



# Accelerate Innovation + Amplify Impact



Participants from *What's Next Canada 2020*

# ***Accelerate*** Innovation ***+ Amplify*** Impact

## Looking Ahead to Our Next Five Years

---

Five years ago, the **Centre for Aging + Brain Health Innovation (CABHI)** was established at Baycrest to drive innovation in the aging and brain health sector.

It was the first of its kind and has defined the sector.

The scope and impact of these first five years have been impressive. We have supported the development, evaluation and introduction of over 300 innovations that have directly improved the lives of more than 72,000 older adults and caregivers. We have connected with more than 105,000 individuals through our events, activities and online channels. We have involved 64,000 individuals to build a more knowledgeable healthcare workforce and patient population engaging with technology.

As we begin our next chapter, CABHI continues to build on our work during this unprecedented moment—a global pandemic that has exacerbated the need for innovation to improve the lives of older adults globally. COVID-19 has brought attention to addressable issues such as social isolation, maintaining cognitive and physical health and caregiver stress.

Even prior to COVID-19, CABHI's innovation pipeline had been developing, testing, scaling, adopting and commercializing solutions that leverage technology to combat challenges to older adults' wellbeing. The innovators we support are addressing older adults' social isolation and

loneliness by developing better telehealth, digital and virtual solutions, using technology to tackle the ongoing challenges of physical distancing.

CABHI will build on its work to date and continue to find new ways to improve the quality of life and brain health of older adults, so they can age and thrive in the setting of their choice. As we **Accelerate Innovation + Amplify Impact**, we will evolve our operations to:

- Engage more older adults, caregivers and care delivery organizations to ensure their lived experience guides our work
- Realize greater value for the healthcare system by accelerating dissemination of the best innovations developed by industry, frontline workers and academia; sourcing the best solutions globally to bring to Canadians and finding international markets to scale and grow made-in-Canada solutions
- Amplify our economic and social impact to improve both quality of life and equitable access to aging and brain health solutions

This year, we prepared for the next iteration of CABHI by launching **"What's On Your Mind?"** community discussions, held with partner organizations across Ontario to learn more about the lived experiences of older adults and their caregivers. We expanded our community partner and federal government engagement with **Indigenous Elders and communities in Ontario and Saskatchewan**. Our two major calls for innovation, **Spark** and **Mentorship, Capital and Continuation Program (MC<sup>2</sup>)**, received a greater number of high quality applicants from industry, frontline healthcare workers and academia.





*Baycrest's Innovation Showcase/Community Event (L – R): Parliamentary Assistant to the Minister of Seniors and MPP for Richmond Hill, Daisy Wai; MPP York Centre, Roman Baber; Baycrest President and CEO, Dr. William Reichman; MPP Thornhill, Gila Martow; Chair, Baycrest Board of Directors, Dale H. Lastman, C.M.; Baycrest Foundation President and CEO, Josh Cooper; CABHI Managing Director and Vice President Research, Dr. Allison Sekuler; Parliamentary Assistant to the Minister of Health and MPP for Eglinton-Lawrence, Robin Martin.*

In mid-March 2020, our [What's Next Canada Conference](#), Canada's premier aging and brain health conference, quickly pivoted to become a successful virtual event with 43 international speakers and thought leaders, and a global pitch competition.

All of this would not be possible without our funders, partners, investors and supporters within and beyond Canada, such as the Baycrest Foundation, Public Health Agency of Canada, Ontario government and the individuals of our Board of Directors, Innovation Advisory Council, Seniors Advisory Panel and wider Baycrest community, whose expertise in geriatric care guides our work. Your collaboration enables all of us at CABHI and the companies we support to build a broader culture of innovation.

Despite the challenges presented by COVID-19, we are highly engaged by the amplified interest in and commitment to improving the quality of life for older adults and their caregivers. CABHI's

leadership will grow our innovation pipeline and accelerate entirely new approaches and solutions to longstanding problems. Our ongoing commitment is to innovation in aging and brain health, enhancing the efficiency of the healthcare system, growing Ontarian and Canadian companies, and improving the health, social and economic outcomes of our region, nation and broader world.

---

#### **William E. Reichman, MD**

*President and Chief Executive Officer*

**Baycrest and Centre for Aging + Brain Health Innovation**

#### **Allison Sekuler, PhD**

*Vice-President Research and Sandra A. Rotman Chair in Cognitive Neuroscience*

**Baycrest**

*Managing Director*

**Centre for Aging + Brain Health Innovation and Rotman Research Institute**



CABHI-funded projects and companies gained recognition this year by winning awards, and generating media attention for unique solutions that improve quality of life for older adults.

**Careteam**, a digital health coordination and collaboration platform, received federal funding for a second project under Canada's Digital Supercluster in January.

**Curiato** tackles bedsores, a problem estimated to cost seven lives an hour and up to \$20B/year, through its AI-driven skin data platform. The company partnered with Grace Health Centre in Toronto and CABHI to retrofit existing mattresses and conduct more than 100 feasibility trials with high risk patients.

**iGeriCare**, an online learning resource platform for people newly diagnosed with dementia and their care partners, earned a Silver Award in Health Information Resource Center's 2019 Spring Digital Health Awards in the category of Web-based Digital Health: Interactive Content.

**MindfulGarden** is a unique digital experience that de-escalates agitation among people living with dementia in hospitals and long-term care settings. The platform reacts to a patient's distress cues by displaying soothing images that help to redirect their anxiety. This year, the company launched a clinical validation study through CABHI with Fraser Health.

Strong impact and resident testimonials for **Oasis Senior Supportive Living: A Model for Active Aging-in-Place** resulted in a funding extension from the Local Health Integration Network (LHIN):

*"Life was lonely and somewhat boring before Oasis came here. Now we enjoy the companionship and friendship as we get busy painting, sewing, knitting etc. Every couple of months we have a large lunch, enjoyed by all in the building."*

**RetiSpec's** non-invasive eye scanner aims to identify people at risk of developing Alzheimer's Disease. In 2019, RetiSpec received an award of up to \$500,000 USD from the Alzheimer's Drug Discovery Foundation Diagnostics Accelerator, funded in part by Bill Gates and Jeff Bezos, for commercialization of their technology. RetiSpec also secured a \$250,000+ investment from iGan Partners.

The **SmArt Aging Project of Newfoundland** received media attention for its innovative approach to reducing social isolation by connecting older adults with mild to moderate frailty and cognitive decline with artists.

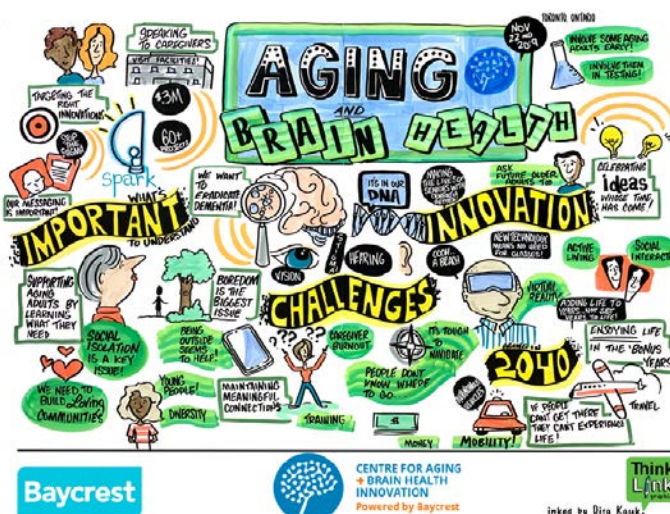
**YouQuest**, community services dedicated to people with young onset dementia, received media attention, political praise and follow-on funding for its focus on an underserved group of people living with dementia.





CABHI welcomed academic, broadcaster and activist David Suzuki for his “The Nature of Things” episode, “Aging Well, Suzuki Style” (L – R): Jacqueline Baptist, James Mayer, Karol Kamecka, Spencer Giffin, Bianca Stern, Rebecca Ihlichik, Stacey Guy, David Suzuki, Allison Sekuler, Emunah Aswathy, Ryan Webster, Aaron Bergner, Shusmita Rashid, Sunny Han.

“What’s On Your Mind?” is more than a polite question at CABHI. This year, we conducted a series of community discussions across Canada to more deeply understand the lived experience of older adults, their caregivers and frontline healthcare workers. CABHI has been connecting older adults’ wisdom with innovators’ enthusiasm since its inception. The goal: to improve the success rate of innovations meant for older adults, and to ensure relevant problems are being solved.



Having now connected with hundreds of people—in person and virtually—through the initiative, and with a global pandemic highlighting the needs of older adults and the role advanced technology has in improving their lives, CABHI’s proprietary understanding is ready to be scaled. With the ambassadorship of its **Seniors Advisory Panel**, an experienced Toronto-based group of co-designers, CABHI will bring older adults, caregivers and frontline healthcare workers together with innovators from around the world, virtually and in real life, to collaborate on accessible and equitable solutions for the most important aging, brain health and dementia priorities.

Community discussion themes are captured in real time with insights informing our work with innovators.



CENTRE FOR AGING  
+ BRAIN HEALTH  
INNOVATION  
Powered by Baycrest

## ACCELERATING INNOVATION + AMPLIFYING IMPACT

**\$117M+** FUNDING DIRECTED TOWARD ADVANCING  
HEALTHCARE INNOVATIONS

**301**

PROJECTS  
LAUNCHED

**93%**

of all surveyed  
respondents  
reported that  
engagement  
with the CABHI  
network has  
been valuable

**88%**

of all surveyed  
respondents  
reported that  
they are satisfied  
with their  
relationship  
with CABHI

**84%**

of all surveyed  
respondents  
reported it would  
have been at least  
somewhat difficult  
to acquire CABHI-  
style support from  
another provider

**105,239**

PUBLIC WEBSITE  
VISITORS

**120+**

UNIQUE  
TRIAL SITES



## STAKEHOLDERS

CABHI Mobilizes a Community to Improve the  
Quality of Life and Experiences of Older Adults

**100%**

of strategic partner respondents\*  
indicated that CABHI positively  
impacted their ability to provide  
innovations to clients or members

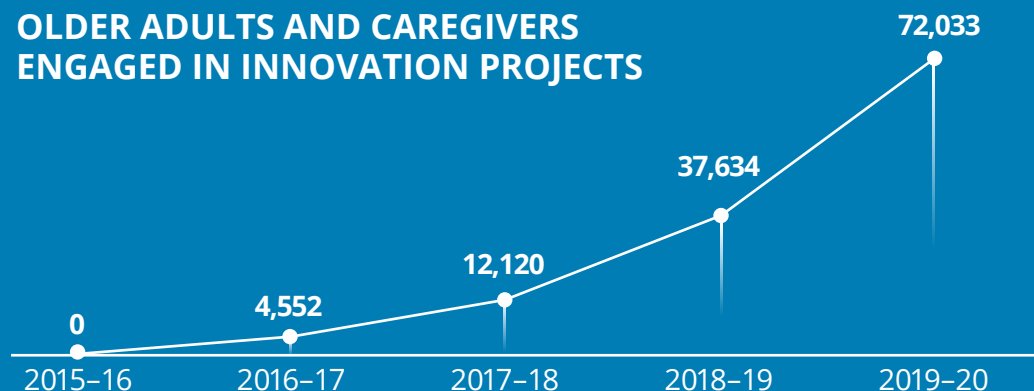
**87%**

of healthcare respondents indicated that  
CABHI positively impacted their ability to  
conduct product/model evaluation and  
validations with end-users

**420**

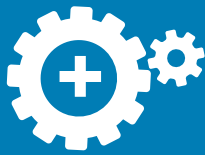
PRODUCTS,  
PRACTICES,  
OR SERVICES  
DEVELOPED

### OLDER ADULTS AND CAREGIVERS ENGAGED IN INNOVATION PROJECTS



Data sourced from The Evidence Network 2020 annual survey, project key performance indicator reports, and CABHI administrative data.

\* Strategic partners are domestic and international organizations including Aging 2.0, Alberta Innovates, Innovation Norway, New Brunswick Health Research Foundation, Saskatchewan Health Research Foundation and Seniors Quality Leap Initiative partners, such as Johns Hopkins Bayview Medical Center.



## HEALTH SYSTEM

CABHI Improves Performance, Efficiency and Effectiveness

**97%**

of healthcare respondents indicated that CABHI positively impacted their ability to develop new or improved healthcare practices for practical application

**85%**

of healthcare respondents indicated that CABHI positively impacted their ability to engage in new clinical practices

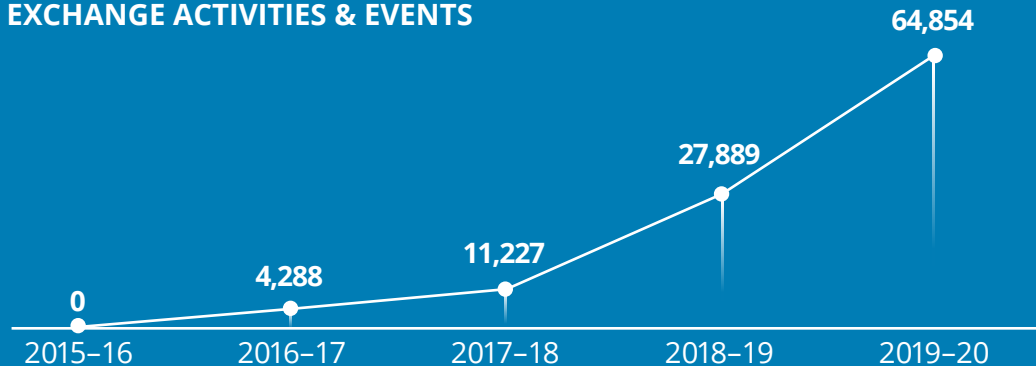
**313**

PRODUCTS,  
PRACTICES,  
OR SERVICES  
EVALUATED

**17,961**

Clinicians  
Engaged in  
Innovation

### AUDIENCE ENGAGED IN KNOWLEDGE EXCHANGE ACTIVITIES & EVENTS



## ECONOMIC + SOCIAL IMPACT

CABHI Amplifies Economic and Social Impact

**\$110M+**

SECURED INVESTMENTS BY CABHI INNOVATORS AND COMPANIES EXTERNAL TO INNOVATION PROJECTS

**100%**

of strategic partner respondents indicated that CABHI positively impacted their ability to advance their mandates

**100%**

of strategic partner respondents indicated that CABHI positively impacted their organization's knowledge of best practices, research findings, or innovation in aging and brain health

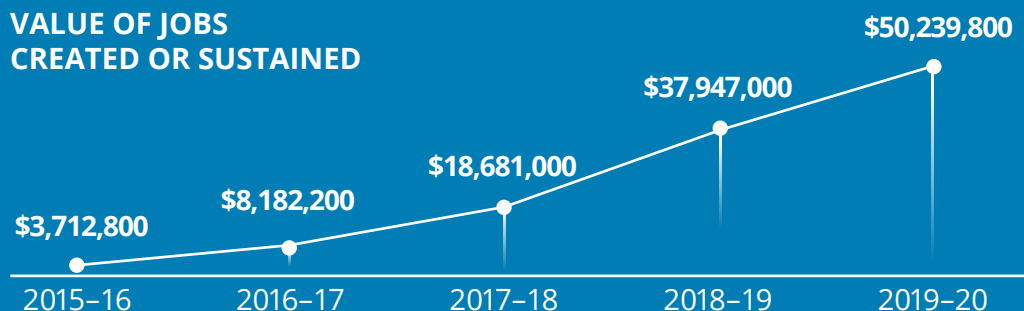
**92%**

of industry partner respondents indicated that CABHI positively impacted their ability to develop new technologies or refine existing technologies

**172**

PRODUCTS,  
PRACTICES,  
OR SERVICES  
INTRODUCED

### VALUE OF JOBS CREATED OR SUSTAINED



# Financial Report

SOURCE OF FUNDS	2019-2020	TOTAL PROGRAM-TO-DATE (Y5)
<b>Cash Contributions</b>		
Public Health Agency of Canada	\$10,000,000	\$42,000,000
Ministry of Economic Development, Job Creation and Trade	\$4,700,000	\$23,500,000
Industry Partners	\$15,000	\$409,081
Other Funding	\$78,758	\$345,123
<b>Total</b>	<b>\$14,793,758</b>	<b>\$66,254,204</b>
<b>Matching &amp; In-Kind Contributions</b>		
Baycrest	\$1,200,000	\$6,000,000
Baycrest Foundation*	\$5,672,703	\$16,562,334
Industry Partner Contributions	\$5,540,766	\$14,635,069
Other Partner Contributions	\$5,738,712	\$14,470,021
<b>Total</b>	<b>\$18,152,181</b>	<b>\$51,667,424</b>
<b>TOTAL CABHI SOURCE OF FUNDS</b>	<b>\$32,945,939</b>	<b>\$117,921,628</b>

## USE OF FUNDS

<b>Programs</b>		
Spark Program	\$2,924,445	\$7,548,031
Industry Innovation Partnership Program (I <sup>2</sup> P <sup>2</sup> )	\$1,732,695	\$8,200,017
Researcher-Clinician Partnership Program (RCP <sup>2</sup> )	\$2,037,065	\$8,626,839
Knowledge Mobilization Partnership Program (KMP <sup>2</sup> )	(\$38,562)	\$2,832,795
Mentorship, Capital and Continuation Program (MC <sup>2</sup> )	\$878,104	\$878,104
Regional Impact Programs	\$519,650	\$1,935,750
Strategic Programs	\$3,204,597	\$11,696,635
Project Support & Implementation	\$1,733,636	\$ 9,697,369
Industry Partner Contributions	\$5,540,766	\$14,635,069
Other Partner Contributions	\$5,738,712	\$14,470,021
Brain Health Foundations Program	\$3,517,165	\$13,599,315
Capital & Equipment	\$1,263,051	\$2,614,244
<b>Total</b>	<b>\$29,051,324</b>	<b>\$96,734,188</b>
<b>Operations</b>		
Program Administration	\$2,694,615	\$14,450,856
Capital & Equipment	\$0	\$736,584
<b>Total</b>	<b>\$2,694,615</b>	<b>\$15,187,440</b>
<b>Indirect Support</b>		
Rent & Facilities	\$1,200,000	\$6,000,000
<b>Total</b>	<b>\$1,200,000</b>	<b>\$6,000,000</b>
<b>TOTAL CABHI USE OF FUNDS</b>	<b>\$32,945,939</b>	<b>\$117,921,628</b>

\*Baycrest Foundation fundraising in support of CABHI as of March 31, 2020: funding disseminated (\$16.6 million), funding available/restricted to projects (\$9.3 million), funding pledged for future use (\$8.9 million).



CABHI wishes to thank the members of its Board of Directors, Innovation Advisory Council and Seniors Advisory Panel for their leadership, insights and commitment to bringing innovation to aging and brain health. We learn so much from you and appreciate your volunteerism.

**BOARD OF DIRECTORS:**

Jeff Blidner (Chair)  
John Albright  
Sara Diamond  
Ken Dryden  
Chris Hodgson  
Shirlee Sharkey  
Katie Sloan  
Tonya Surman  
Andrew Szende

**INNOVATION  
ADVISORY COUNCIL:**

Gretchen Addi  
Dr. Edward Brown  
Ted Chang  
William (Bill) Charnetski  
Candace Chartier  
Dr. Howard Chertkow  
Candice Faktor  
Dr. Howard Feldman  
Mary Furlong  
Ariel Garten  
Steve Irvine  
Tarek Naguib  
Dr. Samir Sinha  
Dr. Gary Small  
Glenn Smith  
Jason Tafler  
Shauna Turner  
Peter Whitehouse  
Louis Woolf  
Jennifer Zelmer

**SENIORS ADVISORY PANEL:**

Deborah Bernstein (Co-chair)  
Anne Kerr (Co-chair)  
Hilary Randall-Grace (Co-chair)  
Ron Beleno  
Toby Belkin  
Laurie Bernick  
Syrelle Bernstein  
Sue Drohan  
Ian Goldman  
Sam Herskovitz  
Ann Laski  
Renee Leventhal  
Rene Pardo  
Rachel Schlesinger  
Walter Seaton  
Bev Shukyn  
Linda Somers  
Eva Ticktin



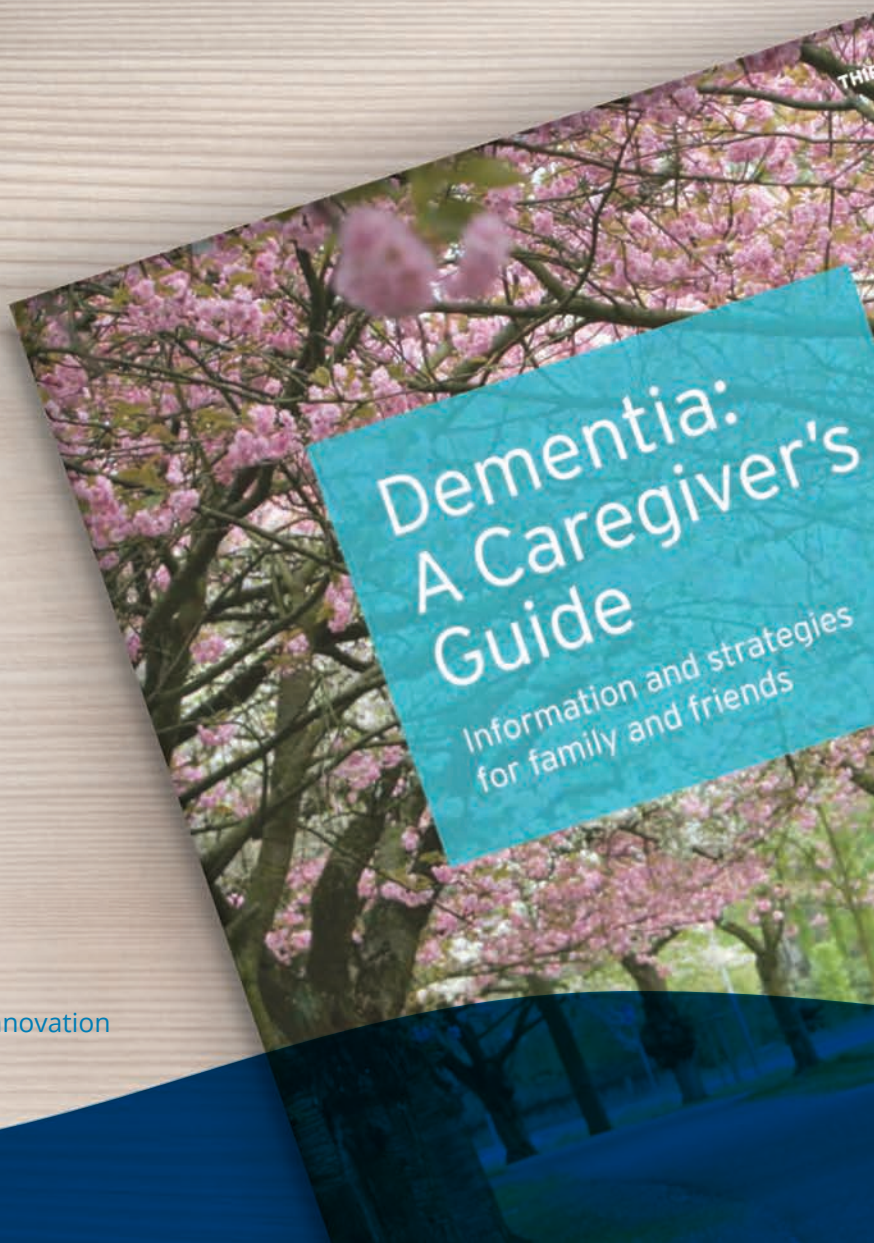
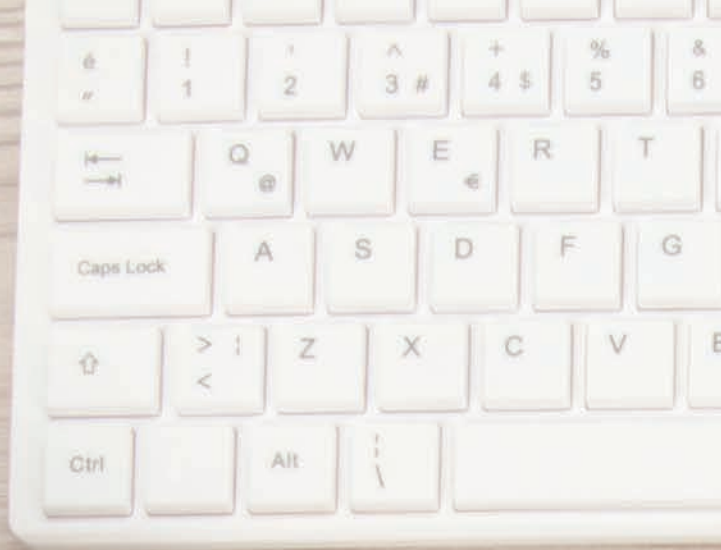
Public Health  
Agency of Canada

Agence de la santé  
publique du Canada



The views expressed herein do not necessarily represent the views of the Public Health Agency of Canada.

The Ontario Network of Entrepreneurs (ONE) is funded by the Government of Ontario. For more information visit [ONEbusiness.ca](http://ONEbusiness.ca). The views expressed herein are the view of The Centre for Aging + Brain Health Innovation and do not necessarily reflect those of the Government of Ontario.



**CENTRE FOR AGING  
+ BRAIN HEALTH  
INNOVATION**

**Powered by Baycrest**

3560 Bathurst Street  
Toronto, ON M6A 2E1  
T: 416-785-2500  
info@cabhi.com  
**cabhi.com**

 @CABHI\_  @CABHIINFO

 Centre for Aging + Brain Health Innovation