

MEDTECH TASK FORCE MEETING - May 30, 2024

BIAPH REPRESENTATIVES



Roger Foisy
President, BIAPH



Nick Kuryluk
Board of Director
(Business), BIAPH



Sarah Diaz
Business Development
Specialist, BIAPH

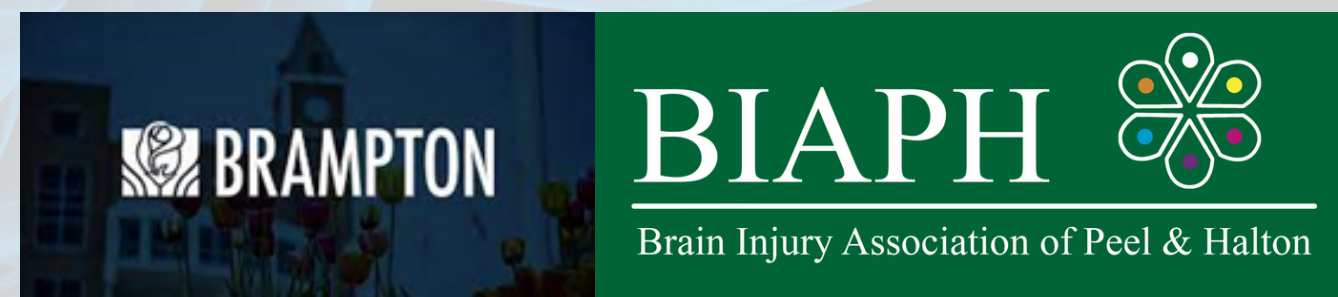


Brampton InnovABI MedTech Conference 2025

**EMPOWER SURVIVORS & CAREGIVERS,
IGNITE INNOVATION,
& SHOWCASE BRAMPTON**

Presentation By: Sarah Diaz, MHSc

Date: Thursday, May 30, 2024



MEET GRACE, 52



I must admit, even at 62, I keep hoping one day I could go back to work. It's the isolation, the fatigue - it quite hampers what I can do. [1]

- Involved in a motor vehicle collision (MVC)
- Sustained a traumatic brain injury causing chronic auditory, memory, mobility, balance, and vision issues
- Grace is unable to return to work and feels continuously isolated and fatigued

Funded by the
Government of Canada's
New Horizons for Seniors Program

Canada



WHAT ABOUT



Acquired Brain Injury
A BI

Any type of brain injury post-birth is an ABI. This could be traumatic (TBI) or non-traumatic (nTBI). Changes to normal brain activity can lead to varying degrees of impairment, impacting **daily functioning** and **community integration** [2,3]. Pre-existing conditions such as diabetes are predictors of poorer outcomes and mortality for TBI [4,5].

1 TBI every 3 minutes*, 1 stroke (nTBI) every 10 minutes [6,7]

WHERE WE COME IN

The Brain Injury Association of Peel & Halton (BIAPH)

Supporting ABI survivors and their caregivers since 1986.

Programs:

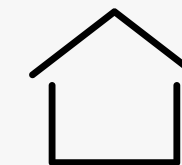
- ABI Survivor & Caregiver Support Groups
- HeadSpin: Young Adult Support Group
- Caregiver Relief Program
- Peer Support Program



Conduct community research and ABI awareness initiatives



Deliver tailored resources, support groups, & provide up-to-date Information



Strive to expand programming, becoming a centralized hub

BIAPH IS SPOTLIGHTING BRAMPTON

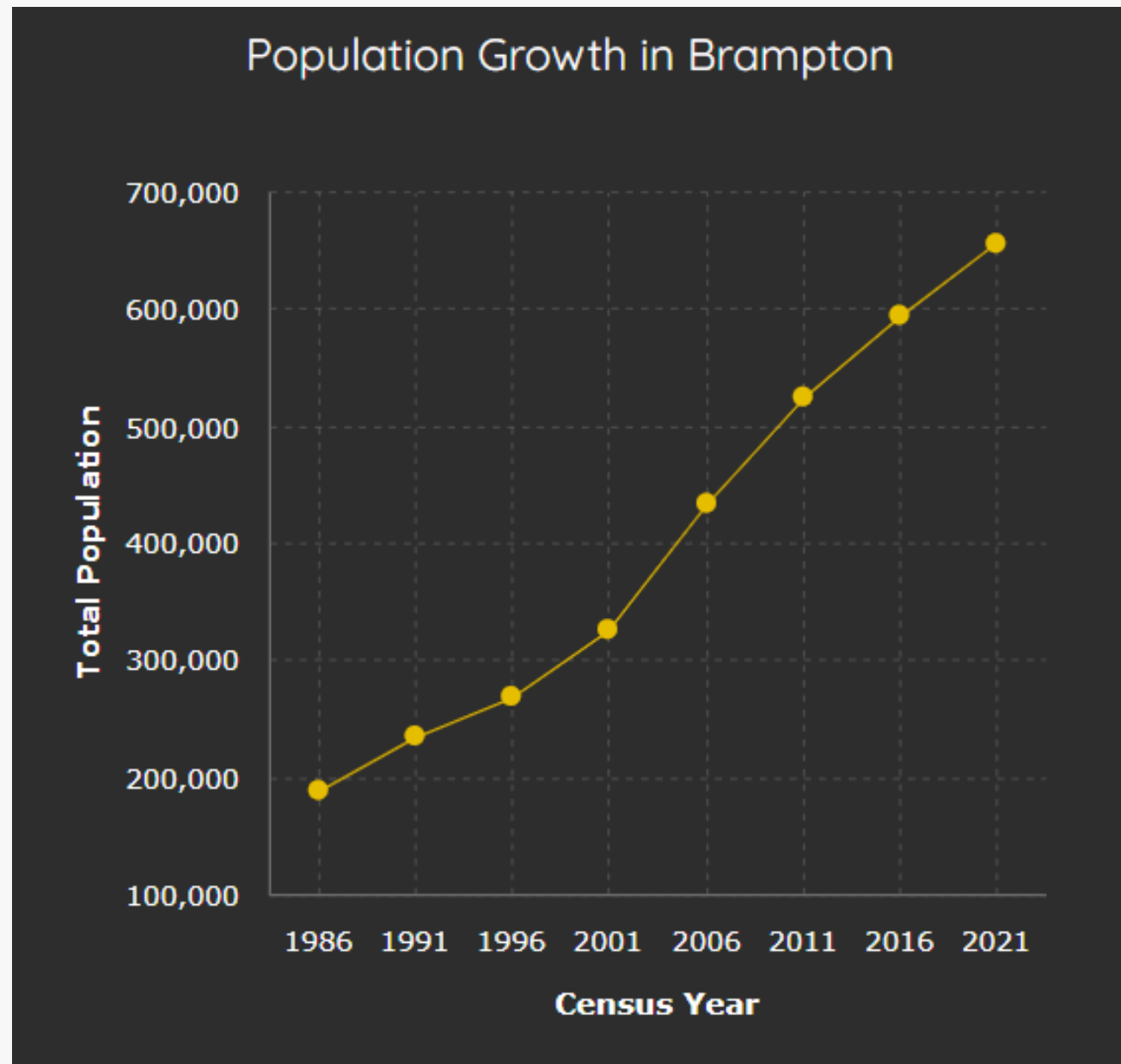


Image 1.A. sourced from the City of Brampton's GeoHub [8]

- Brampton is the 4th largest city in Ontario and the heart of Peel & Halton region (1.A.)
- Fastest growing Canadian city as of 2021, with a growing aging population [8, 9]
- Brampton is **NOT** immune to ABI
- Exciting developments in healthcare, medical technology and innovation arise: MedTech task force launch 2023 [10]
 - Huge opportunities for growth

ABI AFFECTS ALL, INCLUDING BRAMPTON

- Ontario and Sub Regional Traumatic Brain Injury (TBI) Care Report Card (2021) [11]
 - Central West LHIN had the highest overall incidence of TBI per 1,000 people out of 14 LHINS
 - Ranked #2 LHIN to have most patients in complex continuing care after acute care

Some High Impact TBI Examples:

Motor Vehicle Collisions (MVCs)

More than half of fatal or life-altering injuries in the Peel Region are caused by MVCs in Brampton [12]

Intimate Partner Violence (IPV)

Peel region reports 16,000 incidents in 2022.* That's 2 incidents every hour [13,14]

Falls in Seniors

Falls are the leading cause of injury-related hospital admissions. By 2041, 1 in 5 will be seniors in Brampton [15,16]

Workplace Injuries

Transportation and warehousing was the largest Brampton occupation in 2021. Known to have increased TBI risk [17,18]

ABI AFFECTS ALL, INCLUDING BRAMPTON

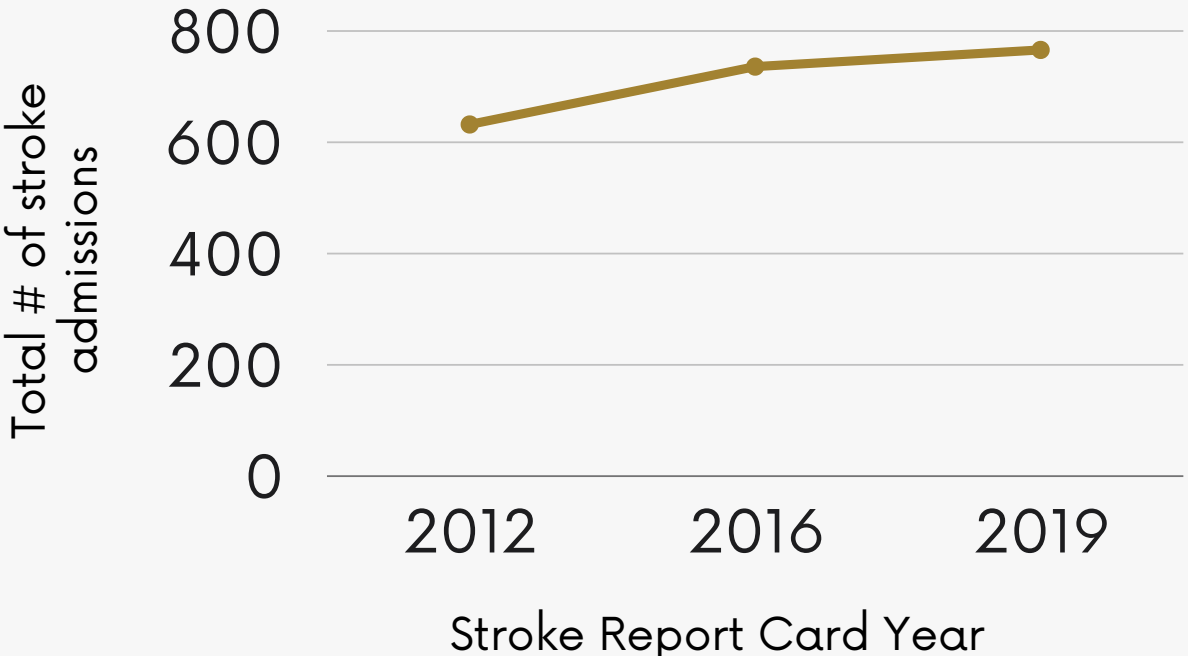
- According to the Ontario Stroke Network and ICES stroke report cards (1.B.) [19, 20, 21]:
 - Stroke in-patient admissions increased from 2011 to 2019
 - Recommended prioritizing efforts to increase community resources to enable reintegration of the stroke population

Some High Impact nTBI Examples:

Stroke

Risk is increased largely by life style factors such as low physical activity, poor diet, substance abuse, smoking, and other comorbidities [7, 22]

1.B. Approximated stroke admissions in Central West LHIN [19,20,21]



History of Cardiac Arrest*

There are 3 or more calls per day in Peel Region alone [23,24]



Diabetes

Peel's diabetes prevalence rate has been higher than all of Ontario since 1996 [25,26]

*Diabetic Comas - hypoxic ischemic brain injury [27]

LISTENING TO OUR SURVIVORS SINCE 1986

- Each brain injury is unique and often requires many different solutions to improve quality of life
- Health is affected by various factors (e.g., social determinants of health) that cannot always be addressed in siloed care [28,29,30]
- **Our survivors have voiced:**
 - Uncertainty about the available care options
 - Needing more information but feeling overwhelmed by navigating the current landscape alone
 - A desire to be actively included in decision-making

Disruption and Innovation is needed to help bridge gaps!!! [31]

THE RIPPLE EFFECT

Help One, Help Many



Improve individual outcomes > Increase quality of life > **Societal Prosperity**

OUR PROPOSAL:

InnovABI 2025

**Empower ABI Survivors & Caregivers
Ignite ABI Innovation in Brampton**

Bring together the Brain Injury Ecosystem across Canada to facilitate education and awareness of emerging medical technologies, addressing the pressing needs of our community.



Timeline

1.5 to 2-day conference in 2025. Open to all Canadians. Perhaps before the TMU School of Medicine launch?

Target Audience

Start-ups, insurance, venture capital, rehab clinics, manufacturing, researchers, pharma, regulatory, academic inst., legal, funding agencies.

Conference Activities

Pitch competition, networking/match-making events, exhibitor booths, keynote speakers, panels, raffles/prizes.

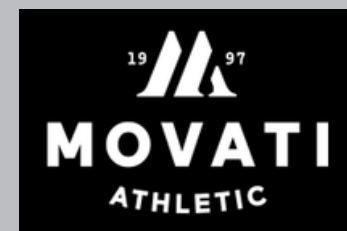
BRAMPTON ANGELS William Osler Health System Boston Scientific Medtronic Altitude Accelerator Algoma UNIVERSITY Dynacare TaroPharma Sheridan Rogers Cybersecure Catalyst Toronto Metropolitan University Abbott B H I V E BRAMPTON

OBIA (ONTARIO BRAIN INJURY ASSOCIATION) mitacs UHN Ontario Brain Institute Ontario Bioscience Innovation Organisation NRC-CARC Canada

How We See Success with **InnovABI 2025**

A unified coalition of collaborators, sponsors, and community organizations, all rallying behind Medtech innovation in the ABI field, making Brampton an upcoming hubspot for this vital work.

Community Collaborators



Hosted By



In Partnership With



ALTITUDE
ACCELERATOR



BRAMPTON
ANGELS



ONTARIO
BRAIN
INSTITUTE

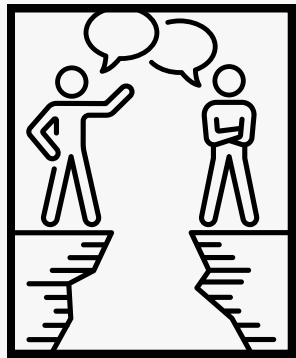
INSTITUT
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[Insert Future Sponsors Here]

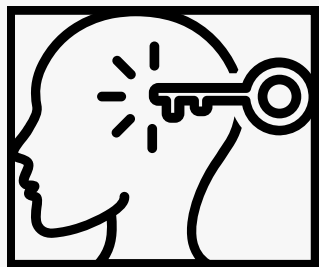
- 1 Exposure to ABI Health Cluster
- 2 Research Collaboration Opportunities
- 3 Develop Company Portfolio
- 4 Enhance Brand Image with CSR

INNOVABI BENEFITS TO THE BRAMPTON POPULATION

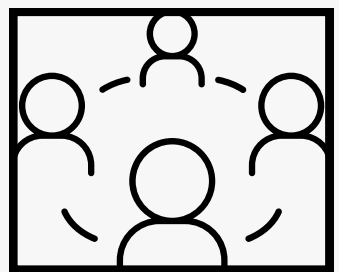
Drive the Medical Technology Ecosystem to Brampton to...



Enhance Awareness and Access: Actively promote awareness, education, and access to emerging ABI technologies and services, effectively bridging gaps within the current healthcare system.



Incentivize Training and Research: Proactively initiate more training and research initiatives to address unmet needs within ABI, aiming to enhance prevention and management strategies.



Foster Community Support: Uphold the Brampton community by shedding light on what is often deemed an invisible disability, offering hope through comprehensive approaches that address overlooked factors, thus enhancing quality of life.



Brampton to be considered the go to place for medical technologies and innovation!



**Entrepreneurs
Venture Capital
Businesses**

and more...

TO PROCEED... ?



OUR ASK



1 Venue Support

Support BIAPH in securing the Rose Theater for a 1.5-2 day conference in 2025 by providing financial assistance for venue-related expenses.

2 Connection Support

Champion buy-in from corporate sponsors to aid in facilitating or executing this conference.

LET'S WORK TOGETHER TO GET GRACE THE HELP SHE NEEDS



...brain injuries are all so different, and people are all so different - you never know what to do, **What should I be doing?** Should I be trying this medication? Should I be trying this therapy? ... **I just get so frustrated.** [1]





THANK YOU

FOR YOUR ATTENTION AND CONSIDERATION

Contact:

sdiaz@biaph.com

(647) 221 -2858

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