

Pulmonary Medicine



Cincinnati Children's Hospital Medical Center offers one of the nation's largest programs for pulmonary disease. Last year, we had more than 33,000 patient encounters to diagnose and treat lung disease. Our diverse team of specialists delivers comprehensive, multidisciplinary care for patients with a wide range of challenging pulmonary conditions.

CONTACT US

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

Phone: **513-636-6771**

International

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

cincinnatichildrens.org/pulmonary

DIVISION LEADERSHIP

Raouf Amin, MD

Director, Division of Pulmonary Medicine

RESEARCH HIGHLIGHTS

Research at Cincinnati Children's ensures progress in the treatment and management of patients with lung disease. Ongoing work includes:

- Improving care for difficult-to-treat, urban core asthma patients through personalized medical therapy and other strategies, such as coordination with schools, technology-based monitoring and follow-up systems, and self-management training
- Adapting imaging tools and techniques to detect lung dysfunction very early in its course, measure the effectiveness of therapy, and study the natural history of lung disease
- CF WELL (Cystic Fibrosis Wellness Education and Learning Laboratory) promoting wellness and quality of life for patients with CF by helping medical professionals provide the highest level of personalized patient and family support
- Applying both genetics and bioinformatics to elucidate the molecular and cellular drivers behind interstitial lung disease and uncover novel treatment options
- Organoid research, which is paving the way to personalized therapeutic recommendations for patients with cystic fibrosis and other diseases with variable genetic bases



Cincinnati Children's is ranked #4 in Pulmonology and Lung Surgery and top 5 in the nation among Honor Roll hospitals.

2,297

Bronchoscopies performed in FY21*

2,300

Physicians from more than **85 countries** trained in the annual Pediatric Flexible Bronchoscopy Training Course since 1981

7.9

Average age (in years) of children who receive lung transplants in our program since inception

(2014–June 30, 2021)

1,122

Number of patients treated for chronic obstructive sleep apnea in our Complex Obstructive Sleep Apnea Center in FY21*

1,601

Unique number of asthma patients seen in ambulatory clinic in FY21. Less than 3.6% were admitted for treatment related to their asthma.

** July 2020–June 2021*

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.

SPECIALTY PROGRAMS

Collaboration is power. Our many specialized programs act as hubs where patients, families, and researchers gather to develop the most comprehensive and advanced care possible.

- Doctors at Cincinnati Children's pioneered pediatric flexible bronchoscopy over 40 years ago. In FY21, our **flexible bronchoscopy program** evaluated nearly 2,300 children, despite Covid-19 impact, providing rapid diagnosis for a range of problems, and treatment for a number of specific conditions.
- Experts at our **Asthma Center** develop up-to-date, evidence-based guidelines to provide interventions ensuring the best care for children with asthma, especially those with severe or difficult-to-treat disease. We are particularly focused on developing strategies to help families prevent emergency department visits and admissions for asthma.
- Our **Cystic Fibrosis Center** combines specialists from pulmonary medicine, endocrinology, gastroenterology, translational research, respiratory therapy, nutrition and psychology. We strive to provide personalized medicine for each child. Our goal is to implement personalized state-of-the-art therapies to help each child achieve optimal health outcomes.
- The **Lung Transplant Program** and **End-stage Lung Failure Program** provide comprehensive care for pediatric patients whose end-stage lung or heart-lung disease has not responded to other medical and surgical therapies. Our team is one of a very few in the United States to offer lung transplant services for infants as small as 5 kilograms.
- The **Sleep Center** team evaluates and treats children with sleep-disordered breathing, parasomnias, circadian rhythm disorders, restless legs syndrome and periodic limb movement disorder, narcolepsy and behavior sleep problems. Our patients include children with complex conditions such as neuromuscular disease, craniofacial syndrome, chronic lung diseases and respiratory control disorders.
- Our **Pulmonary Function Laboratory** is a member of the American Thoracic Society (ATS) Registry. In FY21, our PFT Lab evaluated more than 7,000 patients and performed more than 11,000 tests. These non-invasive, painless tests help us accurately identify and monitor each child's condition, for the most timely, effective treatment.
- Our **Rare Lung Diseases Program** team includes pulmonologists as well as specialists from radiology, pathology, rheumatology, bone marrow transplant, immune deficiencies and vascular malformations. We treat lung disease associated with a wide range of uncommon conditions.
- The **Pediatric Home Ventilator Program** supports children who require chronic mechanical ventilation. Our goal is to safely and seamlessly transition children from the hospital to the home, improving quality of life for families.
- The **Complex Obstructive Sleep Apnea Center** focuses on all children with chronic obstructive sleep apnea, even after tonsil surgery—as well as infants with sleep apnea. The team has special expertise in caring for children with craniofacial anomalies.
- The **Bronchopulmonary Dysplasia (BPD) Center** provides comprehensive care for patients with BPD, including chronic lung disease, airway obstruction, pulmonary hypertension and other related conditions from premature birth throughout childhood and adolescence. We merge multidisciplinary clinical care with translational medicine and imaging research, allowing us to offer new technologies not available anywhere else.