Clinical excellence in pediatric transplantation, cardiac care services, and neurosciences; exceptional, healing-friendly new facilities; concierge services that help patients and families feel at home until they return home: Children’s Hospital of Pittsburgh of UPMC welcomes you to the one place where these elements converge to set new standards in complex pediatric care.

We call this convergence PassportCare. It’s the reason why, across the United States and around the world, referring physicians and informed parents choose Children’s Hospital for complex clinical care.

In more than 100 years of service, we’ve helped define excellence in pediatric care and research. The Leapfrog Group, a leading independent health care information organization, has recognized us as one of only seven top pediatric hospitals for patient safety in the United States.

Our Heart Center unites some of the most highly respected pediatric cardiologists and cardiothoracic surgeons with highly specialized cardiac care services and some of the world’s most advanced pediatric heart disease technologies.

Our Pediatric Neurosciences program, with its leading pediatric neurologists and neurosurgeons, is recognized internationally for its outstanding care of infants, children, and young adults with diseases of, or injuries to, the brain or spinal cord.

Our Hillman Center for Pediatric Transplantation, established in 1982 under renowned transplant pioneer Thomas E. Starzl, MD, PhD, as the nation’s first pediatric transplant center, has performed more transplants in infants or children than any other facility of its type. We specialize in heart, lung, heart and lung, liver, intestine, multivisceral, kidney, and blood and marrow transplants, and we achieve pediatric outcomes that rank among the best.

At Children’s Hospital, a highly qualified team of physicians, researchers, and staff occupy an innovative new 10-acre campus designed to provide extraordinary family-centered care.

And, during your stay with us, our Clinical Concierge Services group will work closely with you, offering assistance with housing, transportation, administration, translation, and religious and cultural matters.
Liver and Intestine

In the process of developing innovative therapies for liver and intestine disorders that until recently would have been fatal, we have helped children from 47 states, and from 29 countries around the world. We also developed a dedicated Intestinal Care and Rehabilitation Center, a multidisciplinary unit that coordinates evaluation, treatment, and follow-up care for children with complex or chronic digestive conditions. Several of the leading liver disease management experts in the United States participate in our acclaimed Pediatric Hepatology Program.

Kidney

We have been working with young people who suffer from end-stage renal disease since 1964, when we performed one of the first pediatric kidney transplants. Today, our transplant teams have been responsible for kidney transplants in hundreds of children and teenagers, and we are one of the world’s most active pediatric kidney transplant centers. Our program was one of the first to adopt the drug tacrolimus as a primary immunosuppressive agent. Tacrolimus enables us to achieve some of the best long-term patient and graft survival rates in the world. In addition, for the past several years, our pediatric patients have received an immunosuppressive regimen that avoids steroids completely after transplantation.

Heart and Lung

Since 1982, we have been dedicated to restoring health and wellness to children suffering from such illnesses as congenital heart disease, cardiomyopathy, cystic fibrosis, and pulmonary hypertension. We performed the world’s first successful pediatric heart and lung transplant in 1985, and have carried out more than 350 thoracic organ transplants in children, including more than 250 heart transplants. With one of the most active pediatric programs on the globe, we have performed more pediatric heart and lung transplant procedures than any other team in the United States.

Blood and Marrow

We are certified by the Foundation for the Accreditation of Cellular Therapy and the National Marrow Donor Program. The program offers comprehensive Blood and Marrow Transplant services, including mismatched unrelated, umbilical cord blood, and tandem transplants. Our patients benefit from innovations that emerge from frequent collaborative trials sponsored by the National Institutes of Health, Children's Oncology Group, and the Pediatric Blood and Marrow Transplant Consortium. For patients with sickle cell disease and other nonmalignant conditions, we perform pioneering clinical research in less toxic nonmyeloablative transplantation techniques.
OUTCOMES: LIVER & INTESTINE

Children’s Hospital maintains one of the busiest and most experienced pediatric transplant centers in the nation. Not only have we led advances in immunosuppressive therapies that prevent rejection without the use of steroids, but our three-year liver and intestine transplant survival rates score consistently among the highest in the United States. As survival rates have risen, we have focused increasing attention on reducing the difficulties of recovery and improving quality of life. Under our steroid-free simplified immunosuppressive regimens, for instance, liver and intestine transplant patients can anticipate better body image, superior growth, and lower risk of infection.
As one of the most advanced pediatric heart centers in the nation, we achieve outstanding surgical outcomes. Our surgeons have performed more than 250 heart transplants, often involving the most complex techniques, such as using extracorporeal membrane oxygenation to support infants and newborns with severe respiratory distress. Our unique hybrid cardiac catheterization suite reduces risk by enabling surgery immediately after catheterization, so the patient undergoes anesthesia only once. And when a bridge to transplantation is required, our surgeons are among the world’s most experienced in using a ventricular assist device, which buys precious time for patients awaiting donor organs. The survival rates of our heart and lung transplantation patients consistently surpass the national averages among pediatric hospitals.
We can care for any child, at any age, with any heart condition.
The Heart Center at Children's Hospital of Pittsburgh of UPMC is home
to some of the most respected pediatric cardiologists and cardiothoracic
surgeons in the United States, and to technology that is among the most
advanced in the field today. That’s why referring physicians and the families
of nearly 12,000 children choose our Heart Center each year.

In our long and distinguished history, we
performed the world’s first pediatric heart
and liver transplant, and our Heart Center
was the first with a comprehensive solid
organ transplant program. Today our doctors
and specialists treat children from before
birth to adulthood, employing sophisticated
preventive and diagnostic procedures, and
highly complex surgical techniques.

- Cardiology Services
Our specialists use both standard and
highly innovative diagnostic tools to
evaluate a wide range of pediatric cardiac
problems, including congenital and
acquired abnormalities. We apply
noninvasive tools such as computed
tomography, 3-D echocardiography,
and magnetic resonance imaging
technology. In performing thousands
of evaluations each year, and diagnosing
a wide variety of conditions (including
some of the most severe cardiac cases),
our specialists have become some of the
most experienced in the United States.

- Cardiac Catheterization Labs
In our state-of-the-art, fully digital
facilities, we continually advance the
use of catheters both as diagnostic tools
and as minimally invasive devices for
repairing hearts and arteries, including
closures of ASDs, VSD, and PDAs.
In the fiscal year ending June 30, 2009, we
performed more than 650 catheterizations.
The interventional cardiology team is
supported by highly skilled, dedicated
pediatric cardiac anesthesiologists who
are experts in administering precisely
controlled sedation with the goal of
ensuring a safe and pain-free experience
for each patient.

- Cardiac Intensive Care Unit
In our Cardiac Intensive Care Unit
(CICU), trained cardiac intensivists lead
the physicians of our Heart Center team,
coordinating the efforts of cardiac
surgeons and cardiologists. Equipped
for advanced electronic monitoring and
record keeping, the unit meets the needs
of complex cases with features like
specially designed beds that, in an
emergency, save precious time by enabling
surgeons to operate in the CICU.

“I THANK YOU FOR DIRECTING
AN INSTITUTION WITH SUCH
DIGNITY, AND FOR THE
ADMINISTRATIVE PERSONNEL,
EQUIPMENT, AND ADVANCED
TECHNOLOGY THAT WAS USED
TO ATTEND TO MY BABY.
IN JUST 10 DAYS HE WAS
SEEN, UNDERWENT SURGERY,
AND SENT HOME; FOR MY
FAMILY THIS IS THE BEST THING
THAT COULD’VE HAPPENED.
THANK YOU TO THE DOCTORS
AND THEIR TEAMS. THEY WERE
ALL VERY PROFESSIONAL
AND COMPASSIONATE.”
— THE HERNÁNDEZ FAMILY
At Children’s Hospital of Pittsburgh of UPMC, the Child Neurology and Pediatric Neurosurgery divisions offer many comprehensive multidisciplinary programs and treatment options to help patients afflicted with a variety of neurological disorders.

Child Neurology evaluates and manages children with disorders of the brain, spinal cord, nerves, and muscles. We deal with hundreds of disorders of infancy, childhood, and adolescence, including seizures and epilepsy, headache, weakness, disorders of speech and gait, and tics. Pediatric Neurosurgery provides internationally recognized care for infants, children, and young adults with diseases of, or injuries to, the brain or spinal cord. Our board-certified pediatric neurosurgeons offer leading-edge treatments and highly accurate diagnostic methods.

- **Child Neurology Division**
  The Child Neurology Team consists of physicians, nurse practitioners, physician assistants, nurses, social workers, and research specialists. The division directs an electroencephalography lab (EEG), electromyography lab (EMG), and Epilepsy Monitoring Unit (EMU). It is closely affiliated with imaging specialists utilizing CT, MRI, MRA, MRS, SPECT, PET, and MEG. We offer specialized clinics in epilepsy, epilepsy surgery, vagal nerve stimulator, neuromuscular disease, BOTOX®, inflammatory brain and spinal cord disease, neonatal neurology, metabolic brain disease, mitochondrial disease, tics, Tourette syndrome, movement disorders, developmental disorders, neurofibromatosis, tuberous sclerosis, ketogenic diet, and stroke. Each year we care for more than 12,000 infants, children, and adolescents in the outpatient clinic. We also admit or consult on 2,700 inpatients and perform 4,000 EEGs, 1,800 video EEGs, and 150 EMGs.

- **Pediatric Neurosurgery Division**
  The Pediatric Neurosurgery Division conducts programs in neuro-oncology, spasticity and movement disorders, the Endoscopic Endonasal Approach, and pediatric epilepsy surgery. The neuro-oncology program provides comprehensive, multidisciplinary care for patients with brain and spinal cord tumors, working closely with our oncology and radiation therapy programs. The spasticity and movement disorders clinic sees patients who may be candidates for oral medications, intrathecal baclofen, BOTOX, selective dorsal rhizotomy, deep brain stimulation, and orthopaedic procedures. We evaluate and treat children and young adults with movement disorders such as spasticity, dystonia, athetosis, chorea, and tremor. For epilepsy patients whose seizures medication cannot control, our Pediatric Epilepsy Surgery Program offers hope in the form of comprehensive evaluation and surgical options.
OUTCOMES: BRAIN

Our experience and innovation have led to a continued rise in positive outcomes in minimally invasive skull base and epilepsy surgery.

We apply a revolutionary alternative to traditional pediatric skull base surgery, which once involved protracted recovery and potential harm to growth plates, nerves, and arteries. By pioneering the Endoscopic Endonasal Approach in pediatric applications, we have opened a new era of minimally invasive skull base surgery, and have one of the most experienced pediatric programs in the country, having performed more than 100 procedures.

In our Pediatric Epilepsy Surgery Program, each child receives a comprehensive evaluation that includes EEG monitoring and state-of-the-art imaging to pinpoint the origin of seizures. Surgical options include removal of brain tissue that is producing seizures or implantation of a vagus nerve stimulator (VNS) to control seizures. Surgical outcomes are typically excellent, and most patients experience either complete resolution of seizures or significant decreases in seizure frequency.
WHERE ARCHITECTURE MEETS peace of mind
Extending a tradition of pediatric care that dates back to 1887, we’d like to welcome you to our new home. In 2009, we completed a spacious urban campus that houses both a technologically advanced hospital and the fastest growing pediatric research center in the United States.

**FACILITY**
Architecture is part of the healing process in our innovative 296-bed hospital. Our facility sets new benchmarks for privacy, choice, and comfort. Airy, playful in spirit, and flooded with natural light, the hospital provides calm public spaces where patients, families, and visitors can find respite from clinical routines. A broad, indoor “town square” features one of the nation’s largest Family Resource Centers. Covering more than 20,000 square feet, the Resource Center includes a lounge, computer work stations with Internet access, libraries, and other conveniences to ease the journey toward well-being.

**TECHNOLOGY**
The impact of technology on quality of care, safety, and cost was a crucial element in planning our hospital. The results are visible everywhere: Operating suites tailored for minimally invasive surgery. Neonatal, Cardiac, and Pediatric Intensive Care Units equipped with digital “dashboards” and wireless links to pocket-sized monitors. Cardiac catheterization labs adapted for imaging, biopsies, and therapies in newborns. And thousands of computers and wireless access points that support a fully integrated electronic health information system called Children’s eRecord.

**RESEARCH**
Because ideas that lead to laboratory breakthroughs often start with the children who come to us for care, we maintain close connections between our clinical and our research activities. In fact, one of the world’s largest pediatric research facilities, the new John G. Rangos Sr. Research Center, is a significant feature of our campus. Inside this 10-story complex, hundreds of studies, representing millions of dollars in National Institutes of Health grants, are expanding pediatric knowledge in disciplines that range from neuroscience to immunosuppression and molecular and cellular biology.

For a city once known as a smoky industrial center, today’s Pittsburgh is surprisingly green. Children’s Hospital of Pittsburgh of UPMC is one of the many examples of environmentally friendly architecture in the region. The primary structures on our campus are LEED (Leadership in Energy and Environmental Design) certified by the U.S. Green Building Council for factors including water and energy conservation, garden spaces, locally produced or recycled building materials, and low-VOC sealants, adhesives, paints, and carpets.
The day-to-day Children’s Hospital of Pittsburgh of UPMC PassportCare experience will change your entire concept of a hospital stay. Patients, physicians, nurses, administrators, staff members, architects, and builders all collaborated to make our campus a warm and welcoming place where we can evolutionize pediatric care.

A place that helps healing happen.

PATIENT SAFETY
On our new campus, and in everything we do here, the safety of the patient comes first. That’s why we’re one of the first pediatric hospitals in the United States to replace handwritten orders with electronic medical records. At the moment of admission, for example, we give each patient a bar-coded identification band. All through the hospital stay, each time a provider administers a medication, the bar code is scanned, confirming the correct patient, drug, dose, route, and time. A wireless network links bar codes and prescriptions to health records, while a campus-wide cellular phone system helps every staff member stay in touch without interruption.

PRIVACY AND QUIET
One of the first things you’ll notice is the lack of typical hospital commotion. Research shows that low noise levels reduce stress, promote healing, and help people work more effectively. Our hospital employs a number of measures aimed at reducing noise, including architectural sound insulation and special soft-wheeled medication carts. Silent personal pagers take the place of clamorous public address speakers. Pass-through serving hatches allow for the quiet exchange of meal trays and other items, reducing foot traffic, interruptions, and potential infection.

FAMILY COMFORT
When family members feel at home, their positive attitudes can encourage a patient’s progress toward recovery. That’s why our campus supplies amenities that help ordinary life go on. In most cases, private rooms are the rule, and the comfortable family accommodations of Pittsburgh’s Ronald McDonald House are just a few steps down an interior walkway from the hospital. In most patient rooms, convertible seating gives one or two parents the choice of sleeping near their child.

Children’s Hospital of Pittsburgh of UPMC is a place where parents and patients can concentrate on what matters most: healing.

MoodLifters
The outdoors can be good for the inside of a child — or anyone else in the family. That’s why we planned the Howard Hanna Healing Garden. It offers a quiet escape to the open sky and greenery of a secluded fresh-air terrace. Meanwhile, back indoors, you’ll find spaces brightened by murals, sculptures, mosaics, and nature-inspired details. Lighthearted color schemes, furniture, and signage all add positive energy. We’ve even made our diagnostic areas relaxing and engaging — like the CT suites that feature adventure-themed decor and optional entertainment systems.
FAMILY-CENTERED care

Hospital stays are easier to manage when families have everyday choices and diversions. From kid-friendly diagnostic suites to playrooms on every patient floor that overlook the lofty Eat’n Park Atrium, this hospital offers patients and family members many opportunities to get their minds off their hospital stay. There’s a music room and a classroom where patients and their siblings can study. Adolescent patients can entertain themselves in a teen lounge equipped with computers, video games, and age-appropriate reading material. Parents and visitors can visit a nondenominational chapel, a library, or a business center without ever stepping off-campus.
YOU WON’T BE ALONE

We’ll be with you, and your child, every step of the way. From the earliest stages of admission through surgery and recovery, you can depend on us to talk with you openly, and to take a personal interest in the physical, emotional, social, educational, and financial challenges you face. And when it’s time to take your child home, our team of experts will teach you everything you need to know about recovery for child and caregiver alike.
When you’re far from home, factors like travel, housing, and language — in addition to your clinical concerns — can make life complicated. Because we understand that you have nonmedical needs, too, we’ve created a helpful Clinical Concierge Services (CCS) team as an integral part of Children’s Hospital of Pittsburgh of UPMC PassportCare.

SIMPLIFYING YOUR LIFE
Even before you arrive in Pittsburgh, a conversation with a CCS team member can define what you will need, and he or she can initiate any special arrangements. During your stay, we will keep you supplied with information and resources to support the best possible experience. In an emergency, your CCS contact will be available 24 hours a day, seven days a week. And when you return home, you will still have someone to facilitate clinical and administrative dealings with Children’s Hospital of Pittsburgh of UPMC.

OUR SERVICES
Our goal is to help you keep your mind on your child by taking care of the nonmedical details:

● Translation
We make communication easy in any language among patients, families, doctors, caregivers, and hospital staff. That includes translating forms, questionnaires, and other documents. Every CCS team member is fluent in at least one language other than English. Further, our diverse assembly of doctors and staff includes many native speakers of non-English languages, and Pittsburgh has a rich and varied international population.

● Hospitality
Helping you find housing that suits your needs, either on campus or nearby, is part of our job, as is recommending restaurants and other amenities.

● Transportation
We can arrange transportation between Pittsburgh International Airport and Children’s Hospital, and provide local directions for recreation, shopping, or other activities.

● Administration
Helping you navigate the business of an extended hospital stay can mean scheduling appointments and tests; guiding you through registration and admission; interpreting information about costs, billing, and insurance; and relaying reports of your child’s progress to your physician back home.

● Religion and Culture
If you would like our help, we can introduce you to local religious communities who share your beliefs, make social connections with members of our region’s many ethnic groups, or arrange menus that reflect special religious or cultural considerations.
Pittsburgh’s skyline is lively and dramatic, but compact enough to take in at a glance. The distinctive, triangular downtown is framed by broad rivers, the Allegheny and the Monongahela, which meet to form one of the nation’s great waterways, the Ohio. Hundreds of bridges span rivers and valleys, accenting vistas that few cities can match. Draped in lush greenery during the spring and summer months, the closely packed hills blaze with color in the fall.

Pittsburgh: a welcoming kind of city

A safe, sophisticated, neighborly city, Pittsburgh was rated the most livable city in the United States by The Economist magazine in 2009.

- Cosmopolitan Flavor
  Varied in character and walkable in scale, most of Pittsburgh’s neighborhoods date back to a time when a flourishing steel industry drew workers from across the world. Today, long-established families live side-by-side with professionals who work in the region’s newly thriving education, technology, and health care fields. Many of these academics, engineers, and physicians are new to the United States. Diversity — of national origin, culture, and employment — is one of the keys to Pittsburgh’s famously friendly character.

- Essentials and Amenities
  The Children’s Hospital of Pittsburgh of UPMC campus stands in Lawrenceville, one of the city’s oldest neighborhoods. In recent years, historic homes here have been renovated, and boutiques, galleries, restaurants, and coffee shops have sprung up. If you have time for wider exploration, or seek activities to keep a sibling occupied, you’ll find plenty of options close by. Pittsburgh maintains an extensive system of parks and riverfront trails where children can play and adults can unwind. On the busy rivers, hardworking barges mix with pleasure craft and excursion boats.

  The world-recognized dinosaur and art collections of the Carnegie Museums of Pittsburgh are part of a network of cultural treasures ranging from the Andy Warhol Museum to the Senator John Heinz History Center and the August Wilson Center for African American Culture. Home to a distinguished symphony orchestra, opera company, and ballet troupe, Pittsburgh also offers theater; professional football, baseball, and ice hockey; and a colorful traditional amusement park. The Cultural District is packed with theaters, arts venues, and restaurants. Local houses of worship serve most of the world’s faiths.
PITTSBURGH SNMPHT

LOCATION: Eastern United States; southwest corner of the Commonwealth of Pennsylvania
PRIMARY AIRPORT: Pittsburgh International Airport, approximately 10 miles (16 km) from Children’s Hospital
POPULATION: City, 312,000; 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)
HISTORY: Region inhabited by native Americans as early as 14,000 B.C. Explored by the French in 1669. Played a part in colonial wars between France and England in 18th century. Became global center of steel production and heavy industry in 19th and 20th centuries.
ECONOMIC BASE: Health care, higher education, technology, and finance
In summary, we accept the most complex and difficult cases, and our patient survival rates for liver, intestine, heart, lung, and heart and lung transplantation are among the highest in the world. The steady rise of successful outcomes has made Children’s Hospital of Pittsburgh of UPMC a leading choice for families and referring physicians — in the United States and abroad — when children need critical care.

We invite you to tell us about your child’s condition, and to learn how our work in pediatric transplantation, cardiology, or the neurosciences could offer hope and health.

For guidance in beginning a relationship with Children’s Hospital, or for more information about our capabilities and family-friendly facilities, please call Clinical Concierge Services at 1-866-613-2957 or 412-692-3000.

You can e-mail us at clinical.concierge@chp.edu or visit us online at www.chp.edu/ccs.