



Eradicating disease and innovating health care at Children's Wisconsin

Sparking brighter futures

Children's Wisconsin has long been the place where kids from Wisconsin and beyond receive top-notch medical care. By discovering better ways to prevent, diagnose, treat and eliminate childhood diseases, and training our future clinicians and scientists, we help today's young patients and impact the health of future generations.

Specialized care at every turn

Kids are not just little adults — they need specialized care for their developing bodies. That's why our clinicians and researchers work to innovate care for kids at every phase of life, from before they're born, to when they're diagnosed with a disease, to when they transition home from the hospital and into adulthood. This ensures we're driving clinical discoveries that give kids the best quality of life today and the longest life possible.

In many cases, clinical and research teams will use genetic information and a patient's own stem cells to guide personalized treatment solutions, known as precision medicine. Researchers from the Herma Heart Institute at Children's Wisconsin are doing amazing things with stem cells from umbilical cord blood collected at birth. Cord blood contains "non-specific" stem cells that can grow into any type of tissue and organ cell such as heart, liver, kidney or pancreas. This game-changing approach has the power to create safer and more effective treatments that:



- Postpone or eliminate the need for a transplant
- Eliminate the risk of tissue or organ rejection
- Prevent future surgeries and pharmaceutical interventions

While our precision medicine program is focused on the heart right now, there are infinite uses in the future for stem cells to benefit children affected by other diseases, including pediatric cancer and other rare childhood diseases.

Accelerating research and advancing knowledge

At Children's Wisconsin we are working to accelerate our pediatric research platform: the Children's Research Institute (CRI), which represents the most powerful concentration of 100% pediatric research in Wisconsin, with more than 150 researchers in nearly all of our 36 specialties. Our pioneering physician-scientists, nurse-scientists, researchers and technicians are relentless in their drive to discover better ways to prevent, diagnose, treat and eliminate childhood diseases. CRI teams also collaborate with national experts to share knowledge and improve care and quality of life for children everywhere.

To remain a leader in this space, we are building the CRI team with experts who can analyze and translate data from the bench to the bedside, unlocking opportunities for innovation as science evolves. This helps improve outcomes and quality of life for kids and reduce health care costs.

The depth and breadth of our resources at the CRI enabled Children's Wisconsin to **be the first to:**



- Unravel the mystery of a deadly lung condition and share findings with the world
- Complete a procedure to save the lives of two boys, each born without a trachea — something that no child in the United States had previously survived
- Use genomic sequencing to save the life of a patient

With your support, we can continue to attract expert researchers who spark innovations that improve the delivery of the best and safest care for kids.

Infinite possibilities



Imagine a day when we prevent physical health issues from ever surfacing instead of treating disease. A day when treatment is personalized to a child's DNA to improve health outcomes and quality of life for kids. It's a bold dream, but one that we have a vision to achieve.

Thanks to continued generosity from our community, Children's Wisconsin is a hospital and so much more, committed to the life-changing power of innovation and its impact on clinical care. We are poised to shape and accelerate the future of pediatric health through precision care under the leadership of expert scientists and researchers. **Philanthropy is the missing piece.**

To make a gift to Children's Wisconsin, please contact Kara Muchow, Senior Director of Development, at (920) 205-8717 or kmuchow@childrenswi.org.



Your support means kids and families can have brighter futures. Thank you!