

# 7th Annual McMaster Child Health Conference



The McMaster Child Health Conference is an annual symposium for stakeholders, faculty, and students from multiple disciplines to discuss issues, policies, and novel research relevant to child health and development. For their 7th year, the conference invited the Hamilton community to explore the theme “Pandemic Pause: Play, Learning and Inclusion” at the virtual conference on April 2nd, 2022. Keynote speakers and workshop leaders covered a range of topics from ethical considerations in childhood disability research to online coding courses in the classroom, and more!

## **The intersection of food and housing insecurity on pregnancy and infant health outcomes: A systematic review**

**KATHERINE TAPLIN[1]\*, JULIA LABRICCIOSA[2]\*, JAMES K. GIBB[3], GALI A IBRAHIM[4], DIANA HØTOFT[5], LUSEADRA MCKERRACHER[6,7]**

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Redistributional policies aimed at promoting equity often have shortcomings such that, even in high-income countries, pregnant people experience food and housing insecurity. Our objective was to systematically review the existing literature to examine the extent to which food and housing insecurity during pregnancy intersect to affect maternal and infant health outcomes in neighbourhoods experiencing vulnerability in high-income countries. Locally in Hamilton, prevailing processes of skyrocketing housing prices combined with wage stagnation mean that many pregnant Hamiltonians experience housing insecurity. Findings from our review can be used to inform evidence-based multi-level policy targets and recommendations that reflect local priorities in Hamilton.



## ORAL PRESENTERS

### LAY SUMMARIES

### **Evaluating the training needs for an epilepsy education program by assessing the beliefs and attitudes of families with children impacted by epilepsy**

**ANWAR SUBHANI[1,2]\*, SANTOSCOY P., APPENDINO J., HO A., PAYNE E, SCANTLEBURY M., DR. JULIA JACOBS-LEVAN**

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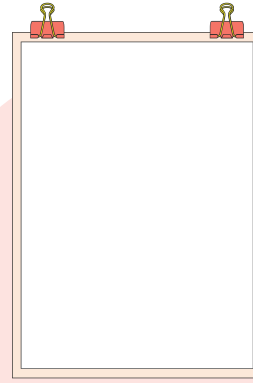
A lack of readily accessible epilepsy programs has mental health repercussions for those recently diagnosed with epilepsy. A virtual training platform called “Knowledge to Empower” is being developed to allow families to connect with and learn about their child’s epilepsy. The queries and training needs of diverse patient groups must be addressed to ensure the platform’s personalization and success. This study assessed the training needs, beliefs, and attitudes towards epilepsy through a questionnaire for families, taking into account epilepsy severity, time of their child’s diagnosis, and religiosity.

### **Deriving Normative Data on 24-Hour Ambulatory Blood Pressure Monitoring for South Asian Children (ASHA)**

**VAIBHAV ARORA[1]\*, DR. FARAH KHAN, DR. SONIA ANAND, DR. RAHUL CHANCLANI**

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Hypertension, or high blood pressure, is a leading cause of preventable deaths all over the world. Ambulatory Blood pressure monitoring (ABPM) is a method used to detect hypertension in children and adults in which blood pressure is assessed over a 24 hour period. It has numerous advantages over office-based blood pressure measurement, but its use is limited because normative data for pediatric populations was sourced more than 20 years ago from a homogenous Caucasian population in Germany. This study aims to establish normative ABPM data among a large cohort of South Asian children living in Ontario and British Columbia.

**POSTER PRESENTERS**  
*LAY SUMMARIES***Children and Youth with Autism Spectrum Disorder's Experiences with Online Learning During the COVID-19 Pandemic****NATASHA VERHOEFF[1]\****[1] BACHELOR OF HEALTH SCIENCES (HONOURS), CLASS OF 2024, MCMASTER UNIVERSITY*

Autism spectrum disorder (ASD) is comprised of a spectrum of neurodevelopmental disorders that impact behaviour and communication. Education for children and youth with and without ASD was disrupted across the globe by COVID-19. Since children and youth with ASD develop differently and typically receive more educational support than most children and youth, online learning during the COVID-19 pandemic has unique effects on them. This scoping review investigates children and youth with ASD's experiences with online learning during the COVID-19 pandemic in hopes of identifying supports for them and stakeholders in their lives such as their caregivers and teachers.

# MCHC 2022

**Co-Chairs**

Ranmeet Dulai, Benjamin Larocque

**Speaker Coordinators**

Aishwaria Maxwell, Haniyyah Mahmood, Nicole Shen

**Logistics & Registration Coordinators**

Courtney Robb, Delaney Ringer, Linda Duong

## Stakeholder Dialogue: Age of Transfer from Pediatric to Adult Healthcare, and Transition Practices and Policies in Canada

CLAIRE DAWE-MCCORD[1]\*, LINDA NGUYEN[2,3], SONYA STROHM[2,3], JAN WILLEM GORTER[2,3]

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[2]CHILD-BRIGHT

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In this project I gathered a group of people from across Canada to discuss what the current rules and regulations were surrounding transferring youth from pediatric to adult health care settings, what challenges this youth may face, and how we may improve this process for youth in the future.

## Developmentally Appropriate Tools for Children with Hemophilia (DATCH)

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DATCH stands for Developmentally-Appropriate Tools for Children with Hemophilia. Tools are developed in accordance with Piaget's stages of cognitive development using a collaborative, iterative, and feedback-oriented approach. Examples of tools that have been developed or are currently being developed include animated videos, a colouring book, an alphabet book, a video game, a menarche booklet, exercise videos, and a sexual health booklet. Following development, a resource-specific questionnaire is created and used to clinically evaluate tools.

# Planning Team



### Research Coordinators

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