

TECH AND INNOVATION COMMUNITY INITIATIVE

Advanced technology and data programs are the key to driving the future of child health.

In an ever evolving world, technology and innovation are at the forefront. At this pivotal time, Toronto is revered as a world-class destination for attracting and retaining the best talent in the field. Investments in this community have enabled the pursuit of new ideas and revolutionized the way we live. This is also happening at SickKids as we embark on a once-in-a-generation campaign to transform child health. Over the next decade, SickKids will be the catalyst for revolutionary change in paediatric health care access, quality and effectiveness around the world. This ambitious goal hinges on your support.

As champions for SickKids, we are looking to you to help us raise \$25 million to transform the way we care for our patients. The initiatives listed in this document are not just a list of projects that require funding, but projects that, when integrated, will make a transformational impact on patients and their families. By increasing our ability to analyze patient data, we will improve efficiency and reduce patient risk. As we transition to the new campus, we will ensure that our tools and clinical spaces are as cutting-edge as our knowledge.

CHAIR IN BIOINFORMATICS AND ARTIFICIAL INTELLIGENCE

Your visionary support of the first Chair in Biomedical Informatics and Artificial Intelligence in Canada will provide the unique expertise to develop tools to analyze increasingly complex patient data, so we can deploy resources more efficiently and do away with human error. Knowing statistically probable outcomes from a patient's distinct health profile will help doctors make the right decision at the right time. Physicians and nurses won't have to wait for medical complications to arise because they will be able to predict them.

BIG DATA ANALYTICS

SickKids is working to be the first children's hospital in Canada to harness the power of data intelligence to improve the delivery of health care. In its most exciting clinical application, high-performance computing is used to integrate and analyze reams of available patient data to support management and therapeutic decision-making for individual patients. These sophisticated algorithms will be able to predict how, for example, a patient responds to a therapy, their risk of infection, and their long-term prognosis. Your support of big data analytics will help physicians make more confident decisions, provide greater operational efficiency, and reduce risk for our patients.

RE-IMAGINE OUR CAMPUS

SickKids will construct an efficient, safe clinical campus, including a state-of-the-art Emergency Suite, capable of delivering the most cutting-edge, compassionate care. The new Suite will double the physical space of the Emergency Department, making it possible to accommodate a growing volume of patients. The advanced facility will allow us to lead in the development and application of revolutionary new diagnostics, therapies and cures. SickKids will ensure patients receive the best care possible in an environment that allows families to be actively involved in their child's treatment and recovery.

TOGETHER, WE WILL ENSURE THAT PHYSICIANS WON'T HAVE TO WAIT FOR MEDICAL COMPLICATIONS TO ARISE BECAUSE THEY WILL BE ABLE TO PREDICT THEM.

**Tech&Innovation
Community**

VS
SickKids Limits

Limits

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ENGAGING THE COMMUNITY

The Tech and Innovation Community will play an integral role in our efforts to meet the growing needs of our patients through the redevelopment of the SickKids Campus, including a new Emergency Suite and investments in data analytics systems and leadership. This is an exciting time in health care history, and, as we make this momentous leap, we hope you will join us. Below are some opportunities for you and your company to get involved:

- **Pledge a portion of your company equity through the Upside Foundation in support of SickKids**
- **Excite and engage your company's employees to participate in events supporting SickKids**
- **Make a donation in support of SickKids, either individually or through your company**
- **Leverage Friends of SickKids, a charity that accepts donations from individuals and companies in the United States**
- **Share your stories about SickKids through your social media platforms and mobilize your network to get involved**

GET INVOLVED:

TECH4SICKKIDS.COM

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