

INNOVATION in Ontario

March 6 2017

Courtyard by Marriott Downtown Toronto
475 Yonge Street, Toronto, ON

UpOnDigital

THE UPDATE
ON **ONTARIO**
DIGITAL HEALTH

2017



Thank you for joining us for *UpOnDigital – The Update on Ontario Digital Health “Innovation in Ontario”*. At this conference, public sector leaders will discuss how innovation is supporting their agenda, where the gaps are, and what successful projects have been done to date. How can we leverage the experiences and lessons learned? What are the challenges and opportunities?

All organizations in Ontario are trying to Innovate and are at different levels of maturity. We have in the province: 29,000 physicians, 150,000 nurses, thousands of other health care providers, 14 Local Health Integration Networks, 156 hospital corporations that operate 238 hospital locations, 14 community care access centres, 36 public health units, 76 community health centres, more than 4,000 pharmacies, 23 active community laboratories, and 928 independent health facilities (36 ambulatory and 892 diagnostic). All are creating important health information about Ontario’s 14 million patients and health care service users, and all need innovation to provide the best care possible for patients within cost constraints in the pursuit of value for money. All organizations are trying to support Patients First, Health Links, Population Health, Health System Funding Reform and Bundled Payments.

The future depends on innovation. Our public health care system is an essential fabric of our society, but also a potential differentiator in helping to grow a modern economy. The future of our public healthcare system depends on innovation. Stakeholders across Canada and in Ontario have been tasked with developing a system that creates and delivers innovation in the Digital Health Innovation Ecosystem (DHIE).

We will be asking the important questions. Have our current digital health innovations created value to strengthen our healthcare system? Have these innovations created value? Could it create more? If so, how? And what more needs to be done in the DHIE to produce better clinical outcomes? How can we improve the public sector patient experience while creating economic growth?

CPHIMS-CA credential holders are eligible to earn five Continuing Education hours to put towards their CPHIMS-CA renewal for attending the conference.

Attendees will also receive a certificate of attendance as evidence of their participation at the conference.



INNOVATION IN ONTARIO: SPEAKERS



Bill Charnetski, Chief Health Innovation Strategist, Ministry of Health and Long Term Care is an accomplished national and global executive who has worked in the highest levels of business, law and government. He has a track record of leading transformational change, developing organizations, leading people to realize their potential, fostering internal and external partnerships and collaboration, and delivering results. He has spent more than 10 years working on integrated health solutions in Canada and around the world in the rapidly changing global pharmaceutical industry. His work across the Canadian health care system has included building collaborative approaches to adopting innovative value-adding technologies across a variety of fields of study. In particular, he was an original member of the Advisory Council of the Ivey International Centre for Health Innovation at Western University and the Steering Committee of the Centre for the Advancement of Health Innovation (within the Conference Board of Canada), and a member of the Board of Directors of the Institute of Health Economics in Edmonton. Mr. Charnetski served as the first Chief of Staff to The Hon. William Graham, P.C., Q.C. when Mr. Graham was Chair of the Standing Committee on Foreign Affairs and International Trade. He also was Senior Advisor to The Hon. Allan Rock, P.C., Q.C. when Mr. Rock was Minister of Justice and Attorney-General of Canada. He has worked on a wide range of justice public policy issues, including those related to health care, human rights, constitutional law and criminal law.



Dr. Tania Massa, Director, Innovation Procurement, Ontario Centres of Excellence is responsible for the portfolio of Innovation Procurement programs: AdvancingHealth, AdvancingEducation, REACH, and Health Technologies Fund. During her 10 years at OCE, she has served as a Technology Transfer Associate, Business Development Manager and Director, Programs. She brings expertise in the areas of biomedical engineering, industry-academic collaborations and intellectual property development. Tania holds a B.A.Sc. in Engineering Science and a Ph.D. in Chemical Engineering, both biomedical collaborative options from the University of Toronto.



Dr. Ed Brown, Chief Executive Officer, Ontario Telemedicine Network has been recognized nationally and internationally for his contribution to the field. He has received numerous awards for his work, including being chosen as one of 25 Transformational Canadians by a national media panel sponsored by the Globe and Mail, CTV and La Presse in 2011. Most recently, he was awarded a Meritorious Service Medal by the Governor General of Canada in 2016 for his contribution to health care. He currently sits on the board of OntarioMD and is a past President and Fellow of the American Telemedicine Association. An emergency physician who studied mathematics and engineering before embarking on his medical career, Dr. Brown is a passionate advocate for telemedicine as a tool to improve access to care, quality of care, patient experience and the sustainability of healthcare systems.



Dr. Darren Larsen, Chief Medical Information Officer, OntarioMD provides clinical advice on all aspects of OntarioMD's evolving work in advancing electronic record keeping and data management in primary care and community specialist clinics. This includes clinical practice change, quality improvement, data quality and analytics, EMR maturity measurement, and has expanded to focus on system level partnerships. Darren obtained his BSc at the University of Alberta, MD at the University of Calgary, and did residency at the University of Ottawa. He holds a Masters Certificate in Physician Leadership from York University's Schulich School of Executive Management. Clinically, he practices and teaches through the University of Toronto Department of Community and Family Medicine at Women's College Hospital Family Practice Health Centre.

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Dr. Anne Snowden, Innovation partnerships and co-design as a procurement approach Academic Chair, World Health Innovation Network (WIN) is a Professor and academic chair of the World Health Innovation Network, at the University of Windsor's Odette School of Business. Dr. Snowden leads the World Health Innovation Network at the Odette School of Business, the first Canadian health innovation center with formal ties to the United States. She works to build collaborative partnerships between the two countries to advance the health of populations, accelerate health system innovation to achieve sustainability, economic value, and productivity by providing support for innovators and entrepreneurs to successfully bring their discoveries to the Canadian, U.S., and world markets. Currently, Dr. Snowden is leading over 15 innovation research initiatives across seven Canadian provinces that collaborate with government, health professionals, private industry, foundations and families. She is a member of the Institute for Health System Innovation of the Canadian Institutes for Health Research, and is a Board Member of Alberta Innovates. Dr. Snowden has published more than 100 research articles, papers and cases, has received over \$15 million in research funding, holds patents, and has commercialized a highly successful booster seat product for children traveling in vehicles. She holds a PhD in Nursing from the University of Michigan. She is a Fulbright Scholar.



Shahira Bhimani, Director, MaRS EXCITE and Vice President, Business Development and Operations, EXCITE International plays an instrumental role in operationalizing the MaRS EXCITE model globally. Shahira also advises medical device innovators within the MaRS portfolio and provides strategic commercialization support. Shahira brings expertise and a network of local and international partners to the fields of innovation procurement and medical device reimbursement. Her knowledge around product development and commercialization/reimbursement of medical devices has allowed Shahira to provide guidance to innovative medical device companies in developing multi-market access strategies for evidence generation, commercialization and innovation adoption. As an entrepreneur and clinician, Shahira brings a patient/clinical perspective as well as business acumen in medical device development and commercialization. Shahira holds a B.Sc in Physical Therapy from the University of Western Ontario and a Masters in International Health Technology Assessment and Management from the University of Montreal.



Hadi Salah, Program Manager, MaRS Procurement and Co-design, a novel procurement approach to help providers collaborate with vendors, co-design, and evaluate innovative solution to healthcare challenges. Hadi is also co-founder of Hacking Health, a movement of health innovators that now spans 60+ cities in over 33 countries around the world.



Dr. Sunny Kumar, Director, Innovation Ecosystem Group, Canada Health Infoway is a skilled professional who possesses advanced scientific training and commands deep experience in innovation, venture capital, portfolio management, business development, operational management, and technology transfer. He has engaged with private and non-profit organizations to leverage his corporate and entrepreneurial acumen to deliver value for the enterprise and its stakeholders. Dr. Kumar has led the corporate development of numerous organizations and has been responsible for deployment of several millions of dollars of investment capital into dozens of start-ups. He was appointed to the Board of Directors of numerous investee companies as well as non-profits. Dr. Kumar holds Master's and Doctoral level degrees from the University of Toronto and completed post-doctoral studies at Harvard Medical School. In his current role as Director, Innovation Ecosystem Group at Canada Health Infoway, Dr. Kumar provides leadership on the development of strategy and partnerships for the digital health innovation ecosystem.

INNOVATION IN ONTARIO: SPEAKERS



Paul Brown, General Manager, Mohawk College's MEDIC Applied Research Centre oversees international projects which include the creation of OpenIZ, an open-sourced immunization platform for Tanzania, implementations of the Everest Client Registry in South-East Asia, and educational knowledge transfers around the world. In North America, his partnerships include NSERC, IRAP, DATIM, eHealth Ontario, Canada Health Infoway, and Ontario's Ministry of Long-Term Health Care. He is responsible for the delivery of the NSERC digital health Technology Access Centre program which provides technical and business development to small and medium sized enterprises across Canada. A passionate advocate for innovation, Mr. Brown creates linkages between entrepreneurs, funders, and government agencies. He is a proud graduate of Software Engineering at Mohawk College and McMaster University. He has mentored hundreds of students to provide the industry with new future ready technologists.



Mike Van Hooydonk, Manager of Solutions Architecture, eHealth Ontario develops and supports guidelines for EHR connectivity in Ontario, as well as managing the agency's Innovation Lab initiative. Mike has 23 years' experience in architecting, designing, developing, and documenting IT solutions throughout their entire life cycle. He has a broad IT background that includes database design and administration, web portal technologies, systems integration, and Healthcare IT experience in medication management and clinical referral solutions. Mike is a Certified Professional in Healthcare Information and Management Systems – Canadian Specialty (CPHIMS-CA). He has a Bachelor of Science degree in Computer Science from Wilfrid Laurier University.



Ron Riesenbach, Vice-President of Innovation and Chief Technology Officer, Baycrest Health Sciences and the Centre for Aging and Brain Health Innovation (CABHI). With \$124M in funding, Ron leads the CABHI team which supports dozens of multi-disciplinary projects driving clinical innovation and creating economic activity at Baycrest and across North America.



Gary Ryan, Chief Innovation Officer and Vice President of Partnerships, Business Development and Clinical Support Services, Southlake was previously Southlake's Chief Operating Officer (COO) overseeing the financial and operational performance of Southlake. Gary also had a similar mandate for the Southlake Residential Care Village as the Corporate Secretary to the Board and was also previously CEO of Stevenson Memorial Hospital in Alliston. Gary graduated from McGill University with a Bachelor of Science in Physiology in 1979, and in 1982, obtained a Master of Speech-Language Pathology from the University of Toronto. In 2001, he completed a Master of Business Administration from the University of Toronto.



Ted Scott, Chief Innovation Officer, Hamilton Health Sciences focuses on bringing resources, partnerships and thought leadership to the significant efforts that already exist in the organization to develop new ideas, processes, technologies and approaches. In addition, Ted is the prime interface with IBM and HHS partners in the exciting Collaboration and Innovation Centre (CIC). Previously, Ted was the inaugural Chief Innovation Officer at Mohawk College and led the development of the college's applied research and innovation programs. Ted holds an Advanced Diploma in Radiography and a Graduate Certificate in Sonography from Mohawk College as well as a Masters of Applied Science in Medical Ultrasound and a PhD from Charles Sturt University of Australia.



Dr. Aviv Gladman, Chief Medical Information Officer, Mackenzie Health is a licensed electrical and medical engineer who was mystified by the disconnect between clinicians and technology, and went on to train in critical care medicine. He has a leadership role in applied innovation as Chief Medical Information Officer at Mackenzie Health, and expertise in intelligent workflow automation, the Real Time Health System and the Internet of Healthcare Things, and disruptive change.

INNOVATION IN ONTARIO: AGENDA

8 - 9	REGISTRATION & BREAKFAST	<i>Courtyard Foyer</i>
9 - 9:15	WELCOME	<i>Courtyard Hall</i>
9:15 - 10:15	<p>KEYNOTE</p> <p>Ontario's first Chief Health Innovation Strategist, Bill Charnetski, will speak on the innovation imperative facing Ontario's health care system and the challenges in shifting to a knowledge-based economy; something at which Ontario can win by investing in new innovations and leveraging investment to drive economic development. OCHIS (Office of the Chief Health Innovation Strategist) will work towards fostering a more innovative health care environment by optimizing pathways to adoption and diffusion of new health technologies into the health care system.</p>	<i>Courtyard Hall</i>
10:15-11:15	CONCURRENT SESSIONS 1	
	<p>Session 1A: OCE Innovation Procurement Programs</p> <p>Learn about the Ontario Centres of Excellence (OCE) network and business development engagement model and the continuum of Innovation Procurement programs, and how OCE works with the public sector such as hospitals and ministries. Includes project examples and early outcomes from OCE's Innovation Procurement programs. <i>Dr. Tania Massa, Director, Innovation Procurement, Ontario Centres of Excellence</i></p>	<i>Courtyard Hall</i>
	<p>Session 1B: Ontario Telemedicine Network</p> <p>From remote home monitoring for chronic disease to apps that manage everything from kidney disease to mental health at home, there are many telemedicine solutions available right now that can significantly enhance access, improve quality, and reduce the cost of health care delivery. The challenge is validating and curating the solutions, finding the business models and policy to support their use, and inspiring their wide adoption by healthcare providers, organizations and the public. OTN has initiated an effort to help identify and scale models of care that may solve some of the thorniest problems in health care and catalyze more rapid and effective virtual health care adoption. <i>Dr. Ed Brown, Ontario Telemedicine Network</i></p>	<i>Alexander Room</i>
	<p>Session 1B: From Slip and Slide to Scale and Spread: Exploring Innovation in Primary Care</p> <p>Innovation abounds in the world of Primary Care, from technology, to clinical care, to policy, but often it exists on the fringes and languishes in adoption. How do we make sense of the noise? How do we move from the innovative to the common? This session will explore the path to change and some of the issues in scaling and spreading the great ideas of Primary Care clinicians! <i>Dr. Darren Larsen, OntarioMD</i></p>	
11:15-11:45	BREAK	<i>Courtyard Foyer</i>
11:45-12:45	CONCURRENT SESSIONS 2	
	<p>SESSION 2A: A Global Strategy to Accelerate Supply Chain Innovation to Strengthen Health System Quality and Safety</p> <p>One of the greatest challenges facing healthcare systems is patient safety: medical error has now become the third leading cause of death in North America. Not only are adverse events devastating for patients and their families, they are very costly to organizations, and healthcare systems. In this presentation, a global strategy to improve patient safety and performance will be described that engages health systems to leverage supply chain innovation to proactively reduce the risk of error. Development of supply chain infrastructure in clinical environments will protect patients by making it much less likely for errors to occur, enable tracking and tracing of products from manufacturer to patient outcomes to identify product performance, and improve patient safety across healthcare systems. Adopting and scaling supply chain best practices in healthcare systems will achieve value for patients and populations, improve performance and health system sustainability, and economic growth for companies. <i>Anne Snowdon, Innovation partnerships and co-design as a procurement approach Academic Chair, World Health Innovation Network (WIN)</i></p>	<i>Courtyard Hall</i>

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11:45-12:45	<p>SESSION 2B: MaRS EXCITE <i>Alexander Room</i></p> <p>The MaRS Excellence in Clinical Innovation and Technology Evaluation (EXCITE) program aims to smooth the pathway to health system adoption for highly disruptive and breakthrough health technologies. This session will focus on what system barriers exist in Ontario with respect to health technology adoption, and how EXCITE is addressing them through its unique model of ecosystem stakeholder engagement and evidence generation.</p> <p><i>Shahira Bhimani, Director, MaRS EXCITE</i></p> <p>SESSION 2B: Innovation partnerships and co-design as a procurement approach</p> <p>MaRS is piloting a novel procurement approach with healthcare providers, using design approaches to co-create novel solutions that meet the demands of specific healthcare challenges. An update to the program and example projects will be highlighted, and a note about what's next.</p> <p><i>Hadi Salah, Program Manager, MaRS Procurement & Co-Design</i></p>
12:45 - 1:45	<p>LUNCH <i>Courtyard Foyer</i></p>
1:45 - 2:45	<p>CONCURRENT SESSIONS 3</p> <p>SESSION 3A: Transforming Healthcare Through Digital Health Innovation <i>Courtyard Hall</i></p> <p>Canada Health Infoway (Infoway) helps to improve the health of Canadians by working with partners to accelerate the development, adoption and effective use of digital health innovations across Canada. Through our investments, we help deliver better quality and access to care and more efficient delivery of health services for patients and clinicians. Established in 2001, Infoway is an independent, not-for-profit organization funded by the federal government. The presentation will discuss the historical and future direction of digital health innovation enabled by Infoway.</p> <p><i>Dr. Sunny Kumar, Director, Innovation Ecosystem Group, Canada Health Infoway</i></p> <p>SESSION 3B: A Platform for Digital Health Innovation in Ontario <i>Alexander Room</i></p> <p>Introducing the eHealth Ontario Innovation Lab, powered by Mohawk College. Launched in April 2016, the Innovation Lab is the result of a strategic partnership between eHealth Ontario and Mohawk College's MEDIC program. The lab is a virtual environment that allows users to understand and experiment with basic EHR services and connectivity. Topics to be covered include: Why a platform for innovation?; Our approach; Innovation Lab service offerings; and, How the Innovation Lab contributes to health care transformation in Ontario.</p> <p><i>Paul Brown, Manager, MEDIC Applied Research Centre, Mohawk College;</i> <i>Mike Van Hooydonk, Manager of Solutions Architecture, eHealth Ontario</i></p>
2:45 - 3:15	<p>BREAK <i>Courtyard Foyer</i></p>
3:15 - 4:30	<p>HOSPITAL PANEL: Measuring Innovation Success <i>Courtyard Hall</i></p> <p>Hospital innovation leaders will discuss how innovation centres have contributed to hospital success and made impactful change in 2016, and what future plans may hold.</p> <p><i>Ron Riesenbach, Baycrest Health Sciences; Gary Ryan, Southlake; Ted Scott, Hamilton Health Sciences;</i> <i>Dr. Aviv Gladman, Chief Medical Information Officer, Mackenzie Health</i></p>
4:30 - 4:45	<p>CLOSING REMARKS <i>Courtyard Hall</i></p> <p><i>Mark Casselman, CEO, COACH: Canada's Health Informatics Association</i></p>

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