical and nursing care to premature and critically ill newborns. Our pediatric subspecialists collaborate with neonatologists to treat rare and complex pediatric conditions.

## HOW WE'RE DIFFERENT

Cincinnati Children's NICU is staffed with nationally recognized experts in neonatology and our pediatric subspecialists are available in-house with expertise in every specialty, including fetal and neonatal surgery, cardiology, neurology, pulmonology and urology.

In keeping with our mission to educate the next generation of neonatologists, we train 6 neonatology fellows per year.

Our neonatologists manage newborn care at Cincinnati, Northern Kentucky and Dayton area hospitals and attend at four Level III NICUs in addition to Cincinnati Children's. Altogether, we manage more than 3,000 NICU admissions each year.

Cincinnati Children's NICU has equipment and staff to provide the highest level of care for your newborn patients:

- Our state-of-the-art NICU and CICU highlight comfort, efficiency, and innovation to provide better outcomes for patients. Some of these key features in this world-class facility include more spacious inpatient rooms, pass-throughs for every room, and first-of-its-kind spectral lighting, an LED system that mimics light wavelengths in natural outdoor settings.
- With nine ambulances and access to both fixed wing and rotor aircraft fully equipped for neonatal transports, our full-time, dedicated transport team conducts an average of 700 neonatal transports each year.
- Our NICU is staffed with highly trained, experienced nurses, including more than 60 Advanced Practice Providers (APP) for the main campus NICU, and more than 63 percent of our bedside nurses have a special certification in neonatal nursing.
- We have a physician liaison with experience as a NICU nurse, whose role is dedicated to ongoing communication with referring physicians regarding the status of their patients referred to our NICU.

## EXPERTISE

We treat all pediatric conditions, including the rarest and most complex conditions, such as:

- Airway and esophageal disorders
- Micrognathia
- Bronchopulmonary dysplasia (BPD)
- Rare lung diseases
- Congenital diaphragmatic hernia (CDH)
- Congenital heart diseases
- Epilepsy and other neurologic disorders
- Gastrointestinal disorders
- Colorectal malformations
- Bladder outlet obstruction
- Urogenital disorders



## NEWBORN INTENSIVE CARE UNIT TEAM

**Beth E. Haberman, MD**

*Senior Medical Director*

**Kristin R. Melton, MD**

*Associate Medical Director*

**Stefanie L. Riddle, MD**

*Associate Medical Director,  
Delivery Services*

**Emily Cosgrove, MSN, RNC-NIC**

*Clinical Co-Director*

**Michelle Shinkle, MSN, RN**

*Clinical Co-Director*

**Kelly R. Wendel, MSN, RN, APRN,  
NNP-BC**

*NICU APP Clinical Director*

**Sandra Evans, RN, BSN**

*Physician Liaison*

## DIVISION OF NEONATOLOGY

**Jae H. Kim, MD, PhD**

*Director, Division of Neonatology  
Perinatal Institute Co-Director*

*The NICU is part of Cincinnati Children's Perinatal Institute, which was established to improve the health of newborn infants through innovation in clinical care, education and research.*

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

[www.cincinnatichildrens.org](http://www.cincinnatichildrens.org)

## SPECIALIZED SERVICES

Cincinnati Children's provides highly specialized services including:

**Bronchopulmonary Dysplasia (BPD) Care**—Multidisciplinary experts care for pediatric patients from their time in the NICU through long-term follow-up care. Our integrated team utilizes state-of-the-art methods, including unique neonatal cardiorespiratory MRI exams that provide high-quality diagnostic images of the patient's lung, airways and heart. Customized diagnostic and treatment plans are unavailable at any other center.

**Congenital Diaphragmatic Hernia (CDH) Care**—Patients are cared for by the same team of experts from prenatal diagnosis through long-term follow-up care. We are proud of a 100 percent survival-to-discharge rate for babies with low-risk left-sided CDH.

**Extracorporeal Membrane Oxygenation (ECMO)**—Our ECMO team has more than 35 years of experience treating more than 800 infants needing ECMO for respiratory and cardiac support. Pediatric surgeons, cardiothoracic surgeons, intensivists, registered nurses, registered respiratory therapists and cardiothoracic perfusionists join in this Extracorporeal Life Support Organization (ELSO) Gold Center of Excellence.

**CARPEDIEM**—The Cardio-Renal Pediatric Dialysis Emergency Machine (CARPEDIEM) is a new system for infants with acute kidney injury or kidney failure requiring dialysis. The goal of this ground-breaking technology is to provide continuous kidney replacement therapy and improve outcomes for the smallest, most fragile infants in the cardiac, neonatal and pediatric intensive care units.

**Intestinal Rehabilitation Center**—A specialized integration of neonatology, general surgery, gastroenterology and nutrition manages infants with intestinal failure including short bowel syndrome. We provide innovative medical and surgical care as well as develop advanced methods for intestinal regeneration.

**NICU Follow-Up Clinic**—A specialized team manages developmental concerns, supplemental oxygen therapy and complex ongoing care for high-risk infants discharged from the NICU. Children with special needs receive the long-term coordinated care needed to reach their full potential. Our clinic follows babies with the most complex diagnoses, including bronchopulmonary dysplasia (BPD), genetic disorders and other fetal anomalies.

**Neonatal Transport**—We provide ground and air transport of critically ill newborns from local, regional, national and international referral sites—24 hours a day, 7 days a week. The 70-member team is trained in critical care and acute management of neonatal patients.

**Neonatal Magnetic Resonance (MR) Imaging (MRI)**—We develop and incorporate the latest technology in high-field MRI in the NICU to provide a safer and accessible way to image critically ill and premature newborns. The MRI will be updated in 2023 with a 3T magnet designed for newborns; we continue to offer invaluable imaging data to support clinical management as well as research.

**Neuro NICU**—Neonatology and Pediatric Neurology collaborate to provide brain-focused care using advanced imaging technology and a standardized evidence-based approach. Its goal is to prevent brain injury and improve neurodevelopmental outcomes for high-risk infants through therapies such as therapeutic hypothermia for newborns with birth asphyxia/hypoxic-ischemic encephalopathy (HIE).

## BY THE NUMBERS

# 700

Our transport team conducts an average of 700 neonatal transports each year.

# 60

We have more than 60 researchers investigating methods to advance the care of newborns.