

Texas Children's Newborn Center®

# Congenital Diaphragmatic Hernia Program

## Our volume and outcomes

We have cared for more patients than most other centers in the US with some of the best outcomes in the world.

### Annual Average CDH Volumes (2018-2022)

21+

patients treated

6+

patients treated on ECMO

27%

patients discharged on PH medication

91% patient survival rate

## Advanced diagnostics starting in pregnancy

Our partners, at Texas Children's Fetal Center® is one of the few centers in the country that can perform fetal endoscopic tracheal occlusion (FETO) in both the left and right lungs for patients with severe congenital diaphragmatic hernia (CDH), a breakthrough procedure with the potential to help improve lung growth before birth. With some of the best outcomes, this procedure places a balloon in the trachea of the fetus in utero so that the fluid normally produced by the lungs cannot escape. Retention of this fluid stimulates lung growth, which discourages pulmonary hypertension.

## Our research and innovation

Our team of dedicated CDH providers have always been on the forefront of research and innovation. We invite you to learn more about some of our approaches that have been developed and improved at Texas Children's Hospital within the last 5 years.



Scan the QR Code to be linked to our publications.

## Our experts

As one of the nation's leaders in the diagnosis and treatment of congenital diaphragmatic hernia (CDH), Texas Children's Newborn Center® offers the full spectrum of neonatal therapies and care for patients with the most complex conditions. As a high volume ECMO center with multi-disciplinary care for those critical infants, our CDH program has significant experience caring for severe lung disease with expertise in using multiple ventilator strategies like high frequency jet ventilation and high frequency oscillatory ventilation.

We have the experts you need at every step of CDH management:



Cardiopulmonary resuscitation



Hernia repair surgery



Pulmonary hypertension management



Neurodevelopmental Care



Nutritional support

Our dedicated CDH multidisciplinary team provides comprehensive, evidence-based, specialized care to improve CDH-ECMO outcomes.

- Neonatologists and Nurse Practitioners
- Pediatric Surgeons
- Transfusion Medicine Specialists
- Pulmonary Hypertension Specialists

In addition, the nation's top ranked pediatric cardiovascular program, the Texas Children's Heart Center® provides imperic state-of-the-art care to our patients navigating CDH.

## Leading in the field

Historically, ECMO use was reserved for only patients whose risk of mortality using conventional therapies was higher than 80%. Based on our research and expertise, we now repair CDH defects while on ECMO and offer ECMO to patients who previously did not survive based on their severe prenatal markers of CDH.



Texas Children's Hospital

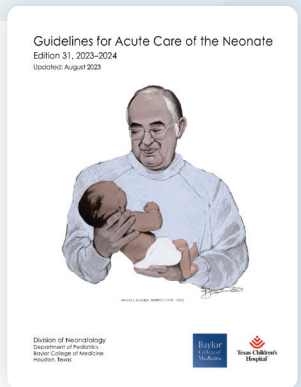
## Leading the field of neonatology



Texas Children's Newborn Center® multi-disciplinary providers author the Baylor College of Medicine Guidelines for Acute Care of the Neonate. This in-depth guide to all aspects of neonatal care continually receives worldwide peer-to-peer recognition.

- 1,800+ downloads annually
- downloads in 69 different countries
- annually updated

Scan the QR code to download your free copy.



## How to refer a patient

A majority of our patients are transported to us from other hospitals. We welcome the opportunity to partner with you in providing outstanding care to your patients.



**Post-admission call:** Your patient's attending neonatologist will call you to provide an admission diagnosis, status update and treatment plan.



**EPIC CareLink:** As a referring physician, you have live portal access to your patient's EMR during the entire admission.



**Newborn Center Liaison:** Call **832-824-0981** for program information, patient follow-up, educational offers and other inquiries.



**Provider Connect:** Call **832-TCH-CARE (832-824-2273)** for assistance with referrals, accessing or navigating a Texas Children's service, or connecting with an on-call specialist.

## Arranging transport

Neonatal patients can be transported to Texas Children's around the clock by Texas Children's Kangaroo Crew, a highly trained team providing fast, safe, state-of-the-art transport by land and sky.



**24/7 Neonate consult: 1-877-Neonate**



**24/7 Neonate transport: 1-877-770-5550**

## Our locations

Texas Children's Hospital  
West Tower, 4<sup>th</sup> floor  
6621 Fannin Street  
Houston, TX 77030  
[texaschildrens.org/nicu](https://www.texaschildrens.org/nicu)

Texas Children's Pavilion for Women  
8th Floor  
6651 Main St.  
Houston, TX 77030

Texas Children's Hospital – The Woodlands  
4th Floor  
17580 1-45  
The Woodlands, TX 77384