

# Children's Hospital of Wisconsin Herma Heart Center



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**Ronald K. Woods, MD, PhD,** is the surgical director of Cardiac Transplantation at Children's Hospital of Wisconsin and an associate professor of Cardiothoracic Surgery at the Medical College of Wisconsin. Dr. Woods is widely recognized for his expertise in heart transplantation and surgical treatments for pediatric heart failure.



**Michael E. Mitchell, MD,** is the medical director of Pediatric Cardiothoracic Surgery at Children's Hospital of Wisconsin and a professor of Pediatric Congenital Cardiac Surgery at the Medical College of Wisconsin. Dr. Mitchell is an international leader in pediatric cardiac surgery, including neonatal and infant cardiac surgery and adult and pediatric heart and lung transplantation.



- We consistently have high survival rates for all children undergoing heart surgery and among the best survival rates worldwide for treating hypoplastic left heart syndrome.
- Our Heart Transplant Program is a national leader for pediatric heart transplant volumes. We have performed more than 130 heart transplants since 1991.
- In 2012, Children's performed the first heart-liver transplant in Wisconsin, the 10th performed on a child in the United States.
- Our transplant specialists use five different types of artificial hearts to care for the needs of transplant patients. The Herma Heart Center was selected as a pilot site in the FDA-approved trial of the Berlin Heart Ventricular Assist Device, and we have successfully bridged 13 patients to transplant with 100 percent three-year survival.
- Herma Heart Center specialists pioneered the use of virtual cross-match strategy for heart transplant patients. This can lead to better outcomes and shorter waitlist times for patients with antibody sensitization, and it allows transplant physicians to risk-stratify patients who are eligible for heart transplant.
- We offer ABO-incompatible infant heart transplants, decreasing wait times as well as wait-list deaths.
- Heart transplants are performed in our state-of-the-art facility, staffed by a multidisciplinary team of board-certified specialists in cardiology, critical care, anesthesia and cardiothoracic surgery.
- Our 24-bed Cardiac Intensive Care Unit (CICU) is part of our Level I Pediatric Intensive Care Unit, which provides the highest level of care and meets stringent guidelines of the Society of Critical Care Medicine and the American Academy of Pediatrics. All of our CICU physicians are board-certified intensive care specialists with additional training and expertise in cardiology, cardiac intensive care or cardiac anesthesiology.
- We offer transplantation to patients who have been declined by other centers, and our outcomes — despite taking on these high-risk recipients — still meet the national averages.
- Our surgeons have performed heart transplants on patients as young as 7 days old.
- Our nationally known experts lead cutting-edge research initiatives that have a real impact on the transplant community, from development of a novel blood test to predict transplant rejection to creation of a new MRI-validated technique for size matching.
- We offer extracorporeal membrane oxygenation and state-of-the-art pulsatile mechanical support.
- We have an independent, dedicated pediatric advanced heart failure program that coordinates multidisciplinary care, including ventricular-assist device (VAD) support.

## Why choose us?

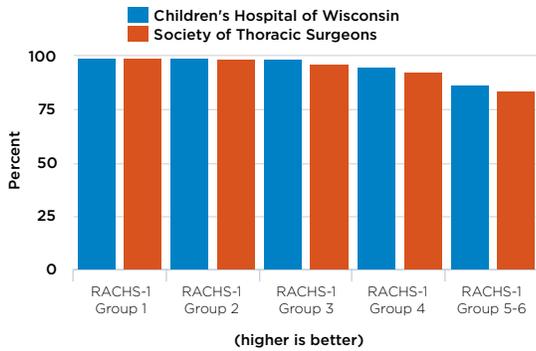
- The Children's Hospital of Wisconsin pediatric Heart Transplant Program is the only program of its kind in Wisconsin and an integral part of the Herma Heart Center, which is **ranked No. 5 in the nation in pediatric cardiology and heart surgery** in 2015-2016, according to *U.S. News & World Report*.
- Our unrelenting commitment to high-quality standards, and advancements in surgical techniques combined with comprehensive follow-up care, produce some of the best outcomes in the world; many times exceeding national standards.
- Our doctors are internationally recognized for clinical and research innovations that have profoundly changed standard-of-care protocols throughout the heart transplant community.

## Clinical outcomes

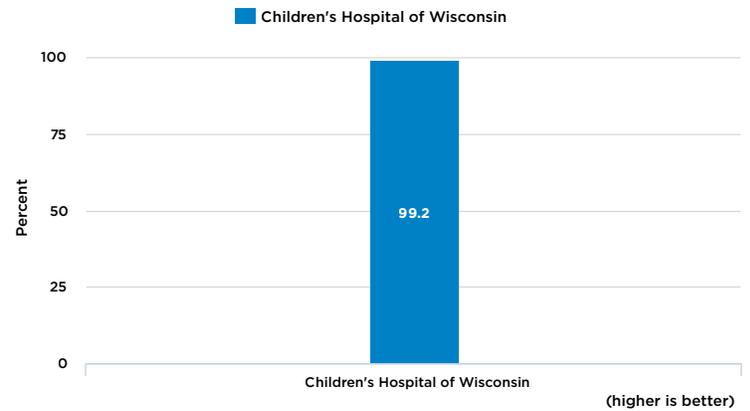
Children's Hospital of Wisconsin's heart transplant program is the fastest-growing program of its kind in the Midwest and one of the busiest programs in the nation. Our high transplant volumes offer advantages other centers cannot provide, including better patient care and better surgical outcomes.

Survival rates at Children's meet the national benchmarks for one year and three years after transplant, and we exceed the national benchmark for one month after transplant. The Herma Heart Center has a consistently high survival rate — greater than 98 percent — for all children undergoing heart surgery and a higher survival rate than the Society of Thoracic Surgeons' comparative population.

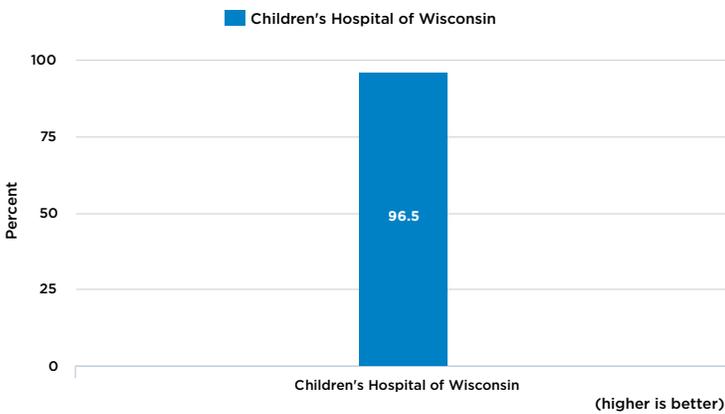
Overall surgical survival by RACHS-1 category for all congenital heart surgery patients from 2010-2013



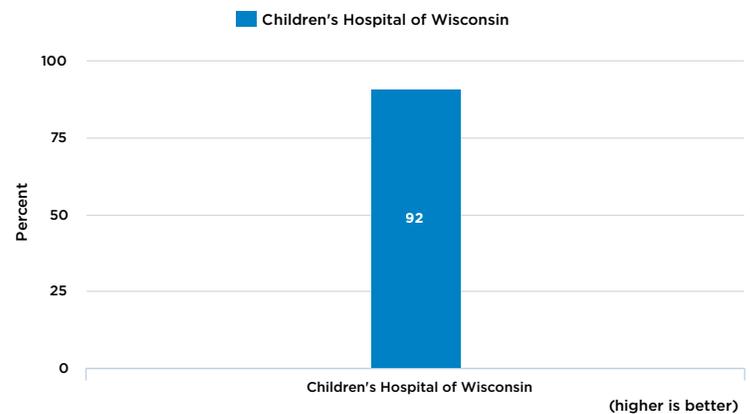
Average percent survival for the Fontan procedure at Children's Hospital of Wisconsin 2009-2013 (126 procedures)



Average percent survival for the Glenn procedure at Children's Hospital of Wisconsin 2009-2013 (143 procedures)



Average percent survival for the Norwood procedure at Children's Hospital of Wisconsin 2009-2013 (88 procedures)



Our Transplant Center is a joint effort of Children's Hospital of Wisconsin and Froedtert & The Medical College of Wisconsin with vital support by the BloodCenter of Wisconsin for tissue typing and research initiatives. Representing the most comprehensive pediatric and adult transplant care in Wisconsin, the program is recognized for nationally ranked outcomes, internationally known transplant specialists and end-stage disease management: a critical resource for Wisconsin and beyond.