



**Children's
National®**

GLOBAL SERVICES

Committed to Children
Around the World

Children's National Hospital | Washington, D.C., USA

WHO WE ARE



HISTORY

Children's National Hospital located in the heart of Washington, D.C., is the country's third oldest non-profit pediatric hospital. With a proud and storied history that began as a 12-bed hospital, Children's National has dutifully cared for the nation's sick children since it opened its doors in 1870. Today, that same hospital is now a 323-bed quaternary teaching pediatric medical center, which houses more than 850 dedicated pediatric physician experts across 60 specialties.

FACILITIES

In addition to the main hospital, the Sheikh Zayed Campus for Advanced Children's Medicine, Children's National is home to numerous institutes that include, but are not limited to:

- the Sheikh Zayed Institute for Pediatric Surgical Innovation
- the Brain Tumor Institute
- the Children's National Heart Center
- the Gilbert Family Neurofibromatosis Institute



RESEARCH

Children's National Research Institute (CNRI), the academic arm of Children's National Hospital, is home to nationally and internationally recognized researchers who manage more than 2,000 clinical research projects. The Children's National Research & Innovation Campus is a first-of-its-kind pediatric hub dedicated to developing new and better ways to care for kids. It serves as the home to Children's National researchers and other partners.





EDUCATION

Children's National also serves as the primary pediatric teaching hospital for the George Washington University School of Medicine, and receives students from both Howard University College of Medicine and Georgetown University School of Medicine. All of Children's National medical faculty hold academic appointments at these schools, serving as the teachers for the next generation of pediatric physicians.



RECOGNIZED LEADERS IN PEDIATRIC CARE

ONE OF THE TOP CHILDREN'S HOSPITALS

Children's National is one of the top 10 children's hospitals in the United States and is ranked in 10 specialties evaluated by U.S. News & World Report.



EXCELLENCE IN NURSING

Designated four times as a Magnet® hospital, a designation given to hospitals that demonstrate the highest standards of nursing and patient care delivery.



LEADERS IN RESEARCH & INNOVATION

More than 2,000 active clinical research projects, funded by federal agencies including the National Institutes of Health (NIH), corporate partners, individuals and more.





Accelerating
medical solutions
through pioneering
research and
innovative clinical
applications



CHILDREN'S NATIONAL RESEARCH INSTITUTE

At the Children's National Research Institute (CNRI), new ground is broken every day in the field of pediatric medicine, across six integrated research centers:

- Cancer and Immunology
- Health Outcomes Research & Delivery Science
- Neuroscience
- Pediatric Surgical Innovation
- Precision Medicine and Genomics Research
- Prenatal, Neonatal and Maternal Health

More than 500 industry-leading research faculty at Children's National seek to combat some of childhood's most devastating diseases from every angle – harnessing technology, biology and pharmacology to advance treatments, improve diagnostics and innovate cutting-edge health care solutions.

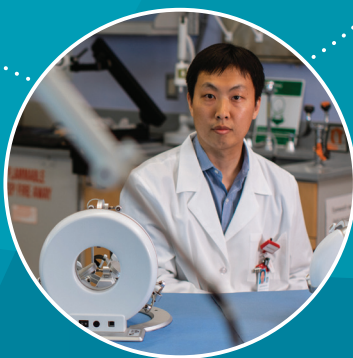
SHEIKH ZAYED INSTITUTE FOR PEDIATRIC SURGICAL INNOVATION

Children's National also houses the pioneering Sheikh Zayed Institute for Pediatric Surgical Innovation, which strives to transform pediatric surgical intervention by making surgery more precise, less invasive and pain free – with a focus on improved outcomes and less recovery time.



RESEARCH PROGRAM HIGHLIGHTS

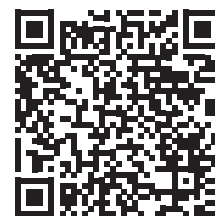
NEONATAL LAPAROSCOPIC SURGERY: using a minimally invasive surgical technique, for infants born with a defect or abnormality, resulting in less pain and a shorter recovery period for the child.



CELLULAR THERAPY: this novel therapy trains a child's immune system to fight cancer and infections with the use of specially engineered T-cells



HIGH-INTENSITY FOCUSED ULTRASOUND (HIFU) FOR PEDIATRIC OSTEOID OSTEOMA: a precise and controlled method to destroy bone tumors with incisionless surgery.



Listen to **The Lead in Peds**, a podcast offering listeners a deeper understanding of pediatric research on topics like cardiology, behavioral health, surgical innovation, artificial intelligence and more.



NURSING EXCELLENCE

Children's National nurses exemplify compassion, commitment and connection across the organization to provide world-class care. As a Magnet®-designated organization, these nurses are leading and transforming the professional practice of nursing through advances in care delivery, evidence-based practice, interprofessional collaboration, and engaging in research and innovation.

Children's National nurses commit to the care of children and their families, improve patient outcomes and link research and science to the evidence-based care they provide. The Children's National professional practice model places utmost importance on the well-being of nurses, patients, families, and communities. Through a culture of collaboration and respect, nurses work alongside all healthcare team members to elevate care quality and enrich the patient and family experience.

Nurses at Children's National demonstrate collaborative partnerships as an important component in advancing care; and collaborate with patients and families, interprofessional colleagues, members of the community, government and external organizations to advocate and advance health and well-being.

Nurses engage in shared decision-making to advance care and value professional development as a means toward world-class care. Children's National nurses achieve advanced education degrees, as well as extensive specialty professional certifications, and are well-positioned to lead evidence-based and innovative improvements in safe, high-quality patient care.



NURSING RECOGNITIONS:

In recent years, Children's National has had nurses recognized by organizations such as American Nurses Credentialing Center, the American Organization of Nurse Leaders, the DAISY Foundation and the Pediatric Cardiac Intensive Care Society.

MAGNET®:

Children's National has been a Magnet® designated hospital since 2010, achieving a fourth designation in 2025. This achievement demonstrates a sustained commitment to nursing excellence and recognizes hospitals that provide safe, high-quality care and attract the most talented nurses. Only 10 percent of hospitals in the United States receive this designation, and even less pediatric hospitals.



More than 90% of Children's National nurses have a baccalaureate or higher degrees in nursing.

More than 55% of eligible Children's National clinical nurses are certified in their specialty area by a nationally or internationally recognized professional organization.

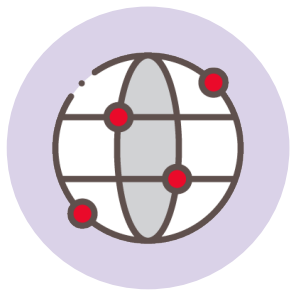
Children's National had 28 research studies with nurse principal investigators, co-investigators or site-principal investigators in 2024.

Children's National is proud to have eleven nurse leaders who have been named as American Academy of Nursing Fellows, demonstrating a deep commitment the nursing excellence.

A photograph of a female nurse with dark hair, wearing a pink V-neck scrub top, smiling warmly at a newborn baby she is holding. The baby is wearing a white onesie with colorful letters and has a clear nasal cannula taped to its face. The nurse's left wrist has a black smartwatch. A teal circular graphic is overlaid on the bottom left of the image, containing a quote. The background shows a hospital room with a bed and some equipment.

"What nurses do is extraordinary. Every single action by a nurse impacts the patient's outcome. At Children's National the professional practice of nursing results in improved patient experience, optimal health outcomes, and a lower risk of complications. We take that responsibility seriously, and we consider it a privilege to care for our patients and families."

- Tara Floyd, MPH, BSN, RN, NE-BC,
Vice President and Associate
Chief Nursing Officer



GLOBAL SERVICES: SERVING THE WORLD

The Global Services Department has welcomed thousands of patients from around the world seeking remote second opinions or medical care in the United States.

At Children's National Hospital, our Global Services Department is dedicated to making the patient journey as seamless and supportive as possible—while also building lasting partnerships that strengthen pediatric health systems worldwide. From a family's first contact to their return home, our experienced team provides a single point of coordination for clinical care and logistics, ensuring that each child's cultural, linguistic and religious needs are honored.

Our team is comprised of:

- Medical Director
- Nurse Practitioner & Navigator
- Health Systems Expert
- International Patient Care Coordinator
- Medical Interpreter
- Patient Financial Coordinator

GLOBAL AMBASSADORS

With representatives in the UAE, Kuwait and Peru, our Global Ambassadors serve as local guides and trusted liaisons. They connect families, physicians and payers to Children's National, ensuring smooth referrals and continuity of care.

THE NATION'S CAPITAL

Our campus in the heart of Washington, D.C., provides families with access to the country's richest cultural experiences while receiving care at Children's National. Washington, D.C., is a cosmopolitan center that still retains a small-town ambience and offers a variety of choices for our traveling patients, from hotel accommodations to restaurants and attractions.



"Children's National exceeded my expectations. They were very hospitable. We were well received; we were welcomed. You can find everything you're looking for and more!"

— Parent of a Global Services patient

INTERNATIONAL PATIENT JOURNEY

EXTENDING EXPERTISE BEYOND BORDERS

Children's National is continually expanding access to world-class pediatric care by leveraging technology, innovation and global partnerships. Our team is ready to bring advanced care and education to communities worldwide and support providers in a shared vision of helping children by:

- Providing timely and accessible care across borders
- Offering highly specialized pediatric expertise not commonly available in many countries
- Serving as an educational and advisory resource for referring physicians and health systems abroad
- Leveraging digital health, telemedicine and remote monitoring to connect families and clinicians with our experts

SERVICES FOR OUR INTERNATIONAL PARTNERS

- Medical Training & Education
- Remote Second Opinion Program
- Digital Health and Telehealth Partnerships
- Virtual Grand Rounds
- Visiting Physician Program
- ICU Remote Monitoring
- Advisory Services for Health System Strengthening

In 2024 the
**GLOBAL SERVICES
PROGRAM**
coordinated care for



from
52
countries

over **425**
international
patients

resulting in over
6,000
appointments

1.

BECOMING A PATIENT



- Fill out our International Patient Access Form online or contact us at GlobalServices@ChildrensNational.org or (202) 476-5779.
- Our team will facilitate the care coordination beginning before you travel.
- Our finance team creates estimates, verifies insurance and connects with sponsors for coverage eligibility.
- Throughout this process, our team provides expedited access to top physicians in their field of expertise.

2.

DURING TREATMENT



- Designated care coordinator assigned to each patient to facilitate all aspects of the treatment journey.
- State-of-the-art diagnostic equipment used by renowned experts to provide the most advanced treatments available.
- Patient-Family Centered Care approach where senior physicians partner with families to create an individualized treatment plan for your child.



3.

RETURNING HOME

- We deliver a seamless transition to the patient's local pediatric care provider to ensure continuity of care.
- Patient receives a comprehensive digital record that is also shared with their local health care team.
- Our team serves as an ongoing resource for patients through our telehealth or remote medical second opinion program to ensure a continuum of care for life.

**CLINICAL
SPECIALTIES
AT CHILDREN'S
NATIONAL**

**SEARCH
FOR AN EXPERT
WITH OUR FIND
A DOCTOR
TOOL**

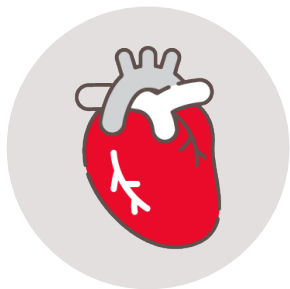




CLINICAL SPECIALTIES AND PROGRAMS

Children's National physicians are pediatric subspecialists with specific areas of interest and expertise. Below is a listing of some of our divisions and programs.

- Adolescent and Young Adult Medicine
- Allergy and Immunology
- Cancer and Blood Disorders Center
 - Blood and Marrow Transplantation
 - Hematology
 - * Comprehensive Sickle Cell Disease Program
 - Oncology
 - * Brain Tumor Institute (Neuro-oncology)
 - * Cellular Therapy Program
 - * Leukemia and Lymphoma Program
 - * Solid Tumor Program
 - * Radiation Oncology Program (including proton beam)
 - Pathology and Laboratory Medicine
- Neuroscience and Behavioral Medicine Center
 - Epilepsy and Neurophysiology
 - Hearing and Speech
 - Neurodevelopmental Pediatrics
 - Neurofibromatosis Institute
 - Neurogenetics
 - Neurology
 - Neuropsychology
 - Neurosurgery
 - Physical Medicine and Rehabilitation
 - Psychiatry and Behavioral Sciences
 - Psychology and Behavioral Health
- Children's National Heart and Lung Center
 - Cardiac Anesthesiology
 - Cardiac Critical Care
 - Cardiology
 - * Advanced Cardiac Therapies and Heart Transplant Program
 - * Electrophysiology Program
 - * Fontan Program
 - * Interventional Cardiology Program
 - Cardiac Surgery
 - * Congenital Heart Defect Surgery, including:
 - o Aortic valve stenosis repair
 - o Arterial switch operation (AS)
 - o Fontan
 - o Glenn procedure
 - o Hypoplastic Left Heart Syndrome, including hybrid palliation
 - o Hypoplastic Right Heart Syndrome
 - o PAVC repair
 - o Tetralogy of Fallot repair
 - o Transposition of the great arteries repair
 - * Advanced Cardiac Therapies and Heart Transplant Program
 - * Ventricular Assist Devices Program
- Child and Adolescent Protection
- Complex Care
- Critical Care Medicine
- Dentistry (Oral Health)
- Dermatology
- Diagnostic Imaging and Radiology
 - Neurointerventional Radiology
- Endocrinology and Diabetes
- Hospital Medicine
- Infectious Disease
- Neonatology
- Nephrology
- Pharmacy
- Prenatal Pediatrics Institute
 - Prenatal and Neonatal Neurology
 - Prenatal Cardiology
- Primary Care
- Pulmonary and Sleep Medicine
- Rheumatology
- Joseph E. Robert Jr., Center for Surgical Care
 - Anesthesiology, Pain and Perioperative Medicine
 - Bariatric Surgery Program
 - Colorectal and Pelvic Reconstructive Surgery
 - Ear, Nose and Throat (Otolaryngology)
 - Gastroenterology, Hepatology and Nutrition
 - General and Thoracic Surgery
 - Ophthalmology
 - Orthopaedic Surgery and Sports Medicine
 - * Bone Health Program
 - * Hand Program
 - * Hip Program
 - * Limb Lengthening Program
 - * Spine Program
 - * Trauma Program
 - Plastic and Reconstructive Surgery
 - * Cleft Lip and Palate Program
 - * Craniofacial Program
 - Trauma and Burn Surgery
 - Urology
- Transport Medicine



Children's National Heart and Lung Center is consistently recognized among the best cardiology and cardiovascular surgery programs in the United States. The Center features specialists with expertise in the full spectrum of pediatric heart care, treating even the most complex forms of congenital and acquired heart disease. Our Heart Center cares for thousands of patients every year, ranging from babies in the womb to adults with congenital heart defects.

CARDIOLOGY AND CARDIAC SURGERY

Children's National Heart and Lung Center

AT THE FOREFRONT OF PEDIATRIC CARDIAC TECHNOLOGY

Children's National offers the most sophisticated imaging techniques to provide intricately detailed pictures of the heart and its functions, leading to more accurate diagnosis and treatment, including echocardiography, cardiac MRI and our unique Interventional Cardiac MRI (ICMR) Program.

Pioneered at Children's National Heart and Lung Center, the ICMR Program combines MRI and cardiac catheterization technologies, allowing the Institute's specialists to obtain detailed diagnostic images and perform cardiac catheterizations in the least invasive, safest way possible.



PIONEERING THE WAY IN CONGENITAL HEART DEFECT SURGERY

Children's National surgeons are internationally recognized experts in complex congenital heart surgery and early primary repair. The team of world-class surgeons have been responsible for pioneering some of the most innovative treatments and procedures in the field, leading to some of the best heart surgery outcomes in the nation.

More than two-thirds of surgeries at our center are performed on children less than one year old, and half of these are for newborns less than one month old – which require the most advanced techniques and abilities. Children's National surgeons are committed to advancing surgical care for the smallest and sickest patients through groundbreaking research and cutting-edge technological breakthroughs.

Children's National Heart and Lung Center also houses an elite Ventricular Assist Devices (VAD) Program, offering the next generation of lifesaving technology. Moreover, CNHL provides comprehensive care for children with heart failure through its Advanced Cardiac Therapies and Heart Transplant Program.

COMPREHENSIVE CARDIAC CARE, FROM THE WOMB TO ADULthood

The team at Children's National cares for children with congenital heart disease (CHD) from before birth through adulthood and all along the way. Advanced fetal cardiology experts provide diagnosis and comprehensive, specialized care for unborn children with heart conditions in our Prenatal Cardiology Program. They work hand-in-hand with obstetricians, maternal fetal medicine specialists and cardiac surgeons to plan for delivery and postnatal care. Once your child is born, these same specialists transition to become your child's pediatric cardiologists.

Children's National also provides specialized care for adults with congenital heart disease through the Washington Adult Congenital Heart (WACH) Program, a collaborative partnership with MedStar Washington Hospital Center.



"Words of praise just can't do [Dr. d'Udekem] justice!... He brought our son back to us the way we wished him to be. I can't thank him enough... We were very lucky that our son got to be in such good hands."

— Parent of a Global Services patient



COLORECTAL & PELVIC RECONSTRUCTION

Colorectal & Pelvic Reconstruction provides cutting-edge diagnosis and treatment for every type of colorectal disorder that can occur in infants, children and adolescents, from the most common to the most complex.

OUR UNIQUE APPROACH TO PEDIATRIC COLORECTAL DISORDERS

Our division is led by world-renowned pediatric colorectal surgeon, Marc Levitt, MD, who has expertise in treating the full spectrum of pediatric colorectal conditions and has performed over 10,000 surgeries—more than any other surgeon trained in pediatric colorectal surgery worldwide.

Our multidisciplinary pediatric colorectal division integrates services across all the specialties that provide care for colorectal conditions in children. Colorectal procedures are often combined with urologic and gynecologic procedures to minimize the amount of surgeries a child may require.

As the only pediatric colorectal and pelvic reconstruction division in the United States with this level of expertise, there are many reasons to choose Children's National for your child's treatment and care. We offer:

- Access to the most experienced and renowned pediatric colorectal specialists in the field
- Exceptional surgical expertise for even the most complex colorectal disorders
- Dedicated, compassionate nurses who are specially-trained in caring for patients with complex pediatric colorectal disorders
- The latest advanced diagnostic and surgical treatment, using minimally invasive techniques
- A comprehensive Bowel Management Program to help achieve optimal bowel function

PEDIATRIC COLORECTAL CONDITIONS

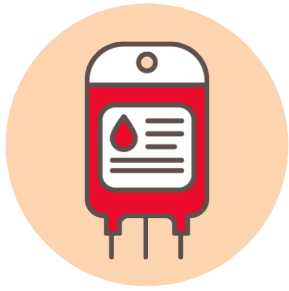
Understanding your child's conditions is an important step on your treatment journey. Our team treats every type of colorectal condition, with a special focus on:

- Anorectal malformations
- Chronic constipation, fecal incontinence and motility problems
- Cloacal malformations
- Fecal and urinary incontinence related to the spine
- Hirschsprung disease



"Somehow [Dr. Levitt] and his team managed to over-deliver [on] our already very high expectations. And Global Services helped a lot in making things go as smoothly as possible logistically. We are thrilled with our experience here, and with our baby's surgery result. She feels happy and energetic and was in almost no pain soon after surgery."

— Parent of a Global Services patient



HEMATOLOGY

Children's National Cancer & Blood Disorders Center

The Children's National Hematology Division is one of the largest pediatric hematology programs in the country. Our pediatric hematology specialists are recognized leaders in the field, which helps us deliver advanced care for conditions like anemia, hemophilia and histiocyte disorders. In addition, we provide comprehensive care for children with sickle cell anemia and cutting-edge treatments for individuals with thrombosis disorders.

DELIVERING ADVANCED CARE FOR THE RAREST BLOOD DISORDERS

The Division of Hematology at Children's National is one of the largest pediatric hematology programs in the United States, providing specialized, multi-disciplinary care to pediatric patients from around the world.

Our blood disorders programs include:

- Blood and Bone Marrow Transplant
- Comprehensive Hemostasis and Thrombosis Program
- Comprehensive Sickle Cell Disease Program
- Histiocyte Disorders Program
- Therapeutic Apheresis Program

Treating more than 1,400 children annually, Children's National houses one of the largest sickle cell programs in the country, offering groundbreaking solutions for patients with all types of sickle cell diseases.

Children's National is one of the first pediatric hospitals to offer sickle cell disease patients a chance at a cure with Haploidentical Hematopoietic Stem Cell Transplantation. Through this process of bone marrow transplantation, physicians can effectively cure this often-debilitating disease.

Additionally, the Comprehensive Hemophilia and Thrombosis Center at Children's National treats nearly 300 children and teens with bleeding, clotting and platelet disorders each year, using advanced treatments, such as minimally invasive clot busting technology.

PIONEERING RESEARCH AND CLINICAL TRIALS

Children's National experts play an active role in innovative and prestigious clinical trials to advance the science of pediatric cancer care. In addition to our membership in multiple clinical research consortia, we offer access to novel cancer clinical trials, some of which are only available at Children's National.





Consistently recognized by U.S. News & World Report, the Children's National Division of Neonatology has a Level IV NICU, offering the highest level of care for premature and ill newborns.

NEONATOLOGY

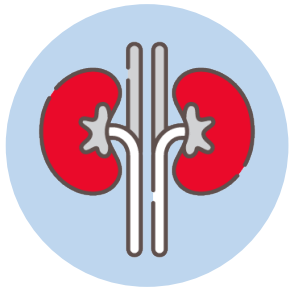


At Children's National Hospital, the Division of Neonatology is dedicated to providing the highest level of expert, compassionate care for your newborn baby. Our division possesses the top neonatologists in the U.S. and has a Level IV neonatal intensive care unit (NICU), administering the most advanced treatments to our tiniest patients.

We know that having a baby with complex conditions can be difficult for you and your family, and we're here to support you through every step of your journey. Our team is uniquely qualified to treat your baby with the most innovative therapies available, encompassing a multidisciplinary team from over 15 pediatric specialty services.

HIGHLIGHTS OF OUR PROGRAM INCLUDE:

- **Level IV NICU.** Children's National has one of the only Level IV NICUs in the Washington, D.C., area, offering the highest level of care for premature and ill newborns.
- **High-risk prenatal care.** Our Prenatal Pediatrics Institute team specializes in high-risk pregnancies – diagnosing your baby in utero (in the womb) and providing a treatment plan for delivery and after birth.
- **BPD: Bronchopulmonary Dysplasia.** The multidisciplinary bronchopulmonary dysplasia (BPD) team at Children's National includes specialists in pulmonary medicine, pulmonary hypertension and neonatology all focused on babies with severe, chronic lung disease.
- **ECMO breathing therapy.** In 1984, Children's National became the first children's hospital to offer extracorporeal membrane oxygenation (ECMO), which acts as an artificial set of heart and lungs for critically ill infants. Our program is now one of the largest in the country for infants and is designated as an ECMO Center of Excellence.
- **Special monitoring for brain health.** The Neonatal Neurology and Neurocritical Care Program offers patients access to neonatal neurologists who regularly monitor developmental progress and research brain injury prevention and management.
- **Child development program.** Our Child Development Clinic evaluates more than 1,500 children each year, ranging in age from birth to 4 years old. Our specialists will work with you to address developmental concerns.
- **Family support.** We offer a full range of support services to help ease the stress on your family during your baby's hospital stay. You'll have access to a dedicated care team consisting of a family support specialist, social worker, case manager and child life specialist who will follow your family throughout your time in the NICU.



The **Division of Nephrology at Children's National** is ranked among the top kidney programs in the nation by U.S. News & World Report, reflecting our commitment to providing the highest quality care for patients. Our nephrologists diagnose and treat children with kidney conditions at every stage, and we consistently offer innovative treatments.



NEPHROLOGY

The causes of kidney disease are varied in children and so is the impact that these diseases have on the normal functioning of the body. Our pediatric nephrologists understand the best way to treat a growing child and how to establish a personalized treatment plan that will last through adolescence and adulthood.

KIDNEY TRANSPLANTS

The Division of Nephrology at Children's National has one of the most active kidney transplant centers in the United States, performing 15 to 20 kidney transplants every year. The program ensures seamless care before and after your child's procedure. In collaboration with the transplant surgery division of Georgetown University Hospital, we offer comprehensive care for donor and recipient evaluation, as well as long-term management of kidney transplants. Our multidisciplinary team guides patients through every stage of care and provides extensive education about the transplantation process and related testing. Patients meet with the program's medical and surgical directors, the transplant and financial coordinators, renal social worker and renal nutritionist, who can answer all questions related to the procedure and follow-up care.

DIALYSIS AND THERAPY SERVICES EXCLUSIVELY FOR CHILDREN

Children's National has a dedicated dialysis program exclusively for children. As one of several designated treatment programs offered in the division, the setting allows our doctors and nurses to provide medical care in a family-centered environment designed for children. We also provide essential support for families when a long-term healthcare plan is necessary, including training to conduct dialysis at home.

HYPERTENSION DETECTION AND TREATMENT PROGRAM

Our Hypertension Detection and Treatment Program is a specialized program in the Division of Nephrology that works closely with Children's Nuclear Medicine Program and the Division of Cardiology to perform a comprehensive diagnostic evaluation to understand the cause of a patient's elevated blood pressure. The staff of the program work closely with the families to educate them about lifestyle changes that can help control blood pressure. Children meet with a dietician during every visit to discuss food choices and dietary changes that can help improve health. Treatment for some forms of hypertension in children may require an interventional procedure, such as selective catheterization or angioplasty of the blood vessels of the kidney. If your child needs an interventional procedure, the program arranges for the procedure and follow-up care with our specialists.

CONDITIONS WE TREAT INCLUDE:

- Acute glomerulonephritis
- Acute renal failure
- Chronic glomerulonephritis
- Nephrotic syndrome
- Proteinuria and hematuria
- Urinary tract infections
- Chronic kidney disease
- Congenital kidney disease and malformations
- Hemolytic uremic syndrome
- Henoch-Schönlein purpura (HSP)
- Hypertension
- IgA nephropathy
- Hereditary renal diseases
- Obstructive uropathy
- Polycystic kidney diseases
- Systemic lupus erythematosus
- Vasculitis
- Kidney and bladder stones
- Fetal consults for families with babies suspected to have kidney problems in the antenatal period



Integrated within one of the largest neuroscience centers in the United States, the **Divisions of Neurology & Neurosurgery at Children's National** are among the top programs in the nation, as ranked by U.S. News & World Report.

NEUROLOGY AND NEUROSURGERY

Children's National Neuroscience and Behavioral Medicine Center

Neurologists at Children's National treat thousands of patients each year, caring for children with a range of neurological conditions: from the common to the most complex and critical.

At Children's National, cutting-edge research and highly specialized clinical care is combined to provide one of the most comprehensive pediatric neuroscience programs in the world, which includes the following sub-specialties:

- Brain Tumor Institute (Neuro-Oncology Program)
- Developmental Pediatrics and Neurogenetics
- Neurology
- Epilepsy, Neurophysiology and Critical Care Neurology
- The Gilbert Family Neurofibromatosis Institute
- Neuropsychology

RECOGNIZED LEADERS IN MINIMALLY INVASIVE NEUROSURGERY

One of the most active pediatric neurosurgery programs in the country, the Children's National Division of Neurosurgery offers the most sophisticated imaging and treatment technologies, to ensure the most precise, effective and minimally invasive procedures possible.

The Division of Neurology and Neurosurgery at Children's National is one of only two fully integrated pediatric programs in the United States to utilize deep brain stimulation (DBS) and Visualase® MRI-guided Laser Ablation, in addition to Responsive neurostimulation to treat children with movement disorders and epilepsy. Children's National is a leader in the use of Intraoperative MRI and laser ablation for minimally invasive treatment of complex brain tumors.

PIONEERING EXCELLENCE IN TREATMENT OF NEUROFIBROMATOSIS

The Gilbert Family Neurofibromatosis Institute at Children's National is leading the way in the diagnosis, evaluation and treatment of children and adults with the full range of conditions associated with neurofibromatosis type 1 and type 2.

The Institute is one of the largest of its kind in the world and is designated a Neurofibromatosis Center of Excellence by the Childhood Tumor Foundation. The Neurofibromatosis Institute has been chosen as one of eight initial programs in the United States to participate in the Neurofibromatosis Clinical Trials Consortium, allowing patients access to cutting-edge modalities and potential new treatments.





ONCOLOGY

Children's National Cancer & Blood Disorders Center

The Children's National Cancer & Blood Disorders Center has some of the world's leading experts in pediatric oncology and hematology, all dedicated to meeting the unique needs of children. The oncology division is consistently ranked among the best programs in the country by U.S. News and World Report. A multidisciplinary team of specialists collaborates to develop personalized treatment plans for each child that comes to Children's National.

over
150
active novel
oncology clinical
trials

Children's National Hospital offers patients and families access to innovative clinical trials for cancer and blood disorders, as well as for immunodeficiencies.



EXPLORE MORE
INFORMATION
ABOUT OUR
OPEN CLINICAL
TRIALS HERE

SPECIALIZED PROGRAMS AND EXPERTISE

Children's National offers multidisciplinary teams of specialists who are dedicated to specific diagnoses. Our team treats hundreds of new oncology patients each year. This high volume translates into an extensive level of expertise in both common and rare cancers. Clinical programs include:

- Brain Tumor Institute
- Leukemia and Lymphoma Program
- Solid Tumor Program
- Radiation Oncology Program, including proton therapy
- Cancer Genetics Program
- Blood and Marrow Transplantation Program
- Experimental Therapeutics Program



STATE-OF-THE-ART RADIATION ONCOLOGY AND PROTON BEAM THERAPY

Through a partnership with Johns Hopkins Medicine, Children's National patients have access to leading-edge radiation therapy. The Radiation Oncology Program provides clinically-integrated pediatric oncology services to both inpatients and outpatients through a seamless admission process. Additionally, the program offers the most cutting-edge proton therapy in a pediatric-focused environment. Proton beam therapy uses advanced technology to deliver treatments that are more precise. This allows physicians to access tumors in hard-to-reach areas while sparing surrounding healthy tissue.

WORLD-CLASS PEDIATRIC BONE MARROW TRANSPLANT TREATMENTS

The Blood and Marrow Transplantation (BMT) Program at Children's National is one of the only dedicated pediatric bone marrow transplant programs in the United States. Accredited by the Children's Oncology Group (COG), the program is renowned for its cutting-edge treatment protocols, developed by a team of dedicated bone marrow transplant specialists.

As a participating center in the NIH-funded BMT Clinical Trials Network, Children's National provides patients with access to national clinical trials and novel treatments – such as extracorporeal photopheresis, a treatment that helps children who experience dangerous post-transplant complications.

CELLULAR THERAPY: TRAINING T-CELLS TO FIGHT CANCER

Children's National is one of the only programs in the world offering a pediatric cellular therapy program to train a child's T-cells to fight off cancer and infections, and our program is a leader in clinical and research efforts to fight these diseases using adoptive cell therapy to strengthen the immune system. Our research team is expanding the field of immunotherapy with T-cell technology that is only available here.



ORTHOPAEDIC SURGERY & SPORTS MEDICINE

The Division of Orthopaedic Surgery & Sports Medicine at Children's National Hospital treats children with conditions affecting the structure or function of their joints and skeletal system – from head to toe. Our surgeons are leaders in a wide range of specialties, including spinal deformities, bone health and hip preservation, which has led to our ranking as one of the best orthopaedics programs in the United States by U.S. News & World Report.

Our goal is to treat our young patients with the most advanced and least invasive procedures available. Because we focus only on caring for children and treat a high volume of cases, our team has the expertise to deliver excellent results so your child can regain optimal mobility and an improved quality of life.

OUR TEAM OFFERS YOUR CHILD:

- **Pediatric Expertise:** Our large team of fellowship-trained pediatric orthopaedists, led by Matthew Oetgen, MD, MBA, treats every type of orthopaedic injury and condition—from the most common to the most complex.
- **Growth-Plate Sparing Treatments:** We understand that children are not simply miniature adults. We are experts in treating conditions or injuries near growing areas of your child's bones (known as growth plates) with a focus on optimizing your child's future growth.
- **Innovative Care Programs:** Our Spinal Fusion Surgical Home is the first pediatric program of its kind in the United States. Using a team approach, we deliver safe, effective and family-centered care to children undergoing spine-straightening surgery, known as posterior spinal fusion. This team-based approach to care leads to shorter hospital stays, a decreased infection rate and a reduced need for narcotic pain medications.
- **Laparoscopic Surgery:** When surgery is necessary, we strive to use minimally invasive laparoscopic surgery, which allows for shorter recovery time and reduced pain.
- **Cutting-Edge Technology:** Our team utilizes EOS® – a Nobel prize-winning technology which allows us to take high-quality full body images more quickly and with less radiation than traditional X-rays.
- **Specialized Pediatric Orthopaedic Programs:** In addition to their dedication to meeting the unique needs of children, many of our physicians have undergone training in subspecialties within orthopaedic medicine. This allows us to offer a wide variety of treatment programs for pediatric orthopaedic disorders and injuries.



"As parents, we want to see our children happy all the time and we are thinking about the future. When we came here, I was so happy with the treatment, how the doctors and staff treated us, and how they took care of our daughter. We feel like we are in our country."

— Parent of a Global Services patient

OUR PROGRAMS INCLUDE:

- Bone Health Program
- Hand Program
- Hip Program
- Limb Lengthening
- Orthopaedic Trauma
- Spine Program
- Sports Medicine



PRENATAL PEDIATRICS INSTITUTE

The Prenatal Pediatrics Institute at Children's National provides the most advanced technology to diagnose and treat suspected medical conditions in neonates in a compassionate and supportive environment. Through research, expertise, coordinated and advanced care, personalized treatment plans and more, we are dedicated to helping babies get the best possible start in life.

Our team includes specialists that care for all parts of the body (heart, brain, bones, nerves, etc.) who are not only experts in their area, but who also each have a specific interest and training in fetal development and transitional care. We work closely with referring doctors to help you prepare parents for the birth of their babies.

Our team makes recommendations as quickly as possible before babies are born and works closely with referring doctors and other hospitals to coordinate care if a baby needs fetal surgery or requires a transfer to Children's National after birth.

At the Prenatal Pediatrics Institute, families receive the most expert opinions in the field supported by state-of-the-art diagnostic imaging, as well as a fetal-care support network for the remainder of pregnancy and after birth. Identifying conditions and discussing options before a child is born increases the potential for a positive long-term outcome.

PIONEERING RESEARCH AT THE PRENATAL PEDIATRICS INSTITUTE

As an academic medical center, our doctors lead groundbreaking research in addition to providing compassionate care to patients. We are proud to be a nationally recognized fetal research center and our work is uniquely focused on brain development and how congenital conditions may affect your baby's transition from fetal to neonatal life.

This work is helping us advance all aspects of fetal diagnosis and neonatal care, including:

- Accurately identifying congenital conditions and diseases in their earliest stages
- Learning more about the long-term effects of certain congenital conditions
- Advancing the technology used to care for our sickest babies





RARE DISEASE INSTITUTE

The Children's National Rare Disease Institute is a first-of-its-kind center focused exclusively on advancing the care and treatment of children and adults with rare genetic conditions. We aim to provide a medical home for patients and families seeking the most advanced care and expertise for rare genetic conditions that remain largely unknown to the general medical community.

With more than 8,500 visits annually and 12 physicians, Children's National Hospital is home to the largest clinical genetics program in the United States.

SPECIALIZED DIAGNOSIS AND TREATMENT FOR RARE DISEASES

- Children's National is a world leader in urea cycle disorders and proudly leads the Rare Disease Clinical Research Center for Urea Cycle Disorders.
- The Lysosomal Storage Disorders Program has cared for pediatric and adult patients since 1990 and is one of the largest programs of its kind in the United States.
- The Inherited Metabolic Disorders Program is one of the largest specialized programs in the country, featuring dedicated metabolic dieticians.
- The Myelin Disorders Program is a national leader in providing comprehensive clinical care, diagnostic testing and advanced treatments for children with even the most complicated myelin disorders.



AT THE FOREFRONT OF THE TREATMENT OF RARE DISEASE

Children's National has become a noted international destination for the treatment of some of the rarest genetic disorders and is acknowledged as a leader in treating metabolic diseases. At Children's National, you will find advanced technologies and innovative treatments, ensuring every child receives the best possible care.

The institute's multidisciplinary team of experts provides diagnostic evaluation and clinical care to children and adults with birth defects, genetic disorders and inborn errors of metabolism. Additionally, the Cancer Genetics Program provides genetic counseling services for families with a history of a known genetic disorder and recurrence risk counseling for parents of a child with an inherited condition.

Nearly every geneticist at Children's National is involved in research, working on developing groundbreaking technologies, devices and treatments for patients with genetic diseases – focusing on finding safe, effective options for conditions that have no existing treatments.

ADVANCED GENETIC TESTING FOR ACCURATE, DEFINITIVE DIAGNOSIS

An accurate diagnosis is the first step in each child's care. In addition to offering the most advanced molecular testing available today, experts at Children's National do not stop until they reach a definitive diagnosis for each child. In fact, the Rare Disease Institute has one of the highest diagnostic rates for rare conditions in the United States.

Using one small blood or tissue sample, Children's National geneticists are able to determine a child's risk for inherited medical conditions, as well as predict how a child might respond to certain medications.





SURGERY

At Children's National Hospital, we provide the highest level of surgical innovation, expertise and care to infants, children and adolescents. We rank among the top pediatric hospitals in the United States for Orthopaedic Surgery and Sports Medicine, Neurosurgery, Gastroenterology and Urology, according to U.S. News & World Report.



INTERNATIONAL LEADERS IN PEDIATRIC SURGERY

At Children's National, your child benefits not only from our team's expertise and compassionate care, but also from their specialized training that focuses exclusively on children and protecting their future growth.

We offer your family:

- Unparalleled expertise. Our Surgical Care Center is led by Mikael Petrosyan, MD, MBA, who is renowned for his work in minimally invasive surgery, trauma care and surgical education. Dr. Petrosyan's team consists of more than 90 pediatric surgery specialists, as well as fellowship-trained pediatric anesthesiologists.
- Minimally-invasive pediatric surgery. We use the most sophisticated surgical technology in order to provide your child with a more effective, precise procedure. We use minimally-invasive approaches whenever possible to reduce pain, provide shorter hospitalizations and recovery times, and improve long-term health outcomes for children of all ages.
- Pediatric surgical research. We are actively involved in research at the Sheikh Zayed Institute for Pediatric Surgical Innovation. Our team investigates the latest devices and techniques for pediatric surgery that will create a more effective, less invasive surgical experience.



WORLD-CLASS PEDIATRIC SURGICAL PROGRAMS

Our expert surgeons provide a variety of specialized surgery services, including:

- **Bariatric Surgery:** Children's National has one of the only programs in the United States dedicated to pediatric bariatric surgery. Led by Mark Kolver, MD, we perform pediatric sleeve gastrectomy and LAP-BAND surgery on adolescents who meet certain criteria. We also have staff that can provide a range of support services in order to help your family achieve a healthier lifestyle.
- **Cardiac Surgery:** Our cardiac surgeons perform hundreds of procedures each year, the majority of which are on patients under the age of one. Led by internationally renowned pediatric cardiac surgeon Yves d'Udekem, MD, PhD, our comprehensive surgical program includes the full range of procedures available for treatment of pediatric cardiac disease and congenital heart defects.
- **Chest Wall Defects Surgery:** Our Chest Wall Defects Program is led by Timothy Kane, MD, and Mikael Petrosyan, MD, MBA, who specialize in minimally invasive surgery in infants, children and adolescents. Our team often performs the Nuss and Ravitch Procedure (English) to repair pediatric chest wall abnormalities.
- **Colorectal & Pelvic Reconstruction:** Our program is led by world-renowned pediatric colorectal surgeon, Marc Levitt, MD, who has expertise in treating the full spectrum of pediatric colorectal conditions and has performed over 10,000 surgeries—more than any other surgeon trained in pediatric colorectal surgery worldwide.



- **Ear, Nose and Throat (Otolaryngology):** Our Ear, Nose and Throat (ENT) division treats more than 20,000 patients each year and is led by Diego Preciado, MD, PhD, one of the leading experts on the pediatric airway and laryngotracheal reconstruction. Dr. Preciado's team performs a range of ENT surgeries, including ear malformation surgeries, endoscopic sinus surgery, esophageal surgery and cochlear implant surgery.
- **Esophageal and Thoracic Surgery Program:** The Pediatric Esophageal and Thoracic Surgery Program was developed to streamline the care of children with diseases and disorders of the lungs, mediastinum and esophagus by using the latest diagnostic, surgical and medical techniques. Our team of renowned surgeons, including Timothy Kane, MD, and Mikael Petrosyan, MD, MBA, offer innovative and minimally invasive treatments, including the peroral endoscopic myotomy (POEM) procedure for esophageal achalasia.
- **Gastroenterology:** U.S. News & World Report ranks our Gastroenterology division one of the best in the United States. Led by Ian Leibowitz, MD, we offer specialized programs for gastrointestinal reconstruction, liver transplant and more.
- **Pediatric Gynecology Program:** Our program is dedicated to infants, children and teens with pediatric gynecological concerns. Led by Veronica Gomez-Lobo, MD, our exceptional expertise in both pediatric gynecology and surgery allows us to provide treatment for rare conditions and anomalies, such as ovarian torsion, pelvic masses and vulvar lesions.
- **Neurology and Neurosurgery:** Our Division of Neurology and Neurosurgery, led by William D. Gaillard, MD (Neurology) and Robert Keating, MD (Neurosurgery). Our program features cutting-edge procedures like endoscopic brain surgery, MRI-guided laser ablation and deep brain stimulation, in order to make minimally invasive neurosurgery possible.
- **Orthopaedic Surgery & Sports Medicine:** Our program is led by Matthew Oetgen, MD, MBA, who created the Spinal Fusion Surgical Home, the first of its kind in the U.S. to focus on pediatric patients undergoing spine surgery. Our orthopaedic surgeons have vast expertise in using noninvasive surgical techniques, such as scoliosis traction and MAGEC spinal growing rods to improve the quality of life for children with spinal deformities. Additionally, we are experienced with scoliosis traction and vertebral body tethering.
- **Plastic & Reconstructive Surgery:** We are one of the only hospitals in the U.S. that has a dedicated pediatric plastic surgery program. This program, led by Gary Rogers, MD, can help care for your child's reconstructive needs. We treat a variety of conditions, including cleft lip and palate, through our specialized Cleft Lip and Palate Program, led by Albert Oh, MD. In addition, our Craniofacial Program treats children with a range of craniofacial disorders, including deformational plagiocephaly and pediatric craniosynostosis.
- **Surgical Oncology Program:** Our program offers treatment for various complex pediatric oncologic diseases. Our surgeons, Anthony Sandler, MD, and Mikael Petrosyan, MD, MBA, work together with our renowned oncology division to deliver outstanding surgical care utilizing cutting edge technology.



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A DOCTOR
TOOL



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