



CARDIAC SURGERY

Children's National Heart Center

Pediatric heart surgeons at Children's National Hospital perform a high volume of lifesaving surgeries ranging from the most complex congenital problems to more common issues, all with children's neurodevelopment and lifelong growth in mind. Children's National Heart Center provides multidisciplinary subspecialty care with access to more than 40 specialties such as neonatology, pediatric cardiac critical care, physical rehabilitation and neurology, all tailored to the unique needs of children with congenital heart disease.

Our pediatric cardiac surgery team pairs their expertise and experience with the most sophisticated diagnostic and treatment technology to provide the best care for every child.



Children's National

FY24* SURGICAL HIGHLIGHTS

351

consecutive index cases
without mortality

513

surgical cases

1/3

of our congenital heart surgeries
are performed on children under
3 months old

227

heart surgeries on patients
less than one year old

8

heart transplants

291

cardiopulmonary bypass
surgeries

**FY24 takes place from July 1, 2023 -
June 30, 2024.*

CARDIAC SURGERY SPECIALIZED PROGRAMS

ADVANCED CARDIAC THERAPIES AND HEART TRANSPLANT PROGRAM

Our experienced team provides a full spectrum of therapies to support children with heart failure, including the use of ventricle assist devices (VAD) and other technology to preserve heart function. When transplantation is indicated, we collaborate with nearby MedStar Washington Hospital Center to provide heart transplantation.

We offer the next generation of VAD for both temporary and long-term support of children and adolescents with heart failure. We are one of a few elite programs using this life-saving technology for pediatric patients, including the Berlin Heart®, the only VAD available for babies and small children.

CARDIAC INTENSIVE CARE UNIT (CICU)

Children's National is home to the region's first and only pediatric CICU, featuring private patient rooms and state-of-the-art technology, to monitor and treat patients as safely and efficiently as possible. The unit is recognized as a Beacon unit for quality and safety by the American Association of Critical Care Nurses. CICU physicians are trained in multiple specialties, including critical care, cardiology, neurology and anesthesiology and are leaders in innovative care and clinical research in cardiac intensive care and congenital heart disease.

FONTAN PROGRAM

Our Fontan Board, which consists of experts from various subspecialties, collaborates to provide a diagnosis, prognosis and comprehensive treatment plan for each unique child. We work closely with parents and families to help them understand and plan for what to expect before, during and after their child's Fontan procedure.

NEURO-CARDIAC CRITICAL CARE PROGRAM

The approach at Children's National extends beyond traditional cardiac care to include a specialized

focus on the developing brain and long-term neurodevelopmental outcomes for patients with critical CHD. Our program integrates cardiac critical care for the child with psychosocial support for the patient-family and research to identify modifiable risk factors in the care of children with CHD to improve school performance and quality of life.

PRENATAL CARDIOLOGY PROGRAM

Comprehensive cardiac care begins in utero. Our fetal cardiologists partner with referring maternal fetal medicine specialists, obstetricians and subspecialists. Once a diagnosis is made, parents are counseled so they can prepare for what to expect for the duration of the pregnancy and after delivery, maximizing planning time and allowing for early treatment of a variety of heart abnormalities – often within moments of delivery.

CARDIAC SURGERY PROCEDURES

Children's National offers a comprehensive surgical program that includes the full range of procedures available for the treatment of pediatric cardiac disease and congenital heart defects. Our surgeons have extensive experience performing a wide variety of cardiac surgical procedures, ranging from simple to complex, including:

- Aortic valve repair
- Arterial switch operation (ASO)
- Atrial, ventricular and atrioventricular septal defect repair
- Fontan procedure
- Glenn procedure
- Hybrid procedures for single ventricle anomalies (hypoplastic left heart syndrome and hypoplastic right heart syndrome)
- Nikaidoh procedure
- Neonatal Ross procedure
- Partial atrioventricular canal defects repair
- Tetralogy of Fallot repair
- Transposition of great arteries repair



CONSULTATIONS & REFERRALS

For more information or to make an appointment, call

202-476-2020

For more information, visit

[ChildrensNational.org/HeartCenter](https://www.childrensnational.org/HeartCenter)

CARDIAC SURGERY TEAM



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Children's National®