



UBC CENTRE FOR
HEALTH SERVICES AND
POLICY RESEARCH

THE SYSTEM AWAKENS

Building Learning Health
Systems in Canada

March 8-9 | Pinnacle Hotel Harbourfront

CHSPR 2018
HEALTH POLICY CONFERENCE

Welcome

The UBC Centre for Health Services and Policy Research warmly welcomes you to Vancouver and our 30th Annual Health Policy Conference.

Our theme for this year's conference—learning health systems—reflects our interest in joining a growing international conversation around structural changes to improve health and health care. We are at a moment when technology writ large is catching up with our academic and theoretical desires. Data are everywhere, but so are the means to create and connect networks of people with common interests, and to create systems for understanding, using and sharing knowledge.

A learning health system is one in which every patient interaction is treated as a learning opportunity, in the service of overall system improvement. Speakers at this conference will share the latest thinking on learning health systems and facilitate conversations on how British Columbia can adopt and adapt the principles and practices that distinguish such systems.

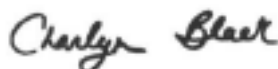
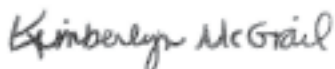
We are fortunate to have an outstanding line-up of speakers whose daily work is in building various parts of learning health systems. This includes international speakers and those from other parts of Canada, but also those with some innovative and inspirational stories from within British Columbia. Our hope is to learn what we can, understand what we have in BC on which to build, and leave the conference with concrete plans for next steps.

Last year was the first time that a CHSPR conference included concurrent sessions. It was a big success and so is repeated here, along with our usual offering of posters both on learning health system topics and health services and policy research more generally. This year for the first time we are also including a working session for all of you, as a way to help create an inventory of building blocks for BC's learning health system.

We hope you will find the next 1.5 days informative and inspiring, and that we can continue conversations long past the end of the conference. Toward that goal, we are working with a documentary filmmaker who will produce a series of short videos on what learning health systems need and what they can achieve.

We are delighted to have a remarkable mix of conference attendees, including patients and community members, policy-makers, front-line staff and clinical providers, academics, students and trainees. Thank you for taking the time to be here and for doing all that you can to help **awaken our health system in BC**.

Sincerely,



Kim McGrail and Charlyn Black, conference co-chairs

Schedule

Day 1: Thursday, March 8

8:00 am	Registration and breakfast	
8:45 am	Welcome remarks	
	Heather Davidson, BC Ministry of Health	
	Sabrina Wong, UBC Centre for Health Services and Policy Research	
	Coast Salish Elder Roberta Price, Snuneymuxw and Cowichan First Nations	
	Kim McGrail, UBC Centre for Health Services and Policy Research	
9:20 am	Keynote Envisioning the learning health system	
	What defines learning health systems, and what benefits can they offer?	
	Chair	Kim McGrail, UBC Centre for Health Services and Policy Research
	Speaker	Charles Friedman, University of Michigan Medical School
	Audience Q&A	
10:15 am	Refreshment break	
10:45 am	Panel I A New Hope: Building blocks for a BC learning health system	
	Where are existing learning health systems or components of such systems in BC? How can we build on successes?	
	Chair	Robyn Tamblyn, CIHR Institute of Health Services and Policy Research
	Speaker	Jim Christenson, University of BC and BC Emergency Medicine Network
	Speaker	Doris Barwich, BC Centre for Palliative Care
	Speaker	Lillian Parsons, BC Ministry of Health and Providence Health Care
11:30 am	Breakout Clones and fractals: Your turn to identify other building blocks	
	Each table will work with a facilitator to identify precursors and starting points for our own learning health system.	
12:00 pm	Return of the Jedi	
	What have we heard? Where are we now?	
	Q&A with morning speakers	
12:30 pm	Lunch	
1:30 pm	Concurrent sessions	
	Session I: Conceptual frameworks for learning health systems (Salon D)	
	Session II: The learning cycle (Salon E)	
	Session III: Community and culture in learning health systems (Salon F)	
2:30 pm	Refreshment break	
3:00 pm	Panel II Galaxies not so far, far away: Perspectives from outside BC	
	Where are existing learning health systems or components of those systems outside BC? What have they achieved? What can they teach us about promising approaches for BC?	
	Chair	Zena Sharman, Michael Smith Foundation for Health Research
	Speaker	David Ford, Swansea University, Wales
	Speaker	Walter Wodchis, University of Toronto
	Speaker	Jean-François Ethier, Université de Sherbrooke
	Audience Q&A	
4:30 pm	Questions to ponder	
	Speaker	Steven Lewis, Access Consulting
	Speaker	Kim McGrail, UBC Centre for Health Services and Policy Research
4:45 pm	Poster session and networking reception	

Schedule

Day 2: Friday, March 9

8:00 am Breakfast

8:45 am Welcome and reflections on Day 1

Welcome Tom Noseworthy, incoming President and CEO of the BC Academic Health Sciences Network

Reflections Steven Lewis and friends

9:20 am Keynote | Advice from the Jedi: Ethical considerations in blurring the lines between research and practice

How do we accelerate learning without causing harm?

Chair Charlyn Black, UBC Centre for Health Services and Policy Research

Speaker Nancy Kass, The Johns Hopkins University

Audience Q&A

10:15 am Refreshment break

10:45 am Keynote | May the force be with you: What do we need to change to awaken the system?

What are the keys to change at the individual, practice, and system levels? How do we make the changes needed?

Chair Marc Pelletier, Institute for Health System Transformation & Sustainability

Speaker Lucy Savitz, Kaiser Permanente Center for Health Research

11:25 am Awakening the System: What have we learned?

Final Q&A with speakers and respondents

12:00 pm Closing remarks

Speaker Steven Lewis, Access Consulting

Speaker Kim McGrail, UBC Centre for Health Services and Policy Research

12:30 pm Invited post-conference session | Putting learning health system ideas into practice in BC

This three-hour facilitated session is a chance to work together to start applying what we've learned in BC. We will use a "world café" style approach to name key themes, and we hope to end with concrete plans for next steps. The room capacity for this session is 40 people; please check at the registration desk to see if spaces are still available. Lunch is included. (Salon D/E)

Share your thoughts using
#CHSPR2018

Visit us at www.chspr.ubc.ca

Speakers



Doris Barwich

Doris Barwich is the inaugural executive director of the BC Centre for Palliative Care, where she has established the Centre's strategic focus and mobilized provincial networks and partnerships. She is a palliative care clinician, educator and leader. Prior to joining the Centre in 2014, she co-led Fraser Health's End of Life Care program with several nationally and internationally recognized leading practices in Advance Care Planning, population health and program delivery. She is passionate about supporting transformative changes within the health care system and in society as a whole as we all embrace the challenges and opportunities of living and dying well in the 21st century.

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Jim Christenson

Jim Christenson is an emergency physician at St. Paul's Hospital in Vancouver and professor and head of the Department of Emergency Medicine at the University of BC. Jim's primary research interest is in resuscitation. He is a co-principal investigator for the Canadian Resuscitation Outcomes Consortium and has been involved in various aspects of cardiac arrest and trauma research for 25 years. Currently, he is leading a groundbreaking pre-hospital stroke study. Jim is proud to provide leadership to the BC Emergency Medicine Network, which is focused on supporting physicians in emergency departments by connecting practitioners with each other and with current, practical resources.

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Jean-François Ethier

Jean-François Ethier is an Assistant Professor in the Faculty of Medicine and Health Sciences at Université de Sherbrooke, an investigator at the Centre de recherche du Centre hospitalier universitaire de Sherbrooke (CHUS), and deputy director for the Data Platforms and Services group of the Québec SPOR Support Unit. His research focuses on methods for supporting semantic interoperability between various systems, organizing and structuring biomedical data warehouses, and relating heterogeneous data (structurally, geographically and terminologically). These methods support information transfer between basic research, clinical research, and ultimately patient care.

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Charles Friedman

Charles "Chuck" Friedman is the Chair of the Department of Learning Health Sciences and the Josiah Macy Jr. Professor of Medical Education at the University of Michigan Medical School, as well as a professor of information and of public health. Dr. Friedman is focused on building a learning health system at the University of Michigan and in the state. Dr. Friedman first explored the concept of learning health systems in 2010 through the Institute of Medicine while at the Office of the National Coordinator for Health IT. Dr. Friedman's research emphasizes large-scale information infrastructures and resources to improve health, how individuals and groups interact with information resources, and methods for studying the outcomes of these interactions.

Dr. Friedman is focused on building a learning health system at the University of Michigan and in the state. Dr. Friedman first explored the concept of learning health systems in 2010 through the Institute of Medicine while at the Office of the National Coordinator for Health IT. Dr. Friedman's research emphasizes large-scale information infrastructures and resources to improve health, how individuals and groups interact with information resources, and methods for studying the outcomes of these interactions.

Speakers



David Ford

David Ford is Professor of Health Informatics and leads the Health Informatics Group in the College of Medicine at Swansea University, Wales. He is Director of the Administrative Data Research Centre Wales and

Deputy Director of the Centre for Improvement in Population Health through E-records Research (CIPHER), part of the Farr Institute of Health Informatics Research. David is also Director of the eHealth Industries Innovation Centre, developing links between academia, the National Health Service, and business within the UK and internationally. He is also University Director of NHS Wales Informatics Research Laboratories, which provide state-of-the-art facilities to design, prototype, test and evaluate innovative new information technologies for use in improving health and health care.



Nancy Kass

Nancy Kass is the Vice Provost for Graduate and Professional Education and the Phoebe R. Berman Professor of Bioethics and Public Health at The Johns Hopkins University, where she is also both the Deputy Direc-

tor for Public Health in the Berman Institute of Bioethics and Professor of Health Policy and Management in The Johns Hopkins Bloomberg School of Public Health. She conducts empirical work in bioethics and health policy. Her publications are primarily in the field of US and international research ethics, HIV/AIDS ethics policy, public health ethics (including ethics and obesity prevention and ethics and public health preparedness), and ethics and the learning healthcare system.



Steven Lewis

Steven Lewis is a health policy and research consultant based in Saskatoon, and Adjunct Professor of Health Policy at Simon Fraser University. Prior to resuming a full-time consulting practice he headed a health research grant-

ing agency and spent seven years as CEO of the Health Services Utilization and Research Commission in Saskatchewan. He has served on various boards and committees, including the National Forum on Health, the Governing Council of the Canadian Institutes of Health Research, the Saskatchewan Health Quality Council, the Health Council of Canada, and the editorial boards of several journals. He writes and speaks frequently on topics such as the politics of health care, quality improvement, and equity in health and health care.



Kim McGrail

Kim McGrail is Faculty with the UBC Centre for Health Services and Policy Research, Scientific Director for Population Data BC, Data Lead at the BC SUPPORT Unit, and an Associate Professor at the UBC School of Popula-

tion and Public Health. Kim's research interests are in evaluation of health system policy interventions, aging and the use and cost of health care services, and governance of access to data for research purposes. Her research is conducted in collaboration with policy and decision makers, including the BC Ministry of Health, BC's Health Authorities, Canada Health Infoway, the Institute for Health System Transformation and Sustainability, and the Canadian Institute for Health Information.

Speakers



Lillian Parsons

Lillian Parsons is Project Manager for Patient-Centred Performance Measurement and Improvement at the BC Ministry of Health and Providence Health Care. She is responsible for the planning and implementation of scientifically rigorous,

province-wide, coordinated surveys of patient, resident or family satisfaction and experience of care in specific priority sectors. Most recently, Lillian led a team to design and implement the BC Office of the Seniors Advocate's Residential Care Survey, a province-wide initiative to better understand the experience of residents and their family members in long-term residential care homes.



Lucy Savitz

Lucy Savitz is a health services researcher with extensive experience translating scientific findings into clinical practice. As Director of the Kaiser Permanente Center for Health Research, Northwest and Hawaii, she oversees the

work of about 35 investigators and 255 staff members at offices in Oregon and Hawaii. Prior to joining Kaiser Permanente in 2017, Dr. Savitz served as assistant vice president for delivery system science in the Intermountain Healthcare Institute for Healthcare Delivery Research, where she was responsible for facilitating mission-critical health services research and enhancing the scientific stature of clinical investigators. She was also a research professor in epidemiology at the University of Utah School of Medicine as well as adjunct associate professor of nursing, pediatrics, and family & preventive medicine.



Walter Wodchis

Walter Wodchis is Faculty at the University of Toronto Institute for Health Policy, Management and Evaluation; Research Chair of Implementation and Evaluation Science and Senior Scientist at Trillium

Health Partners' Institute for Better Health; and Adjunct Scientist at the Institute for Clinical Evaluative Sciences. At the Institute for Better Health he leads research projects that align with the goals of Trillium Health Partners hospitals and supports the advancement of research work across the hospital—from primary care to medical devices and cardiology to new drug interventions—all with the intention of improving health and transforming care.

Concurrent sessions

Full abstracts are posted at
www.chspr.ubc.ca/conference

Session I: Conceptual frameworks for learning health systems

Salon D | Chair: Jason Sutherland, UBC Centre for Health Services and Policy Research

An evolving framework for learning health ecosystems in Canada

Marc-André Blanchette, Institut national d'excellence en santé et en services sociaux

Bringing the learning healthcare system principles home: Acknowledging and enhancing learning in the midst of everyday practice

Martha MacLeod, University of Northern British Columbia

Using the RE-AIM framework to evaluate a specialized medical-dental clinic for adults with developmental disabilities

Jonathan K.Y. Lai, McGill University and Centre for Innovation in Autism and Intellectual Disabilities

Using the learning health system framework to develop strategy for improving management of the elderly frail and patients with palliative needs

Ivy Cheng, Sunnybrook Health Sciences Center

Session II: The learning cycle

Salon E | Chair: Sabrina Wong, UBC Centre for Health Services and Policy Research

Using network science to understand the knowledge translation pathways that support evidence informed decision making in learning health systems

Krista English, UBC Institute for Resource, Environment and Sustainability

Changing primary care performance measurement: Honey, we need to talk

Carol Mulder, Association of Family Health Teams of Ontario

Connecting the dots: How an innovation hub can foster health system transformation

Candice Ashley Pollack, AGE-WELL National Innovation Hub

Assessing the feasibility of payable outcome measures in digital health: The case of youth mental health

Mark Embrett, Canada Health Infoway

Session III: Community and culture in learning health systems

Salon F | Chair: Michael Law, UBC Centre for Health Services and Policy Research

The PREFeR (PRioritiEs For Research) Project: Patient priorities for primary care research in BC

Louisa Edwards, Simon Fraser University Faculty of Health Sciences

Developing a research-informed organizational model for dementia care in a learning healthcare system

Margaret Saari, Saint Elizabeth Health Care and University of Waterloo

Increasing physician engagement at the hospital level: Evaluating a BC initiative

Chris Lovato, UBC School of Population and Public Health

Engage, educate and empower: A three step approach to create a culture of learning in Vancouver General Hospital Emergency Department

Parm Hari, Vancouver Coastal Health Authority

Posters

- 1 Blueprints for learning: How does a healthcare system advance the science of its data?**
Andriy Koval, BC Centre for Disease Control
- 2 Building a data culture: A health research funder's strategy for becoming a data-centric organization**
Julia Langton, Michael Smith Foundation for Health Research
- 3 Using Google Trends to track walk-in clinic and emergency department use over time and across provinces in Canada**
Joseph Ssendikaddawa, Simon Fraser University
- 4 Predictors of new-onset distress available in routinely collected administrative health databases: A population-based cohort study following breast cancer diagnosis**
Ania Syrowatka, McGill University
- 5 Disparities in breast cancer diagnosis for immigrant women in Ontario and BC: Results from the CanIMPACT study**
Mary McBride, BC Cancer
- 6 Quality of life and wellbeing in seniors enrolled in a non-medical home support program: Results from a longitudinal survey of the Better at Home program**
Louisa Edwards, Simon Fraser University
- 7 Building a nation of partners for Canada's learning healthcare systems: Emergence of a community of practice, "The Patient Advisors Network (PAN) / Réseau des patients partenaires (RPP)"**
Carolyn Canfield, Independent Citizen-Patient
- 8 Patient priorities for primary care measurement based on the relative importance of indicators to the patient-provider partnership**
Carol Mulder, Association of Family Health Teams of Ontario
- 9 Evidence of the positive impact of co-location on quality and healthcare system costs in Ontario's primary care teams**
Carol Mulder, Association of Family Health Teams of Ontario
- 10 The Patient Medical Home model: A practice based performance portrait**
Meghan Cronin, UBC School of Nursing
- 11 Establishment of a performance appraisal framework for a family doctor team: Based on People-Centered Integrated Care model**
Ruimei Liang, Foshan University
- 12 Co-producing public services with vulnerable and disadvantaged populations**
Mark Embrett, McMaster University
- 13 Preliminary planning and design of a quality improvement initiative for care of people living with opioid use disorder**
Laura Beamish, British Columbia Centre for Excellence in HIV/AIDS

Posters

- 14 **The effect of socio-demographic factors on mental health and addictions high cost use: A retrospective, population-based study in Saskatchewan**
Maureen Anderson, Atlantic Veterinary College and Saskatchewan Health Quality Council
- 15 **Using BC administrative data to measure trends in surgical site infection rates after laparoscopic vs open surgery for diverticular disease**
Paramdeep Kaur, UBC Department of Anesthesiology, Pharmacology and Therapeutics
- 16 **A tale of two healthcare systems between 2012 and 2016: Success of reaching government emergency department time targets between a Canadian and Australian academic tertiary level hospital**
Ivy Cheng, Sunnybrook Health Sciences Center
- 17 **Assessing pediatric services in British Columbia: a Tiers of Service analysis**
Sina Waibel, Child Health BC
- 18 **Cultural-competent care in emergency departments (EDs) in Canada**
Vahid Mehrnoush, Vancouver General Hospital
- 19 **Measuring violence against nurses in British Columbia**
Andrea Wardrop, BC Nurses Union
- 20 **Assessing trends in research publications on Choosing Wisely campaign**
Celestin Hategeka, UBC Centre for Health Services and Policy Research
- 21 **Evaluating compliance to recommended guidelines for blood pressure measurement in Rwanda**
Celestin Hategeka, UBC Centre for Health Services and Policy Research

Exhibitors

- 1 Canadian Institute for Health Information
- 2 Fraser Health
- 3 BC Primary Health Care Research Network
- 4 Health Data Coalition

Acknowledgements

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