

Hillman Center for
**Pediatric
Transplantation**



INNOVATIVE, PATIENT- AND
FAMILY-CENTERED CARE

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About the cover: Megan Wade (left) of Morgantown, WV and Grace Haddad of Olney, MD enjoy inner tubing on Cheat Lake at Camp Chihopi, which is sponsored by the staff of the Hillman Center for Pediatric Transplantation at Children's Hospital of Pittsburgh of UPMC.

The Birthplace of Pediatric Transplantation and Home of Innovation



Children's Hospital of Pittsburgh of UPMC performed its first pediatric kidney transplant in 1964. In 1981, we opened the country's first comprehensive pediatric transplant center under the guidance of transplant pioneer Thomas E. Starzl, MD, PhD.

Today, after many milestones in the field, the Hillman Center for Pediatric Transplantation at Children's remains at the leading edge of expertise, innovation, and patient- and family-centered care for transplant patients from all over the world.





Children's Hospital of Pittsburgh of UPMC is an international leader in pediatric transplantation, achieving patient outcomes that are among the world's best.



Why Choose Children's Hospital?

For more than three decades, the Hillman Center for Pediatric Transplantation at Children's Hospital of Pittsburgh of UPMC has defined the field of pediatric transplantation. Its pioneering spirit, growth, and innovation are reasons why.

- **As the first comprehensive pediatric transplantation program** in the United States, Children's Hospital has been at the forefront of transplantation since the beginning.
- We consistently achieve **survival rates that exceed national and international benchmarks**.
- We are referred, and are committed to accepting, the **most challenging cases** — including children other hospitals consider too young or too complex to transplant.
- As part of the University of Pittsburgh Medical Center (UPMC), we **draw on the resources of one of the nation's leading integrated health care systems**.
- We're a leader in the use of **lifesaving ventricular assist devices** for children in heart failure.
- Our experts are developing **cellular therapies for malignant and non-malignant diseases**, including metabolic and chronic inflammatory diseases, that will lead to improved outcomes.
- Children's has a strong focus on **reduced-intensity/toxicity cord blood, bone marrow, and stem cell transplantation**.
- Our mission includes **training and mentoring the next generation of physicians, nurses, and researchers** to help further the science of pediatric transplantation.
- Our coordinated, **team-oriented philosophy** gives patients the collective expertise of transplant surgeons, cardiologists, nephrologists, hepatologists, pulmonologists, infectious disease specialists, intensivists, anesthesiologists, pathologists, radiologists, physician assistants, transplant coordinators, nurses, pharmacists, child life specialists, and social workers.
- We are structured to care not just for the child, but to **support the family** as well, and to continue care and support throughout the time we care for the child.
- Our PassportCare program **welcomes patients and families from across the United States and all over the world** with administrative, logistical, cultural, and other support services.
- Pittsburgh, **our hometown, combines cosmopolitan amenities with neighborhood comfort** and affordability for visiting families.
- Our new main campus, opened in 2009, is **one of the most advanced pediatric hospitals in the nation** for medicine, research, and family support.
- **We are a leader in telemedicine services**, offering consultations around the world.
- **Developing individualized therapies** – Children's Hospital researchers are improving protocols that enable physicians to predict and manage rejection, lessening the risk of toxicity and morbidity associated with the long-term use of drugs.
- Our experts have a **distinguished history of pioneering and perfecting new transplant procedures**, making it possible to treat even more diseases and conditions, such as maple syrup urine disease and other metabolic disorders.
- Children's is **a leading center for living donor transplantation** for liver and kidney transplant patients. We also perform domino liver transplants.
- Children's has **vast clinical expertise with multi-organ transplantation**, having performed liver/lung, liver/heart, liver/ kidney, liver/intestine, heart/lung, and lung/heart/liver transplants.

At the Forefront of Pediatric Transplantation

Built upon pioneering work by Thomas E. Starzl, MD, PhD, the Hillman Center for Pediatric Transplantation at Children's Hospital of Pittsburgh of UPMC has performed more pediatric liver transplants than any other pediatric center in the country while achieving patient survival rates among the highest in the world.

Thomas E. Starzl, MD, PhD was awarded the 2004 National Medal of Science for his pioneering work in transplantation. Dr. Starzl founded the Thomas E. Starzl Transplantation Institute at UPMC and the Hillman Center for Pediatric Transplantation at Children's Hospital.



“What had been learned in transplantation was sure to change the practice of all medicine, in ways that already had begun and in ways that were not yet obvious.”

— DR. THOMAS STARZL

A Timeline of Achievement



1977

Children's establishes an **Extracorporeal Membrane Oxygenation (ECMO) Program**, which has grown to be one of the largest in the U.S.

1981

Children's Hospital establishes the **nation's first comprehensive pediatric transplant center**.

1984

Children's performs **the world's first heart/liver transplant**.

1990

Children's performs the world's **first liver/intestine transplant**.

1990

Children's successfully uses a **ventricular assist device** as a bridge to heart transplantation



Children's Hospital performs its first **pediatric kidney transplant**.

1964



Children's performs **the world's first multiple organ transplant** (intestine, liver, pancreas, spleen).

1983

Children's performs its first successful **pediatric heart/lung transplant**.

1985

Children's establishes a **Blood and Marrow Transplant** program.

1991



The Hillman Center for Pediatric Transplantation

Opening the nation's first comprehensive pediatric transplant center in 1981, Children's has continued to be a leader in improving solid organ transplantation with such innovations as the antirejection agent tacrolimus, developed and first used by Dr. Starzl and his team.

Over the years, we've made great strides in developing and improving surgical techniques. New strategies have offered children improved opportunities for long-term survival and an enhanced quality of life.

Our comprehensive approach to treatment includes addressing the medical, emotional, and social needs of our patients and their families. For our patients, transplantation is a lifelong journey, and we have built a program that is committed to providing ongoing optimal care.

1997

Children's performs its first **living-donor liver transplant**. Children's performs the world's first **living-related pediatric kidney/bone marrow transplant**.



2007

Children's opens the **Intestinal Care and Rehabilitation Center** and performs its **200th** intestine transplant.

2011

Children's performs its first **hepatocyte transplant**.



Children's creates the nation's first **Pediatric Intestinal Care Center**.

1996

Children's develops a **comprehensive protocol** for performing liver transplants in patients with Maple Syrup Urine Disease (MSUD).

2004

Children's performs the world's first **pediatric VAD transport by air** for a child in heart failure.

2010

Children's performs more than **325 transplants** for patients with metabolic disease.

2014

A Leader in Pediatric Transplant Services

The Hillman Center for Pediatric Transplantation at Children's Hospital has been a pioneer in the field of pediatric transplantation since 1981. Our experience and expertise have given health and hope to many children in need of a transplant – from solid organ to blood and bone marrow.



Heart

Children's performed the world's first pediatric heart-liver transplant in 1984, and the first successful pediatric heart-lung transplant in 1985. Today we continue to be a center of innovation, by performing research on the next generation of ventricular assist devices, offering specialized transport for children in heart failure, and providing expertise in extracorporeal membrane oxygenation (ECMO).



Liver

With survival rates that are among the best in the world, Children's has performed more pediatric liver transplants than any other center in the United States, and we are a leading center for pediatric living-donor liver transplantation. In addition to acute and end-stage liver disease, we offer transplants for such debilitating and potentially deadly metabolic conditions, such as Maple Syrup Urine Disease (MSUD).



Lung

For children with end-stage lung disease, Children's lung transplant program offers a promising surgical option. Our multidisciplinary program achieves excellent patient survival rates. We provide advanced procedures such as a lung transplant in tandem with a bone marrow transplant for children suffering from immune deficiencies and severe lung disease.



Intestine

Children's performed the world's first and most successful series of small intestine transplants, and has taken pediatric intestinal transplantation from a procedure considered prohibitive to one that today offers improved chances of long-term survival and higher quality of life.



Kidney

A pioneer in pediatric kidney transplantation, Children's performed its first transplant in 1964. We have led many advances since, including the world's first living-related kidney/bone marrow transplant; the early use of immunosuppressive drugs, and preconditioning regimens that allow complete avoidance of steroids after transplantation. Today, the program at Children's includes living and deceased donor kidney transplantation and liver/kidney and multi-visceral/kidney transplantation.



Blood, Marrow, and Cellular Therapies

Established in 1991, the Pediatric Blood and Marrow Transplantation Program at Children's provides a complete range of transplantation and cellular therapies to treat cancers, blood diseases, and conditions caused by inherited blood and autoimmune disorders. Our focus on innovation includes a program of reduced-intensity conditioning regimens that lower the doses of chemotherapy and radiation needed to prevent rejection. We are also active in clinical research exploring placental cord blood transplants and newer, gentler types of bone marrow transplantation.







Our experts explore **all treatment possibilities** before recommending the best option to improve the quality of life for each patient – sometimes, disease management is the best alternative to transplant.



Alternatives to Transplantation

Children's Hospital of Pittsburgh of UPMC is recognized as a leader in pediatric transplantation, but our experts explore all treatment possibilities before recommending the best option to improve the health quality of life for each patient.

The **Division of Pediatric Nephrology** provides a full range of services for the evaluation and management of children with simple or complex nephrologic or urologic disorders. The division offers specialized procedures for renal replacement therapy including peritoneal dialysis, hemodialysis with an independent pediatric hemodialysis unit and hemofiltration/hemodiafiltration (CAVH/CVWH) for acute inpatients.

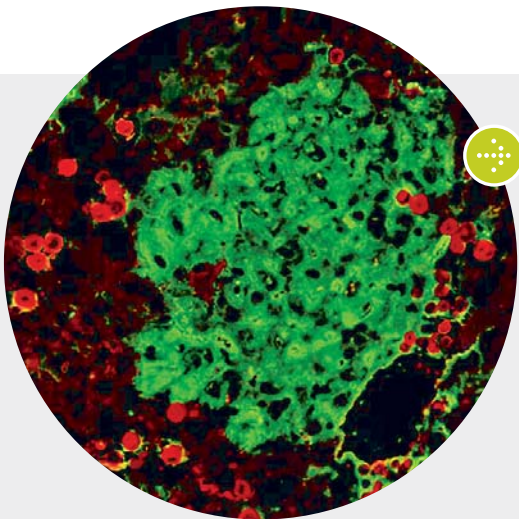
The **Heart Institute** offers a complete array of services that span a patient's lifetime. From the tiniest patients who are still in utero, through adulthood, the team specializes in the diagnosis and management of all forms of congenital heart disease in patients of all ages and acquired heart disease in children.

The **Pediatric Hepatology Program** offers consultative service and comprehensive care for children with a wide range of liver and hepatobiliary disorders. The staff provides medical management for all forms of acute and chronic liver disease in collaboration with Transplant Surgery.

The **Intestinal Care and Rehabilitative Service** is dedicated to intestinal care and rehabilitation for patients with complex intestinal disorders. The team manages patients on long-term TPN and provides multidisciplinary care of intestinal failure including innovative lipid management strategies and central line care, as well as surgical options.

The **Division of Pediatric Pulmonology** provides consultation in the diagnosis and management of respiratory problems and sleep disorders. The Cystic Fibrosis Center is accredited by the Cystic Fibrosis Foundation and has outcomes higher than national averages.

In addition to performing liver, intestine and multivisceral transplants, the **Transplant Surgery Program** performs hepatobiliary surgery, including mesorex bypass, biliary diversions, portosystemic shunts and liver resections as therapeutic treatment for selected patients.



With **cellular therapies** like hepatocyte transplantation, physician-scientists isolate only the liver cells or hepatocytes they need for transplantation, as a less invasive way to provide liver cell tissue to patients when donor tissue is not available. The cells can come from adult or pediatric livers, male or female, and even diseased livers, to help alleviate some of the organ donor shortage. Children's Hospital of Pittsburgh of UPMC is the first transplant center in the United States to put protocols in place for hepatocyte transplantation.



Child Life specialists strive to help patients and families understand and cope with their hospital stay and their overall health care experience.



Comprehensive Care that's Patient- and Family-Centered

Children's is committed to family-centered care that puts the needs of the patient and family first, recognizing the crucial role that family support plays in the success and well-being of a pediatric transplant patient.

Throughout treatment and beyond, we surround the patient and family with support, information, and education. In addition to the child's physician, each family has access to transplant coordinators, social workers, psychologists, physical and occupational therapists, nurses, and others who can help with the physical, emotional, social, educational, and financial challenges of transplantation.

During the transplant process, physicians, nurses, clinical nutritionists, and pharmacists share information with the family during daily patient rounds and care conferences. When the child is ready to leave the hospital, our staff instructs parents and caregivers about life after transplantation and how to care for their child at home.

The Ronald McDonald House, located on Children's main campus, provides low-cost temporary housing to families of transplant patients. It's a home away from home so families can focus solely on the well-being of their child. The spacious facility houses 60 private apartments on six floors, with flat screen televisions and Internet access.

myCHP online health portal

To help patients and families better manage their health, Children's offers myCHP, an online portal for tracking lab results, medications, forms, and

other information. myCHP also provides secure, convenient prescription renewals, appointment requests, and messaging with your health care team.

Fun at summer camp

Children's Hospital offers special summer camps that let kids be kids. Camp Chihopi is a fun-filled summer camping experience for children who have had a pediatric liver or intestine transplant. Dr. Bill Neches Heart Camp for Kids offers children who have had heart transplants a camping experience where they can interact with other children with heart disease.

Children's Hospital also runs Camp Courage for patients who currently have or previously had cancer or blood diseases and Camp Escape for children with sickle cell disease. Western PA Kidney Kamp is dedicated to providing fun, camaraderie, and support for kids with kidney disease.

A lifelong connection

Our abiding commitment to pediatric transplant patients and their families extends well beyond the operating room. Our comprehensive care encompasses the whole family and continues throughout the child's life. Affording our patients every opportunity to enjoy long, healthy lives is our goal.



When children undergo treatment for serious illnesses, needle sticks, procedures, and hospital stays can be painful episodes to endure. **Beads of Courage®** is a program that honors these brave patients with beads to represent each and every milestone. Children's Hospital is a proud provider of the Beads of Courage® program.



Teen Pocket PATH is a compliance and tracking app designed to help teen patients and their families better manage their medication regimen. It was developed by Diana Shellmer, PhD, a pediatric psychologist at Children's Hospital.

Advancing Transplantation through Research

The basic science and clinical research under way at the Hillman Center for Pediatric Transplantation at Children's Hospital of Pittsburgh of UPMC follows a rich tradition of innovation that has improved the lives of pediatric transplant patients dramatically through advancements in surgical technique, organ procurement, and the use of immunosuppression.

No area of research has influenced the lives of these patients more than our groundbreaking work in the management of immunosuppression. We are pioneers in therapies that eliminate the need for post-transplant steroids and minimize the need for long-term immunosuppression, shortening hospital stays, and reducing post-surgical complications.

Ongoing areas of research focus include:

- Individualization of immunosuppression to patient specific needs
- Novel strategies to optimize long-term outcomes
- Investigation into innovative transplant alternatives such as hepatocyte transplants as a less invasive way to provide liver cell tissue to patients when donor tissue is not available or a full transplant is not needed
- Protocols designed to investigate biomarkers of transplant tolerance and immunosuppression withdrawal
- Consideration of transplantation for an increasing spectrum of metabolic diseases previously treated exclusively by medical therapy, such as maple syrup urine disease (MSUD)
- Pursuit of all alternative medical and non-transplant surgical therapies when appropriate
- Manipulating cord blood stem cells to shorten the time it takes platelets in cord blood to find a home in the recipient's marrow and quicken recovery

John G. Rangos Sr. Research Center

The 300,000-square-foot John G. Rangos Sr. Research Center at Children's supports biomedical research, including genomics, cellular imaging, signal transduction, structural biology, immunology and neuroscience. It is one of the fastest-growing NIH-funded pediatric research programs in the U.S. The 10-story facility is also home to the Richard King Mellon Foundation Institute for Pediatric Research, an incubator for research that challenges conventional wisdom and can lead to paradigm shifts in pediatric medicine. The Institute supports studies ranging from basic laboratory research to comprehensive multi-center clinical trials in pursuit of new medical therapies. Children's is one of only a handful of NIH-funded centers in the nation whose clinical trial initiatives include a Pediatric Clinical and Translational Research Center (PCTRC) devoted to pediatric research.

Basic Research Programs at Children's

- Stem cell biology / regenerative medicine
- Developmental biology
- Gene and cellular therapy
- Infection and immunity research
- Inflammatory diseases
- Novel strategies for treating pediatric cancer
- Inherited metabolic disorders



Our researchers are developing **individualized drug therapies** to improve the effectiveness of antirejection medicines, while reducing the risk of toxicity and morbidity associated with long-term use of the drugs.



A Commitment to Education and Training

We are committed to nurturing the next generation of specialists and physician-scientists by providing rigorous, high-quality education and training opportunities. Our goal is to prepare students and fellows for careers in academic medicine that include not only caring for patients, but also influencing the future practice of the field through teaching and research.



All of our transplant physicians are faculty members of the University of Pittsburgh School of Medicine, which is ranked among the top 10 medical schools for research and education in the United States.



**University of
Pittsburgh**
School of Medicine

Our close affiliation with the University of Pittsburgh School of Medicine gives students access to world-class faculty on the leading edge of transplantation. Fellowships are offered in pediatric blood and bone marrow, and transplant surgery. In addition, our pediatric cardiology, pulmonology, gastroenterology and nephrology fellowships provide training in all facets of transplantation. Our CICU fellowship program is among very few programs in the United States that provide training from experts in such a specialized medical field.

Our faculty members lecture around the world and we hold educational seminars locally, nationally, and internationally that are dedicated to educating physicians on the latest advances in complex disease management and transplant options.

Observer Rotation

In addition, we further extend educational and training opportunities to physicians and other health care professionals around the world through an observer rotation. The length of time for an observer rotation is variable, from two weeks or up to two years. Visiting physicians and clinical support staff also benefit from the rich training resources available at The Peter M. Winter Institute for Simulation Education and Research (WISER), a world-class multidisciplinary training and research facility. WISER is an institute of the University of Pittsburgh whose mission is to conduct research and training programs utilizing simulation-based education. Training is also conducted virtually through Children's Hospital's state-of-the-art teleconferencing services.



Through the years, we have educated many of the world's leading pediatric transplant physicians. **Training and teaching the next generation of transplant professionals** has always been an important part of our rich culture of education.



Partnering with Referring Physicians

At Children's Hospital, we understand the value a patient's referring physician brings to the transplant process. Because we consider referring physicians to be our partners in the transplant process, we are committed to maintaining open communications at every stage. Collaborative communications with the transplant team can include:

- In-person interactions
- Telephone calls and emails
- Teleconference sessions for physicians remotely located
- Telemedicine

We also offer extensive communication with referring physicians, such as providing updates on the child's health and working with them to ensure ongoing long-term care and follow-ups.

Collaborating through Telemedicine

When specialized transplant physicians are not available in your local area, our Telemedicine Program can connect your facility to the pediatric transplant experts at Children's Hospital. This provides patients facing transplantation with the world-class expertise they need at a convenient location, saving the time and expense of travel.

For health care providers — especially those in rural areas or at small hospitals — telemedicine offers:

- Consultations by world-class pediatric transplant specialists
- Increased efficiency
- Better access to high-quality health care

The Transplant Referral Process

If you believe a child may benefit from transplantation or medical and surgical management of their disease or condition, call our 24-hour physician referral service at 412-692-5325. Even if you are unsure whether a child is a candidate for transplant surgery, a consultation with our physicians can help to determine an appropriate plan of care.

Preliminary clinical review

After you refer a child, our multidisciplinary team will conduct a preliminary clinical review. A pre-transplant nurse coordinator will collect the patient's medical history, diagnostic studies, blood work, and other information for evaluation. Transplant surgeons and physicians, nurses, pharmacists, dieticians, psychologists, and other specialists will use this information and work together to determine whether transplant surgery is an appropriate treatment option.

Financial authorization

A transplant credit analyst will coordinate the financial authorization phase of the referral process. The analyst and the insurance caseworker collaborate to determine the extent of the patient's insurance coverage; they also educate patients so that they understand the financial aspects of their medical care.

Since 2009, Children's transplant and critical care specialists have utilized **telemedicine technology** to provide consultative services for the post-operative management of pediatric liver transplant patients at ISMETT in Palermo, Italy, and pediatric cardiac patients at Fundación Valle del Lili in Cali, Colombia and Fundación Cardiovascular de Colombia and Clínica Cardio VID in Medellín, Colombia.

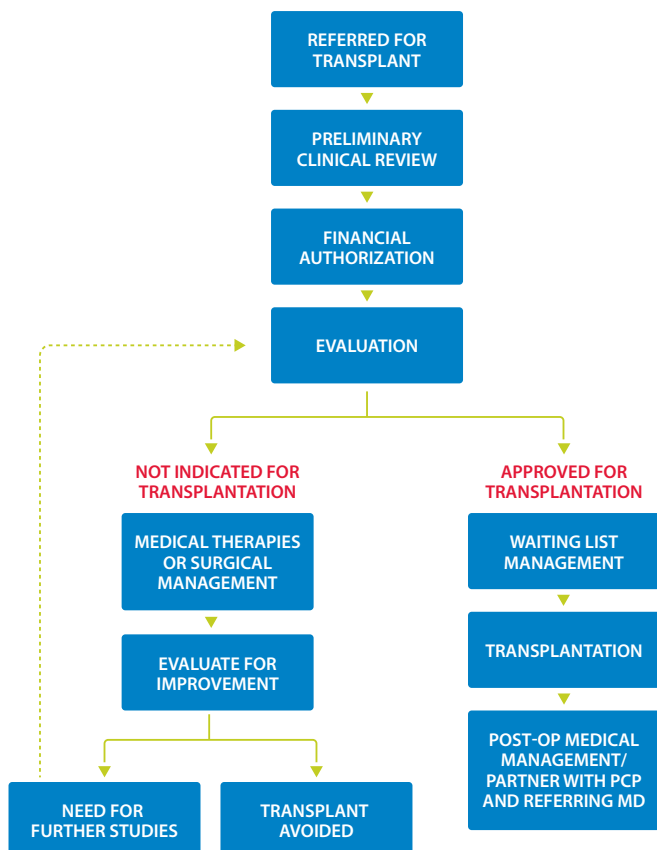


Evaluation and Transplantation

Transplant evaluations are a series of appointments over the course of days during which patients are required to stay in Pittsburgh. Evaluations include diagnostic testing and consultations with the transplant coordinator, surgeon, physician, psychologist, social worker, transplant financial counselor, nutritionist, and other specialists as needed.

If transplantation is not indicated, the child will be recommended for medical therapies or other surgical procedures. We may order further studies or more aggressive treatment if the child's condition does not improve.

If a child is approved for transplant surgery, he or she will be listed with the United Network for Organ Sharing (UNOS). When an organ becomes available, our team will perform the transplant surgery and keep you informed at every stage of the process. After surgery, we will continue to partner with the referring physician to ensure appropriate follow-up care.



Referral Checklist

When referring patients to the Hillman Center for Pediatric Transplantation at Children's Hospital, please include the following information.

Demographic Summary

- Patient name
- Patient date of birth
- Patient address
- Patient phone number
- Emergency contact information (including emergency contact's home and cell phone numbers)

Insurance Information

- Name of subscriber
- Subscriber's relationship to patient
- Identification number
- Group number

Clinical Summary

- Most recent outpatient records
- Discharge summaries from previous hospitalizations
- All operative notes, including surgically placed lines
- Radiologic studies
- Recent laboratory reports
- Current hospital records (if your patient is currently hospitalized)
- Reports from previous transplant evaluations, including letters of acceptance or declination, if applicable

Referring Physician Information

- Referring physician name
- Referring physician phone and fax numbers
- Primary care physician name

Mail records to:

Children's Hospital of Pittsburgh of UPMC
Transplant Services
Faculty Pavilion, Floor 6
4401 Penn Ave.
Pittsburgh, PA 15224

For more information:

24-hour hospital referral line: 412-692-5325
Pediatric Liver & Intestine: 412-692-6110
Pediatric Heart & Lung: 412-692-5541
Pediatric Kidney: 412-692-5182
Pediatric Blood, Bone Marrow, and Cellular Therapies: 412-692-6740

About Children's Hospital

In 2009, Children's Hospital of Pittsburgh of UPMC entered a new era with the opening of our new innovative 10-acre campus in the Pittsburgh neighborhood of Lawrenceville, Pa. Our campus has been distinguished as one of the world's ten most beautiful hospitals by Healthcare News & Technology. But aesthetics are only a small part of the story of our facility that's been designed with patients and families in mind, with a majority of private patient rooms and many homelike amenities.



Advanced Technology

Children's Hospital leads the way in new technology for treating patients and managing health care information. Our comprehensive electronic medical records system is just one facet of a campus-wide investment in infrastructure, communications, telemedicine, and clinical and diagnostic equipment for delivering the highest level of patient care and safety.

Renowned for outstanding clinical care, Children's Hospital has helped to establish the standards of excellence in pediatric medicine by offering more than 60 specialty services and clinics. Clinical services that set Children's apart, include innovations in transplantation, cardiac care, the neurosciences, rare disease therapy, and pediatric ophthalmology, to name just a few.

Accomplishments:



Recognized year after year as one of America's best children's hospitals by U.S. News & World Report



Among only 6 percent of hospitals nationwide to earn prestigious Magnet® recognition



Named to Parents magazine's 2013 listing of the 10 Best Children's Hospitals



The first pediatric hospital in the United States to achieve Stage 7 recognition from HIMSS Analytics for our electronic medical record



International Services

Traveling for medical treatment, whether it's across the state or across an ocean, can present special challenges to patients and families. At Children's, our PassportCare service anticipates special needs, makes a family's stay more comfortable, and helps maintain contact with referring physicians.

PassportCare strives to keep the family's focus on their child by taking care of non-medical details. Before a family arrives, a liaison from our International Services team will work with them to define needs and initiate special arrangements.

During their stay, patients and families will be provided with the information and resources they need to take advantage of all the services available at Children's as well as the amenities available in Pittsburgh. Even after patients return home, our liaisons are available to facilitate clinical and administrative dealings with Children's Hospital.

Translation

We make communication easy in any language – this includes translating forms, questionnaires, other documents, and in-person translation with physicians and staff.

Housing

We help families find housing that suits their needs, whether on campus at the adjoining Ronald McDonald House or nearby.

Transportation

We arrange for free transportation between Pittsburgh International Airport and Children's Hospital, and provide local direction throughout the hospital stay.

Concierge

We help patients and families to navigate the business of an extended hospital stay, including:

- Scheduling appointments and tests
- Guidance through registration and admission
- Interpreting information about costs, billing, and insurance
- Relaying reports to referring physicians

Excellent care, exceptional outcomes

We accept the most complex and difficult cases, and our patient survival rates for pediatric transplantation are among the highest in the world. Our pediatric expertise and successful outcomes have made Children's Hospital a top choice for families and referring physicians nationally and internationally when children need expert care.



About Pittsburgh

Welcome to our neighborhood! Pittsburgh frequently tops the lists of America's most livable cities because of its just-right combination of cosmopolitan amenities with neighborhood friendliness, accessibility, and comfort. Served by a modern international airport, Pittsburgh welcomes visitors from all over the world for education, commerce, art, sports, and, at Children's Hospital of Pittsburgh of UPMC, world-class health care as well.

Getting Here

Pittsburgh is accessible by a vast interstate highway system, Greyhound bus service, Amtrak passenger rail service and one of the top airports in the world. Children's main hospital is accessible by highway from all surrounding locations with ample parking for patients and families.



Pittsburgh is served by Greyhound Bus, the nation's largest provider of intercity bus transportation. The new bus terminal, located in downtown Pittsburgh, is about 3 miles (5 km) from Children's Hospital.



Amtrak passenger rail service is the only high-speed rail operator in the country, with a mission to deliver a high-quality, safe, on-time rail passenger service. The Amtrak station is about 3 miles (5 km) from Children's Hospital.



The Pittsburgh International Airport is served by 12 commercial air carriers, offering 155 non-stop flights per day from 37 destinations. JD Power and Associates and Conde Nast Traveler magazine have named it among the top airports in recent surveys. It's conveniently located approximately 21 miles (34 km) from Children's Lawrenceville campus.

Pittsburgh at a Glance

Location: Eastern United States; southwest corner of Pennsylvania

Primary Airport: Pittsburgh International Airport, approximately 21 miles (34 km) from Children's Hospital

Population: City, 300,000; metro area, 2.4 million

Area: City, 58 square miles; metro area, 5,343 square miles

Climate: Summer, 62° F (17° C) to 83° F (28° C); winter, 20° F (–7° C) to 35° F (2° C)
Rain, 37 inches (94 cm); snow, 43 inches (109 cm)

Economy: Health care, higher education, technology, and finance



Give to Children's

Please help support Children's efforts to continue to pioneer advancements in pediatric transplantation by making a donation to the Children's Hospital of Pittsburgh Foundation at www.givetochildrens.org. Your donation will:

- Support innovative services and research
- Improve treatment options
- Acquire state-of-the-art equipment
- Fund programs such as summer camp



**Hillman Center for Pediatric
Transplantation**

4401 Penn Ave.
Pittsburgh, PA 15224

chp.edu/transplant

UPMC is an equal opportunity employer. UPMC policy prohibits discrimination or harassment on the basis of race, color, religion, ancestry, national origin, age, sex, genetics, sexual orientation, gender identity, marital status, familial status, disability, veteran status, or any other legally protected group status. Further, UPMC will continue to support and promote equal employment opportunity, human dignity, and racial, ethnic, and cultural diversity. This policy applies to admissions, employment, and access to and treatment in UPMC programs and activities. This commitment is made by UPMC in accordance with federal, state, and/or local laws and regulations.