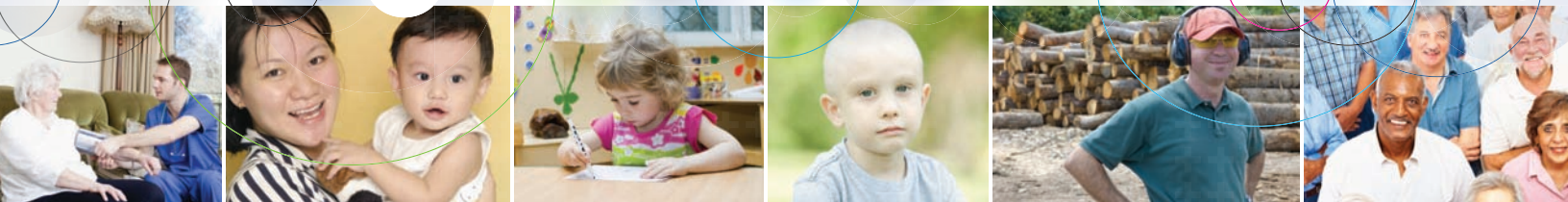


2014

International Health Data Linkage Conference

28-30 April 2014
Vancouver, Canada

Conference handbook



Data linkage
for better public policy

www.ihdlconference2014.org

Welcome to Vancouver and the 2014 IHDL Conference



Photograph by Hannah Peck

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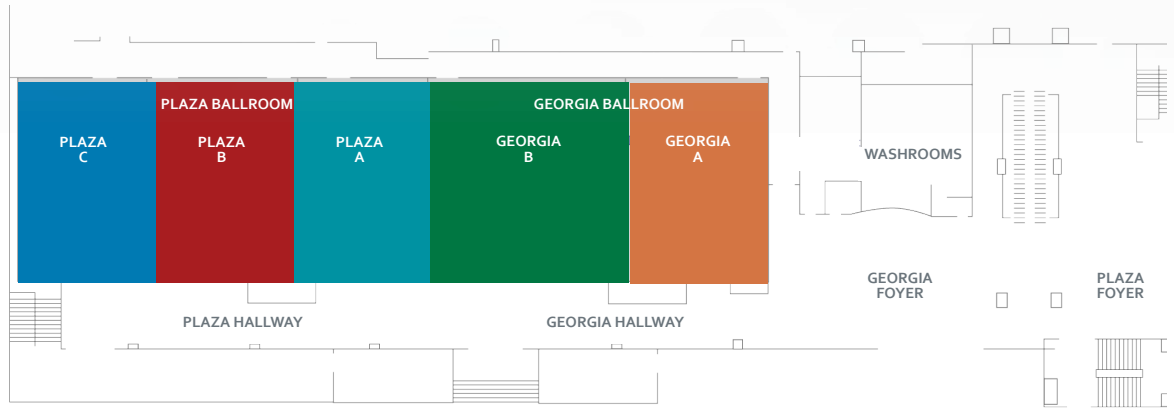
Acknowledgements

The Planning Committee for the 2014 International Health Data Linkage Conference thanks the Conference sponsors for their generous support.

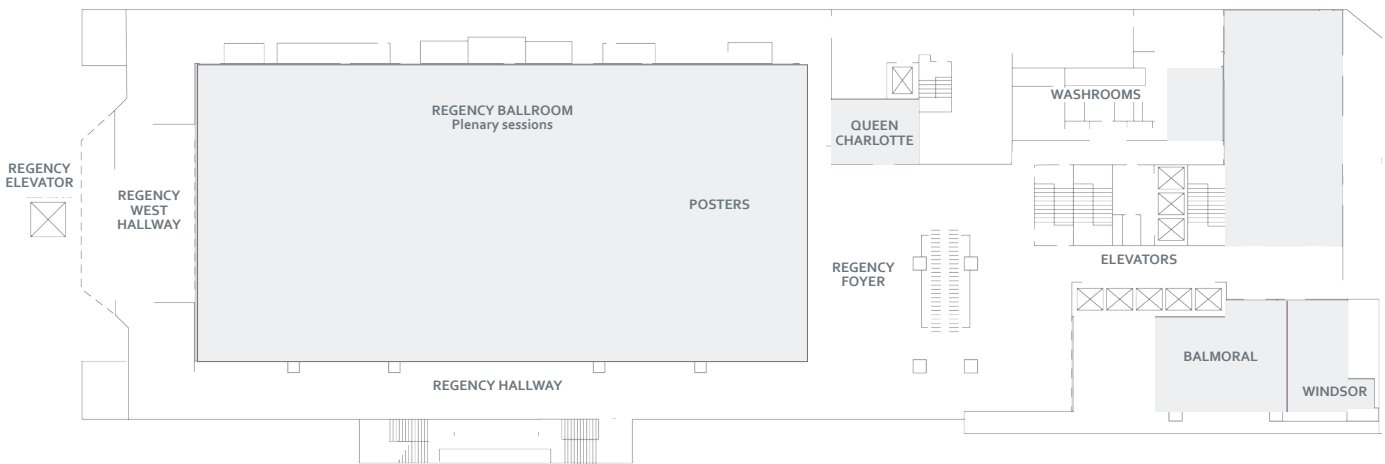


Map of venue

Plaza level (second floor)



Convention level (third floor)



*The Registration Desk is located in the Regency Foyer
Speaker slide preparation is located in the Queen Charlotte Room*

Conference Committee

Honorary Chair

John Frank University of Edinburgh

Conference Chairs

Kimberlyn McGrail University of British Columbia
Nancy Meagher Population Data BC

Planning Committee

Anne McFarlane Canadian Institute of Health Information
Astrid Guttman University of Toronto
Chris McLeod University of British Columbia
Claudia Sanmartin Statistics Canada
Katie Harron University College London
Lillian Bayne University of British Columbia
Lisa M Lix University of Manitoba
Martin Guhn University of British Columbia
Meghan McMahon Canadian Institutes of Health Research
Mike Brauer University of British Columbia
Parminder Raina McMaster University

Keynote speakers



The Clyde Hertzman Memorial Lecture



Fiona Stanley, AC

Science with a soul: Data to action for healthy child development

Starting as a public health physician with an interest in environmental health and then becoming a champion of early childhood development on the local, national, and international stage, Clyde Hertzman galvanised and re-energised researchers, practitioners and policy makers in many nations. Issues he championed to help children and communities thrive remain: the need for political leadership, data capacity and linkage and engagement of community. How can we best carry forward the legacy of using the best science to care for children?



Monday April 28, 9:00am

Fiona Stanley, AC is the Founding Director and Patron of the Telethon Institute for Child Health Research, Distinguished Research Professor at the University of Western Australia and Vice Chancellor's Fellow at the University of Melbourne where she was Director, 2013 Festival of Ideas. Trained in maternal and child health, epidemiology and public health, she has spent her career researching the causes of major childhood illnesses such as birth defects. She pioneered the development, linkage and analysis of population level data and record linkage in Western Australia as a research and evaluation capacity. Her major contribution has been to establish the Telethon Institute for Child Health Research, a unique multidisciplinary independent research institute focussing on the causes and prevention of major problems affecting children and youth and to establish the Australian Research Alliance for Children and Youth. She has over 300 publications, books and book chapters and sits on the Prime Minister's Science, Engineering and Innovation Council, and is a board member of the Australian Broadcasting Commission.

This lecture will be introduced by Marcy Cohen.

Over her career Marcy has worked as a researcher, policy consultant and educator on issues related to gender and income equality, training and labour market policy, community health restructuring and health system innovation. She was Clyde Hertzman's life partner from 1998 to 2013.

Michael C Wolfson



Answering questions that matter: From data linkage to microsimulation modeling

Microsimulation modeling integrates multiple sources of data to address a wide range of important questions. In socio-economic and health domains, these questions include "what if" scenarios, which enable exploration of the impacts of new policy initiatives, as well as probing underlying causal pathways. Microsimulation is uniquely realistic compared to more conventional methods in demography, economics and epidemiology because it explicitly includes heterogeneous populations, and typically embodies systematic synthesis of a wide range of detailed data. Microsimulation can inform research priorities, expose policy leverage points and assist with economic evaluation. There are several types of microsimulation models, ranging from novel kinds of theory to "industrial strength" models designed to support realistic government policy decisions. This talk will illustrate these points with brief descriptions of a number of microsimulation models. In each case, the modelling is most powerful when available data inputs are multivariate, multi-level, micro and longitudinal. As a result, there is a compelling synergy between microsimulation model development and linked data.

Monday April 28, 4:30pm

Michael C Wolfson retired as Assistant Chief Statistician, Analysis and Development at Statistics Canada in 2009. He was awarded a Canada Research Chair in Population Health Modeling/Populomics in the Faculty of Medicine at the University of Ottawa in 2010. His areas of expertise include program review and evaluation, tax/transfer policy, pension policy, income distribution, design of health information systems, microsimulation modeling of socio-economic policy and health dynamics, and analysis of the determinants of health. He held positions in the Treasury Board Secretariat, the Department of Finance, the Privy Council Office, the House of Commons, and the Deputy Prime Minister's Office prior to joining Statistics Canada. He was also a Fellow of the Canadian Institute for Advanced Research Program in Population Health (1988-2003). His numerous articles have addressed topics such as assessing the inter-generational equity of Canada's pension and health care systems, the design of an appropriate system of health statistics, modeling disease determinants and treatments, income inequality and polarization trends, and income and income inequality as determinants of population health. He is a Fellow of the Canadian Academy of Health Sciences and an elected member of the International Statistical Institute.

Eric M Meslin

Navigating the policy “valley of death” in the data linkage debates: Getting the ethics right

Debates about the ethics of data linkage policy have moved well beyond the simple (and false) dichotomy of either promoting strong individual privacy protections or promoting health through greater access to data. Attention is now focused squarely on the ethical and political realities of implementation. Navigating the messy political terrain requires a clear understanding of opportunities and impediments all of which have ethical costs. One approach to gain clarity borrows from translational science’s bench-to bedside paradigm, with its attendant risk of the ‘valley of death’ (the place that poorly implemented science goes to die). Science policy faces its own “valley of death”, particularly when it is poorly implemented, does not enjoy public confidence or is caught in the politics of governance.



Wednesday April 30, 8:30am

Eric Meslin is founding Director of the Indiana University Center for Bioethics, Associate Dean for Bioethics in the Indiana University School of Medicine, and holds several academic appointments including Professor of Medicine, Professor of Medical & Molecular Genetics; Professor of Public Health; and Professor of Philosophy. In 2012 he was appointed as Indiana University’s first Professor of Bioethics. Among his other leadership positions he co-directs the Indiana University Center for Law, Ethics and Applied Research in Health Information (CLEAR). Born in Canada, he received his BA from York University (Toronto), and his MA and PhD from Georgetown University in Washington, DC. He was previously the director of bioethics research for ELSI Program of the Human Genome Project (1996-98), and was Executive Director of the US National Bioethics Advisory Commission (1998-2001). He has more than 150 published articles and book chapters on various topics in bioethics and science, and has been a member of several boards and committees. He is currently a member of the Science and Industry Advisory Committee of Genome Canada. On May 9, 2007 he was appointed a Chevalier de L’Order Nationale du Mérite (Knight of the National Order of Merit) by the French Ambassador to the United States for contributions to French bioethics policy.

John W Frank

The best global investments for health equity: How is the world doing and what can record linkage contribute?



Based on recent publications on the social determinants of health, seven key societal-level investments are suggested, across the life-course, for increasing health equity by social class. Evidence is then adduced from routinely collected data and published studies of the relative extent to which these investments have been pursued and achieved expected goals, in the poor as well as the wealthy societies of the world. It is argued that record linkage researchers can contribute to improving global health equity in two ways: 1) improving the evidence-base demonstrating that these investments are in fact effective in increasing health equity at the whole-society-level; 2) improving the data collation and analyses done to monitor how well each country -- globally - is doing on these seven (and similar) key categories of societal investments to improve health equity, over the life-course.

Wednesday April 30, 4:15pm

John Frank trained in Medicine and Community Medicine at the University of Toronto, in Family Medicine at McMaster University, and in Epidemiology at the London School of Hygiene and Tropical Medicine, after serving in Mbeya, Tanzania as a Medical Officer and Instructor of Medical Assistants from 1976 to 1979. He has been Professor (now Professor Emeritus) at the University of Toronto, in the Department of Public Health Sciences (now the Dalla Lana School of Public Health), since 1983. He was the founding Director of Research at the Institute for Work & Health in Toronto from 1991 to 1997. In 2000, he was appointed inaugural Scientific Director of the Canadian Institutes of Health Research - Institute of Population and Public Health. In July 2008, he became Director of a new Edinburgh-based Unit, funded by the Medical Research Council and the Scottish Chief Scientist Office: the Scottish Collaboration for Public Health Research and Policy. He also holds a Chair at the University of Edinburgh in Public Health Research and Policy.

Note: full biographical details of the speakers are available on the Conference website at: www.ihdlnconference2014.org

Keynote speakers

Linkage without borders: Stories from the frontier

Pan-jurisdictional linkages are an important frontier in the data linkage world, carrying with them both increased opportunities and increased challenges.

Each of the three speakers on the panel have unique visions and experience with this type of initiative. Andrew Morris will speak to pan-UK efforts; Riitta Mustonen will describe the developments for linkage amongst Nordic countries; Peter Morrison will describe the pan-Canadian vision for federal / provincial / territorial linkage through Statistics Canada.

Tuesday April 29, 8:30am

Riitta Mustonen

Riitta Mustonen is Deputy Director of NordForsk since February 2013. Previously, she was Director of the Academy of Finland with responsibility for strategic analysis and international networks. She has worked as Vice President for Research (2007-2012) and Director of the Health Research Unit (2003-2007) at the Academy of Finland and, earlier, as laboratory director and researcher in Finland, Germany and USA.



Her scientific background is in genetics and environmental toxicology. Her main responsibilities in NordForsk are related to European and Nordic Research Area relations, coordination of the Nordic research infrastructure cooperation and evaluation activities. She was the Chair of the Strategic Forum for International S&T Collaboration (SFIC) of the European Research Area Committee (ERAC) and Vice Chair of the NordForsk Board and Finnish delegate to EMBC and Council of EMBL.

She has been active in a number of committees and working groups at Nordic and European levels: e.g. the expert group of the Interim Evaluation of the EU 7th Framework Programme; the panel of FP7 Mid-term evaluation of COST; the expert group for the ex-post evaluation of the EU 6th FP; Irish Research Council for Science, Engineering and Technology; and the Management Board of the Pilot Joint Programming Initiative on Neurodegenerative Diseases.

Andrew Morris

Andrew Morris is Professor and Dean of Medicine, University of Dundee, Scotland. He is seconded as Chief Scientist at the Scottish Government Health Directorate. His research interests span informatics and chronic diseases. He is Director of the Farr Institute in Scotland funded by the MRC and nine other funders and convenor of the UK Health Informatics Research Network, representing a £39M investment in health informatics research.



His research interests relate to the application of informatics to study the epidemiological and molecular aetiological basis of diabetes and its complications. He has published over 290 original papers, attracted over £50million in grant funding and was the principal investigator of the Wellcome Trust United Kingdom Case Control Collection for Type 2 Diabetes.

He was awarded the RD Lawrence Award by Diabetes UK in 2003, the Saltire Society Scottish Science Award in 2005 and is a Fellow of the Royal Society of Edinburgh, Scotland's national academy of science and letters, and Fellow of the Academy of Medical Sciences. In 2007, he co-founded Aridhia Informatics that now employs over 90 people in Scotland and uses high-performance computing and analytics in health care, with deployments in the UK, Middle East and Australasia.

Note: full biographical details of the speakers are available on the Conference website at: www.ihdlconference2014.org

Peter Morrison

Peter Morrison is the Assistant Chief Statistician for the Social, Health and Labour Statistics Field at Statistics Canada. He is also a departmental champion supporting innovative work to increase the use of data linkages across administrative and survey data in the social statistics field. He later became the Director of the Labour Statistics Program responsible for the production of the national employment and unemployment data.



He has been involved in a number of international assistance programs with Latin American and African countries and is currently leading a mission to assist the Chinese Bureau of Statistics to modernize their national statistical system. He is also a member of a number of national and international committees and Boards, including as an Executive Board member under the United Nations Economic Commission for Europe overseeing the strategic development of modernization activities among national statistical offices.

His numerous articles, reports and book chapters have addressed topics spanning justice, health and the modernization of national statistical offices. He represents Statistics Canada on a number of national advisory boards, across a wide array of subject matter areas and is currently a member of the Canadian Institute for Health Information Board of Directors.

Elizabeth Denham

Synergies of privacy law and health research



Big data, genomics, and digital health records are transforming the health information landscape. These innovations raise important questions about privacy and security of personal health information. Strong privacy laws, robust policies and training are all essential to protect and secure data; privacy laws are also key to securing continued public support and confidence in the use of personal data for health research. Commissioner Denham will talk about what's needed to secure a future where privacy and health research are complementary, not competing values, and the role of the Commissioner's office in facilitating dialogue and collaboration on health research in BC.

Wednesday April 30, 8:30am

Commissioner Elizabeth Denham was appointed Information and Privacy Commissioner for BC in May 2010.

Promoting privacy rights is Commissioner Denham's top priority. She has led investigations into several high-profile privacy breaches and has completed systemic reviews that examine the impact of new and emerging technologies on privacy. She has led the BC office to take a proactive approach to the enforcement of access and privacy laws. A newly-created policy and technology team conducts systemic investigations and monitors the latest developments in access and privacy.

Ms Denham is known for spearheading collaborative projects with her federal and provincial colleagues, including Canada's latest guidance called "Getting Accountability Right through Privacy Management Programs," which was co-authored by Ms Denham. The document received international attention for its innovative and practical approach to privacy management in the private sector.

Prior to her appointment in BC, she served as Assistant Privacy Commissioner of Canada (2007-2010) and Director, Private Sector, for the Office of the Information and Privacy Commissioner of Alberta (2003-2007).

Pre-conference workshops and additional events

Workshops

Longitudinal data analysis: latent growth curve modelling with Mplus

Saturday April 26 & Sunday April 27
9:00am - 4:00pm

Location: 1415 Cominco Policy Room, Simon Fraser University, Harbour Centre Location, Vancouver

Spatial perspectives in population health

Saturday April 26 & Sunday April 27
9:00am - 4:00pm

Location: 7050, 7th Floor Computer Lab, Simon Fraser University, Harbour Centre Location, Vancouver

Toward the world's best infrastructure of child development statistics: building a comprehensive, population-based early child development monitoring system

Sunday April 27
9:00am - 12:00pm

Location: Seymour Room, Hyatt Regency, Vancouver

Governance of researchable data repositories: establishing and operating data repositories

Sunday April 27
1:00pm - 4:00pm

Location: Georgia Ballroom, Hyatt Regency, Vancouver

"ON THE MOVE!"

Start your morning off with a brisk walk, guided by locals.

Each morning will explore a different part of the downtown area.

Meet at 6:30am at the Conference Registration Desk in the Regency Foyer.

Welcome reception "Powered by PechaKucha"

Sunday April 27
6:30pm

Location: Georgia Ballroom, Hyatt Regency, Vancouver

What is PechaKucha?

PechaKucha 20x20 is a simple presentation format where speakers show 20 images, each for 20 seconds. The images advance automatically and speakers talk along.



Why PechaKucha?

Quite simply, it's fun. The format creates an interesting challenge for speakers and you get to enjoy short, engaging, crafted talks on a variety of topics.

Speakers

Worth a thousand words: describing our repositories of data in compelling ways **Pat Martens**

Manitoba Centre for Health Policy



Linking aha! to "beauty and awe" through data and discovery **Michael Schull**

Institute for Clinical Evaluative Services (ICES)



Short, simple, complete – pick two **Martin Krzywinski**

BC Genome Sciences Centre



Location, location, location... linking health and the built environment **Michael Brauer**

UBC School of Population and Public Health



Twas the night I needed a doctor: What linked data reveals about primary care in Canada **Kim McGrail**

UBC School of Population and Public Health



Defeating diabetes with data!

Andrew Morris, University of Dundee



Student and early career events

Monday April 28

Breakfast corner

A few tables will be set aside for students/postdocs/early career professionals to meet each other before the conference starts. Please look for the sign when you arrive.

7:30am - 8:30am

Networking

This is a semi-structured meet and greet/networking and social event, followed by an optional outing (see below) for dinner and drinks.

5:30pm - 6:15pm

Location: Balmoral Room

Dinner

7:00pm

Earl's Restaurant, 1185 Robson St, Vancouver, BC V6E 1B5

Tuesday April 29

Student/early career session on career development

This concurrent session during Session D provides students, postdoctoral fellows and early career professionals with an opportunity to discuss career development strategies and opportunities with senior professionals in the field.

1:00pm - 2:15pm

Location: Georgia Room A

Wednesday April 30

Student awards

Two awards will be presented based on peer review:

- Best poster/rapid-fire presentation
- Best full-length oral presentation

Note: this is an OPT-IN competition. To opt-in, complete the online form at: www.ihdlconference2014.org/studentawards

5:15pm - 5:30pm

Location: Regency Ballroom

Meetings of the

INTERNATIONAL

Health Data Linkage

NETWORK

International Health Data Linkage Network (IHDLN)

Sunday April 27

4:15pm - 5:15pm

Location: Georgia Ballroom

Meetings of working groups

Feel free to join the working group meetings if the topic is of interest. It is a great opportunity to connect with others, expand your networks and contribute to the IHDLN.

Privacy, ethics, governance and legislation

Sunday April 27

11:00am - 12:00pm

Location: Windsor Room

Cross-country comparative studies

Monday April 28

12:00pm - 1:00pm

Location: Windsor Room

Data knowledge and metadata (DKM)

Monday April 28

5:30pm - 7:00pm

Location: Windsor Room

Technical/software for research and linkage

Tuesday April 29

12:00pm - 1:00pm

Location: Windsor Room

Timelines for access to data

Wednesday April 29

12:00pm - 1:00pm

Location: Windsor Room

Sub-plenary session A

Tuesday April 29 2014, 4:15pm - 5:30pm

Session 1: Regulating access to government databases for data linkage research: Designing a best practice model

Panelists: Judy Allen (University of Western Australia), Carolyn Adams (Macquarie University), Felicity Flack (Population Health Research Network)

Access to datasets of personal health information held by government agencies is essential to support public health research and to promote evidence-based public health policy development, however, access is not always forthcoming in a timely manner and the decision-making process is not always transparent. This session will address some of the challenges that prevent optimum use being made of these datasets and will propose some solutions.

Judy Allen will consider the legal complexity for decision-makers considering access applications and will propose a model for the legal regulation of government datasets. Carolyn Adams will consider the importance of independent oversight of the decisions, and decision-making processes, of government data custodians. Felicity Flack will consider the ethical issues relating to the use of whole of population data held by government agencies, particularly across jurisdictions, and what review processes should be used to assess them.

Location: Georgia Room A

Session 2: Observational studies of drug safety in distributed data networks: Experience from the Canadian Network for Observational Drug Effect Studies

Panelists: Robert Platt (McGill University), David Henry (University of Toronto), Colin Dormuth (University of British Columbia), Pierre Ernst (McGill University), Dan Chateau (University of Manitoba), Lisa Lix (University of Manitoba)

Scientists from various Canadian Provinces have for many years conducted epidemiological studies of drug safety and effectiveness using databases resulting from Canada's universal health insurance programs. Yet, these individual initiatives cannot always address some new challenges that require larger databases for the study of rare and serious adverse events, for the study of drugs used for infrequent diseases, and to study medications early after they enter the market.

It is specifically to address these challenges that the Canadian Network for Observational Drug Effect Studies (CNODES) was created. CNODES is a pan-Canadian collaboration assembling over 60 scientists from across the country that use existing healthcare databases on over 30 million people, conducting studies of drug safety in a distributed network of administrative databases from seven Canadian provinces, the US, and the UK. This symposium will provide an overview of the CNODES network and a typical study, present results of several CNODES studies, describe methodological problems relevant to the CNODES network, and ongoing methodological research and potential solutions.

Location: Georgia Room B

Session 3: Control issues: Fostering research innovation, better public policy, and health equity through the integration of gender and sex in linked population-based health data

Panelists: Zena Sharman (CIHR Institute of Gender and Health), Arlene Bierman (University of Toronto), Randy Fransoo (Manitoba Centre for Health Policy), Donna Mergler (Université du Québec à Montréal)

The primary objective of this session is to foster awareness among health data users of the potential for research innovation, better public policy, and health equity that can be achieved through meaningful and appropriate integration of sex and gender. Key topics to be discussed include the hows and whys of stratification by sex/gender - the feasibility and potential value of investigating differences and similarities through stratification by the existing sex/gender variables in data sets. The session will explore gendered data quality and data collection practices - for example, how gendered/sexed individuals are grouped in linked health data, and how these groupings can influence our understandings of health risks and outcomes. It will examine creative ways of using linked data to represent (or proxy) the ways that gender and sex mediate or moderate the relationships between key variables of interest, health, and health services use.

Location: Plaza Room B

Sub-plenary session B

Wednesday April 30 2014, 2:45pm - 4:00pm

Session 1: First Nations health data linkage: A collaborative research approach

Panelists: Saba Khan (Institute for Clinical Evaluative Sciences (ICES)), Tracy Antone (Chiefs of Ontario), Carmen Jones (Chiefs of Ontario), David Henry (Institute for Clinical Evaluative Sciences (ICES))

This session will provide insight into how First Nations and health researchers can form mutually beneficial and ethical partnership agreements, conduct timely and relevant research studies using linked health administrative data, and work in an open and collaborative manner that respects the First Nations principles of OCAP™ (Ownership, Control, Access and Possession).

The objectives of this session are to increase knowledge of methodological and ethical issues surrounding creation and analysis of linked First Nations health data sets in Canada; to share effective approaches to health data governance and data sharing between provincial research organizations and First Nations organizations; and to provide examples of using linked health administrative data to conduct chronic disease research and surveillance with First Nations populations.

This session will cover a background on First Nations health, historical issues with research in First Nations populations, current health research and surveillance collaborations work with First Nations populations, and ongoing challenges/future directions.

Location: Georgia Room A

Session 2: Epidemiological methods using linked data for policy-relevant research in maternal and early child health

Panelists: Louisa Jorm (University of Western Sydney), Christine Roberts (University of Sydney), David Preen (University of Western Australia), Rachael Moorin (Curtin University), Jane Ford (University of Sydney)

This sub-plenary will present novel concepts and cutting-edge methods for epidemiological research using linked administrative health data, using examples from the Outcomes, Services and Policy for the Reproductive and Early Years (OSPREY) research program, which focuses on policy-relevant research in maternal and child health, and has produced more than 70 publications to date. Examples from the OSPREY program will demonstrate the benefits of expanding linkages to 'novel' data collections including assisted reproductive technology, communicable disease notifications, pathology records and blood bank data. The presenters are leaders in linked data research from Australia, representing four universities across two Australian States. The programs presented will include assessing data quality, establishing novel linkages, partitioning variation to explore outcomes, evaluating costs of health care, and choosing measures and models to communicate complex results.

Location: Georgia Room B

Session 3: Risk prediction with linked databases

Panelists: Lisa Lix (University of Manitoba), Leslie Roos (University of Manitoba), Laura Rosella (Public Health Ontario), Hude Quan (University of Calgary)

Accurately predicting the likelihood that an individual will develop a health condition or other outcome in the future enables strategic targeting of health resources. The purpose of this sub-plenary session is to share expertise on the development of risk prediction tools that use linked administrative data from multiple sectors (e.g., health, education, social services) as well as survey data, and that have been validated across jurisdictions. Both methodological issues of tool development and substantive issues associated with communicating risk prediction results to non-technical audiences will be discussed. Topics discussed will include the Diabetes Population Risk Tool (DpoRT), risk adjustment methods for predicting hospital outcomes, and life course approaches for predicting several outcomes. The presenters will also discuss challenges and future directions in risk prediction.

Location: Plaza Room B

Conference program at a glance

Monday April 28 2014

6:30 am-7:30 am	On the move - meet at the Conference Registration Desk
7:30 am - 8:30 am	Networking breakfast
8:30 am - 9:00 am	Traditional welcome from Elder Larry Grant, Elder from the Musqueam Nation and Elder-in-Residence, UBC First Nations House of Learning Welcome and remarks from Conference Co-chairs, Kim McGrail and Nancy Meagher
9:00 am - 10:15 am	PLENARY SESSION Introduction and moderation: Marcy Cohen Clyde Hertzman Memorial Lecture Science with a soul: Data to action for healthy child development Fiona Stanley, Distinguished Research Professor at the University of Western Australia
10:15 am - 10:45 am	Break
10:45 am - 12:00 pm	Concurrent session A (see page 14)
12:00 pm - 1:00 pm	Lunch
1:00 pm - 2:30 pm	Concurrent session B (see page 15)
2:30 pm - 3:00 pm	Break
3:00 pm - 4:15 pm	Concurrent session C (see page 16)
4:15 pm - 4:30 pm	Transition
4:30 pm - 5:30 pm	PLENARY SESSION Introduction and moderation: Anne McFarlane, Vice President, Western Canada and Development Initiatives, Canadian Institutes of Health Research Answering questions that matter: From data linkage to microsimulation modeling Michael Wolfson, Canada Research Chair in Population Health Modeling/Populomics, Faculty of Medicine, the University of Ottawa

Tuesday April 29 2014

6:30 am-7:30 am	On the move - meet at the Conference Registration Desk
7:30 am - 8:30 am	Networking breakfast
8:30 am - 10:30 am	PLENARY SESSION Opening remarks, introduction and moderation: Robyn Tamblyn, Scientific Director of the CIHR Institute for Health Services and Policy Research and Professor, McGill University Linkage without borders: Stories from the frontier Riitta Mustonen, Deputy Director of NordForsk Andrew Morris, Professor of Medicine and Dean of Medicine, University of Dundee, Scotland Peter Morrison, Assistant Chief Statistician, Social Health and Labour Statistics Field, Statistics Canada
10:30 am - 11:00 am	Break
11:00 am - 12:00 pm	Rapid-fire concurrent sessions (see pages 21 and 22)
12:00 pm - 1:00 pm	Lunch

NOTE: All Plenary sessions and meals will take place in the Regency Ballroom.

Tuesday April 29 2014 (continued)

1:00 pm - 2:15 pm	Concurrent session D (see page 17)
2:15 pm - 2:45 pm	Break
2:45 pm - 4:00 pm	Concurrent session E (see page 18)
4:00 pm - 4:15 pm	Transition
4:15 pm - 5:30 pm	Sub-plenary session A (see page 10)
6:30 pm - 10:00 pm	Conference dinner at the Vancouver Convention Centre

Wednesday April 30 2014

6:30 am-7:30 am	On the move - meet at the Conference Registration Desk
7:30 am - 8:30 am	Networking breakfast
8:30 am - 10:00 am	PLENARY SESSION Introduction and moderation: Mike Burgess, Professor and Chair in Biomedical Ethics, W Maurice Young Centre for Applied Ethics, School of Population and Public Health, University of British Columbia Synergies of privacy law and health research Elizabeth Denham, Information and Privacy Commissioner for BC Navigating the policy “valley of death” in the data linkage debates: Getting the ethics right Eric Meslin, Director of the Indiana University Center for Bioethics, Associate Dean for Bioethics in the Indiana University School of Medicine
10:00 am - 10:30 am	Break
10:30 am - 12:00 pm	Concurrent session F (see page 19)
12:00 pm - 1:00 pm	Lunch
1:00 pm - 2:15 pm	Concurrent session G (see page 20)
2:15 pm - 2:45 pm	Break
2:45 pm - 4:00 pm	Sub-plenary session B (see page 11)
4:00 pm - 4:15 pm	Transition
4:15 pm - 5:15 pm	PLENARY SESSION Introduction and moderation: Kim McGrail, Associate Professor, University of British Columbia The best global investments for health equity: How is the world doing and what can record linkage contribute? John Frank, Director, Scottish Collaboration for Public Health Research and Policy
5:15 pm - 5:30 pm	Awards and announcements
5:30 pm	Conference close

Concurrent sessions

Concurrent session A

Monday April 28 2014, 10:45am - 12:00pm

Youth	Methods	Work	Health system management	Ethnicity and migration
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>Educational achievement of Albertan youth using health care services</p> <p>Leslie Twilley Alberta Centre for Child, Family & Community Research, Child & Youth Data Lab</p>	<p>The ecological fallacy of the role of age in chronic disease and hospital demand</p> <p>David Whyatt University of Western Australia</p>	<p>Work disability trajectories under three workers' compensation programs</p> <p>Emile Tompa Institute for Work & Health</p>	<p>The Blue Matrix: How Big Data provides insight into the health of the population and their use of health care in British Columbia</p> <p>Martha Burd BC Ministry of Health</p>	<p>Migrants 2011 Census Data Enhancement Project</p> <p>Christine Williams Australian Bureau of Statistics</p>
<p>Utilization of health, education and social services by First Nations Manitobans with Fetal Alcohol Spectrum Disorder (FASD)</p> <p>Marni Brownell Manitoba Centre for Health Policy</p>	<p>Using medical chart reviews to validate linked hospital and laboratory data for infectious diseases research</p> <p>Faye Janice Lim Telethon Institute for Child Health Research</p>	<p>Individual data linkage of CAPI data, claims data and data on work history in the German lidA study of work, age and health</p> <p>Enno Swart Institute for Social Medicine & Health Economics, Otto-von-Guericke-University</p>	<p>Comparing patient experiences from anonymised, routinely collected linked datasets to establish how 'patient pathways' variation through co-morbidity</p> <p>Sarah Lowe Welsh Government</p>	<p>Linking federal immigration data with provincial health data in Ontario, Canada</p> <p>Karey Iron Institute for Clinical Evaluative Sciences (ICES)</p>
<p>Adolescent health and education outcomes: an exploration of siblings and twins</p> <p>Elizabeth Wall-Wieler University of Manitoba</p>	<p>Differential linkage quality in population subgroups and the contribution to differences in survival rates</p> <p>Eric Miller Centers for Disease Control & Prevention</p>	<p>Improving occupational injury surveillance and research through data linkage: Lessons from Washington State</p> <p>Jeanne M Sears Department of Health Services, University of Washington</p>	<p>Using data linkage for health system performance</p> <p>Sunita Karmakar-Hore Canadian Institute for Health Information</p>	<p>Birthweight distributions by gestational age for South Asian babies born in England</p> <p>Nirupa Dattani City University London</p>
<p>Cross ministry service use of youth with disabilities in Alberta</p> <p>Ozlem Cankaya Alberta Centre for Child, Family & Community Research/Child Youth Data Laboratory</p>		<p>The development and use of administrative, workers' compensation data for policy-relevant research questions on work and health: Examples from a university</p> <p>Christopher McLeod UBC - School of Population & Public Health</p>	<p>Using latent class models and linked databases to improve the validity of population chronic disease surveillance</p> <p>George Kephart Dalhousie University</p>	<p>Hospitalization risk for cardiovascular disease in Canada: A population-based generational analysis using linked census data</p> <p>Claudia Sanmartin Health Analysis Division, Statistics Canada</p>

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Concurrent session B

Monday April 28 2014, 1:00pm - 2:30pm

Pan-jurisdictional linkage	Maternal/women's health	Purpose-specific linkages	Hospital use	Population health
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>Multi-agency data linkage- you CAN do it!</p> <p>Rebecca Glauert Telethon Institute for Child Health Research</p>	<p>Cosmetic breast augmentation (implant) surgery and subsequent infant feeding</p> <p>Christine Roberts Kolling Institute, University of Sydney</p>	<p>British Columbia hepatitis testers cohort: A linkage to monitor hepatitis C related outcomes</p> <p>Margot Kuo BC Centre for Disease Control</p>	<p>Looking beyond one hospital: Linkage across facilities for assessing benchmarks for hip fracture surgery in Canada</p> <p>Sunita Karmakar-Hore Canadian Institute for Health Information</p>	<p>Multilevel predictors of early childhood development in Western Australia</p> <p>Megan Bell Telethon Institute for Child Health Research, The University of Western Australia</p>
<p>Proving a concept: Cross jurisdictional linkage in Australia</p> <p>Diana Rosman Department of Health Western Australia</p>	<p>Severe maternal morbidity associated with early- and late-onset preeclampsia</p> <p>Sarka Lisonkova Department of Obstetrics & Gynaecology, University of British Columbia</p>	<p>The Blue Matrix: Building a Big Data view of the health of the population and their use of health care in British Columbia</p> <p>Anatoli Skripnitchenko BC Ministry of Health</p>	<p>Potentially preventable hospitalisations: Population composition is a major driver of geographic variation</p> <p>Michael Falster Centre for Health Research, University of Western Sydney</p>	<p>Mother's educational level and neonatal mortality: Evaluating the birthweight paradox in a middle-income country</p> <p>Claudia Coeli Federal University of Rio de Janeiro</p>
<p>Wales Electronic Cohort for Children (WECC) study: Design, early results and creation of a hybrid e-cohort</p> <p>Shantini Paranjothy Swansea University</p>	<p>Trends of surgical sterilisation, sterilisation reversal among Western Australian women (1990-2009): A whole-population medical record linkage study</p> <p>David Preen School of Population Health, The University of Western Australia</p>	<p>Using data linkage to support measurement of the global burden of injuries</p> <p>Ronan Lyons Swansea University</p>	<p>Health behaviours and potentially preventable hospitalisation: A prospective study of older Australian adults</p> <p>Louisa Jorm Centre for Health Research</p>	<p>Understanding the life course of attention deficit disorder: Population linkage study</p> <p>Lyn Colvin Telethon Institute for Child Health Research</p>
<p>Opportunities and challenges for a linkable data resource focusing on children and youth in Ontario: The ChYLD Data Repository</p> <p>Karey Iron Institute for Clinical Evaluative Science (ICES)</p>	<p>Comorbidities documented in the delivery record versus comorbidities documented during antenatal care: Impact on estimated disease prevalence</p> <p>Amy Metcalfe University of British Columbia</p>		<p>The role of maternal and perinatal risk factors on hospital admission for gastrointestinal infection in early childhood</p> <p>Jason Bentley Kolling Institute of Medical Research, University of Sydney</p>	<p>Leveraging linked environmental and administrative health data to identify characteristics of the built environment important to health</p> <p>Perry Hystad Oregon State University</p>
<p>Challenges in incorporating electronic health records (EHR) into epidemiological studies in the UK</p> <p>Victoria Allan University of Oxford & UK Biobank</p>	<p>Data Linkage in the Australian Longitudinal Study on Women's Health: Using data to inform women's health policy</p> <p>Dierdre McLaughlin The University of Queensland</p>			

Concurrent session C

Monday April 28 2014, 3:00pm - 4:15pm

Cancer	Linkage	Care for special populations	Data linkage for policy development	Care provision
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>A record-linkage study using data from Western Australia and Scotland to assess cancer risk after burn injury</p> <p>Janine Duke Burn Injury Research Unit, University of Western Australia</p>	<p>Weighting adjustment for false negatives in record linkage</p> <p>Abdelnasser Saidi Statistics Canada</p>	<p>Caring for dementia: A population-based study examining variations in guideline-consistent care</p> <p>Saskia Sivananthan UBC Centre for Health Services & Policy Research</p>	<p>Evaluating the IMPRxOVETM program: Co-operative data sharing amongst private industry, government and academia</p> <p>Dan Chateau Manitoba Centre for Health Policy/University of Manitoba</p>	<p>Multispecialty physician networks in Ontario</p> <p>Therese Stukel Institute for Clinical Evaluative Sciences (ICES)</p>
<p>Breast cancer survivor cohort study using record linkage in British Columbia, Canada</p> <p>Mary McBride British Columbia Cancer Agency</p>	<p>Identifying false matches in non-identifiable hospital administrative data</p> <p>Gareth Hagger-Johnson University College London</p>	<p>The Hospital Dementia Services Project: The effects of person-based and hospital-based factors on outcomes of hospitalisation for people with dementia</p> <p>Phil Anderson Australian Institute of Health & Welfare</p>	<p>The Welsh Government programme to maximise the use of existing data: Working together towards an improved evidence base for policy making</p> <p>Sarah Lowe Welsh Government</p>	<p>To what extent did recent service use influence the priority with which patients were enrolled in a multi-disciplinary care planning intervention?</p> <p>Ian Blunt Nuffield Trust</p>
<p>Surveillance of occupational cancer risks through linkage of WSIB claims to OCR data</p> <p>Anna J. Kone Pefoyo Cancer Care Ontario</p>	<p>Use of graph theory measures to identify errors in record linkage</p> <p>Anna Ferrante PHRN Centre for Data Linkage, Curtin University</p>	<p>Outpatient care for those hospitalized for uncomplicated hypertension</p> <p>Hude Quan University of Calgary</p>	<p>Data linkage for pharmacovigilance using routine electronic health records</p> <p>Brad Kirby Information Services Division (ISD) Scotland</p>	<p>Linking data to estimate the relationship between patients and nurses</p> <p>Kevin Gerrits Alberta Health Services</p>
<p>Feasibility of using Canadian Cancer Registry linked to hospital data to report breast cancer treatment in Canada</p> <p>Claudia Sanmartin Statistics Canada</p>	<p>The use of natural language processing techniques for data linkage</p> <p>Paulo Marques Fundação Oswaldo Cruz (ICICT/Fiocruz)</p>	<p>Opportunities for and impact of Optimal BPH Management in Nova Scotia</p> <p>Upal Nath George & FayYee Centre for Healthcare Innovation, University of Manitoba</p>	<p>Using routinely collected linked data to monitor 'Flying Start', a national area-based early years enhanced services programme</p> <p>Martin Heaven Centre for Improving Population Health through eRecords Research CIPHER, Swansea University</p>	<p>Paying physicians in Ontario: It's complicated!</p> <p>Sue Schultz Institute for Clinical Evaluative Sciences (ICES)</p>

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Concurrent session D

Tuesday April 29 2014, 1:00pm - 2:15pm

Health care costs	Linkage	Metadata	Student/early career	Alcohol and drug use
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>Physician footprints in British Columbia: Variations in care and implications for health care system costs</p> <p>Kim McGrail UBC Centre for Health Services & Policy Research</p>	<p>Historic CHI - building an enhanced population register based on residential events</p> <p>David Clark Data Linkage Branch, WA Department of Health</p>	<p>Interactive metadata - an organized approach to delivering information about population health data</p> <p>Dave Towns University of Manitoba</p>	<p>Career development for students and young professionals</p> <p>Robyn Tamblin Canadian Institutes for Health Research McGill University</p> <p>David Ford SAIL Databank Swansea University</p> <p>James Boyd Population Health Research Network Curtin University</p>	<p>The prominence of tobacco-related mortality among individuals with alcohol- or drug-use disorders</p> <p>Russel Callaghan University of Northern British Columbia</p>
<p>Using health data linkage for analyzing cost and quality in health care</p> <p>Cecilia Dahlgren The Karolinska Institute</p>	<p>Medical record linkage without protected health information</p> <p>Tell Bennett Pediatric Critical Care, University of Utah School of Medicine</p>	<p>Better metadata as a means to enhance research: A case study looking at Population Data BC's Metadata Central</p> <p>Monique Gagne Population Data BC, UBC</p>		<p>Three datasets are better than one! Alcohol related diagnoses from ambulance to admission, Melbourne, Australia</p> <p>Sharon Matthews Turning Point Alcohol & Drug Centre, Eastern Health</p>
<p>Activity-based funding and hospitalised trauma: Is reimbursement for trauma treatment costs adequate?</p> <p>Rebecca Mitchell Transport & Road Safety Research, University of New South Wales</p>	<p>A case for matching without names - an assessment of a cross-sector health-education data linkage using limited identifiers</p> <p>David Clark NHS National Services Scotland</p>	<p>SAIL: Documenting data content and quality, letting the computer take the strain</p> <p>Ann Wrightson SAIL Databank, Swansea University</p>		<p>Using coroners' data to enrich health administrative data to assess the burden of opioid-related mortality in Ontario</p> <p>Tara Gomes Li Ka Shing Knowledge Institute of St. Michael's Hospital</p>
	<p>The record linkage process</p> <p>Ken Turner Manitoba Centre for Health Policy (MCHP)</p>	<p>Data documentation at ICES: An innovation to advance data interpretability</p> <p>Mahmoud Azimae Institute for Clinical Evaluative Sciences (ICES)</p>		

Concurrent session E

Tuesday April 29 2014, 2:45pm - 4:00pm

Data quality and completeness	Linkage	Work	Data access challenges and solutions	Childhood illness
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>Does patient movement between practice, or practice change of software provider, impact on the completeness of electronic patient records?</p> <p>Andy Boyd ALSPAC, University of Bristol</p>	<p>Beyond 2011: Automating the linkage of anonymised data</p> <p>Peter Jones Office for National Statistics</p>	<p>The contribution of risky driving practices to work and non-work-related vehicle crashes</p> <p>Rebecca Mitchell Transport & Road Safety Research, University of New South Wales</p>	<p>Tracking project details: an important element of compliance, monitoring and audit</p> <p>Kelly Alke Population Data BC, UBC</p>	<p>Linking, evaluating and analysing national administrative data: enhanced blood-stream infection surveillance in paediatric intensive care</p> <p>Katie Harron University College London</p>
<p>Effect of physician alternative payment plans on the completeness of administrative health data</p> <p>Hude Quan University of Calgary</p>	<p>Privacy-preserving record linkage on large real world datasets</p> <p>James Boyd PHRN Centre for Data Linkage, Curtin University</p>	<p>1991-2006 Canadian census mortality and cancer linked cohort: Welding and lung cancer</p> <p>Jeavana Sritharan Occupational Cancer Research Centre, Cancer Care Ontario</p>	<p>Data linkage application arrangements: A survey of key stakeholders</p> <p>Emma Fuller Western Australian Department of Health</p>	<p>Mortality from selected neurotropic viral infections in Australian children, 1999-2011</p> <p>Ghulam Khandaker University of Sydney & the Children's Hospital at Westmead</p>
<p>Estimating the completeness of physician billing claims for diabetes case ascertainment</p> <p>Lisa Lix University of Manitoba</p>	<p>Performance of different methods for privacy preserving record linkage with large scale medical data sets</p> <p>Rainer Schnell University of Duisburg-Essen / German Record Linkage Center</p>	<p>1991-2006 Canadian census mortality and cancer linked cohort: Mining and cancer</p> <p>Jeavana Sritharan Occupational Cancer Research Centre, Cancer Care Ontario</p>	<p>Then what and so what? Research outputs and communicating research impact: 3rd party knowledge translation at Population Data BC</p> <p>Bryony Mander Population Data BC, UBC</p>	<p>Estimating excess winter deaths due to respiratory infections in children: A linked data approach</p> <p>Pia Hardelid UCL Institute of Child Health</p>
	<p>Social domain record linkage environment</p> <p>Richard Trudeau Statistics Canada</p>	<p>The potential of cross-jurisdictional comparisons: A pilot study of work injury and disability in Victoria, Australia and British Columbia, Canada</p> <p>Jonathan Fan University of British Columbia</p>	<p>Making it stick: Practical ways to successfully embed privacy education and training into core organizational operations</p> <p>Kaitlyn Gutteridge Population Data BC, UBC</p>	

S Denotes student

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Concurrent session F

Wednesday April 30 2014, 10:30am - 12:00pm

Data quality	Governance	Technical data management and access	Mental health	Methods
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>A SAS macro-based application for data quality evaluation</p> <p>Say Hong Manitoba Centre for Health Policy</p>	<p>Implications of and responses to England's new health information governance rules</p> <p>Ian Blunt Nuffield Trust</p>	<p>'Just give me my data': Technical implementation of access without release</p> <p>Jim Mintha Population Data BC, UBC</p>	<p>Using data linkage to determine the risk factors associated with children being diagnosed with a mental health disorder</p> <p>Janice Wong Telethon Institute for Child Health Research</p>	<p>Fooled by the means - opposite distributional trends in GP visits when using individual vs. area level income data</p> <p>Sofia Sveréus Karolinska Institute</p>
<p>Data quality evaluation - what does it cost? What difference does it make?</p> <p>Mark Smith Manitoba centre for Health Policy (MCHP)</p>	<p>Governance over use of personal information and biospecimens for health research and planning. Themes from a series of deliberative dialogues</p> <p>Don Willison Public Health Ontario</p>	<p>Safe data access models for population informatics research</p> <p>Hye-Chung Kum Health Policy & Management, Texas A&M Health Science Center</p>	<p>Surveillance of mental disorders in Quebec: Prevalence, mortality and service utilization profile</p> <p>Valerie Emond Institut national de santé publique du Québec</p>	<p>Comparing measures of patient health status for risk adjustment</p> <p>Timothy Dobbins University of Sydney</p>
<p>Understanding data quality in linked administrative data</p> <p>Florian Endel Vienna University of Technology</p>	<p>Rules, principles and proportionality: Essential items in a decision-makers toolbox</p> <p>Nayha Sethi Mason Institute, University of Edinburgh</p>	<p>Building a better pipeline: The custodian administered research extract server</p> <p>Thomas Eitelhuber Data Linkage WA</p>	<p>Parental wellbeing and the offspring's deliberate self-harm in adolescence</p> <p>Nan Hu Telethon Institute for Child Health Research, The University of Western Australia</p>	<p>Using linked data to assess the performance of the Charlson Comorbidity Index in an elderly hip fracture population</p> <p>Lara Harvey Neuroscience Research Australia</p>
<p>International variation in the definition of 'main condition' in ICD coded health data</p> <p>Hude Quan University of Calgary</p>	<p>Implementing the 'community voice' in linked data research</p> <p>Anne McKenzie The University of Western Australia</p>	<p>Data appliance -sailing to data islands</p> <p>Simon Thomson Swansea University</p>	<p>Health service use patterns in the year before death by suicide</p> <p>Ken Morrison Alberta Health</p>	<p>On the importance of building episodes of care: Ensuring validity of the Readmission After AMI Indicator</p> <p>Yanyan Gong Canadian Institute for Health Information</p>
<p>Variations in the level of recording of common health conditions and risk factors in hospital morbidity data</p> <p>Sanja Lujic University of Western Sydney</p>	<p>Consenting adults? Why do some young women refuse consent to data linkage?</p> <p>Anna Graves Australian Longitudinal Study on Women's Health, University of Newcastle</p>	<p>Answering research questions faster: Toward the automation of a large linked data repository</p> <p>Daniel Thayer SAIL Databank, Swansea University</p>		<p>Improving the measurement of injury severity using linked data</p> <p>Max Maller Data Linkage Branch, WA Department of Health</p>

Concurrent session G

Wednesday April 30 2014, 1:00pm - 2:15pm

New centres and linkages	Linkage	Aboriginal/indigenous health	Vaccines	Methods for cases and cohorts
Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room A	Georgia Room B
<p>German Record Linkage Center (GRLC) Manfred Antoni German Record Linkage Center</p> <p style="text-align: right;">S</p>	<p>Comparing geospatial distance without revealing location James Farrow Farrow Norris Pty Ltd/ SA.NT DataLink</p>	<p>Service-use patterns of Albertan youth receiving maltreatment-related intervention services Cecilia Bukutu ACCFCR - Child & Youth Data Lab (CYDL)</p>	<p>East meets west: cross jurisdictional linkages to evaluate and inform childhood immunisation policy in Australia Hannah Moore Telethon Institute for Child Health Research, University of Western Australia</p> <p style="text-align: right;">S</p>	<p>Application of enhanced re-classification methods to identify hypertension cases using multiple data features from the administrative data Mingkai Peng University of Calgary</p>
<p>Canadian Community Health Survey linked to hospital and mortality data: A national resource for population health research Claudia Sanmartin Statistics Canada</p>	<p>Combing through the grey: Use of linkage outcome strings to complement record weights for linkage at Population Data BC Brent Hills Population Data BC</p>	<p>Inequalities in potentially preventable hospitalisation rates between Aboriginal and non-Aboriginal children in New South Wales, Australia Kathleen Falster Australian National University & Sax Institute</p> <p style="text-align: right;">S</p>	<p>Does the HPV vaccination programme have implications for cervical screening programmes? Shantini Paranjothy Cochrane Institute of Primary Care and Public Health, College of Biomedical & Life Sciences - Cardiff University</p>	<p>The utility of using technical meta data contained in Radiology Department Picture Archive Communication Systems for the establishment of diagnostic reference levels Rachel Moorin Curtin University</p>
<p>Linking Australian Census of Population and Housing data over time and to other sources Christine Williams Australian Bureau of Statistics</p>	<p>Mixed hierarchical two-file record linkage to improve efficiency Abdelnasser Saidi Statistics Canada</p>	<p>Using data linkage to make the 'invisible' visible Jane Freemantle University of Melbourne</p>	<p>A comparison of the effectiveness of the rotavirus vaccines in an Australian Population Parveen Fathima School of Population Health, University of Western Australia</p> <p style="text-align: right;">S</p>	<p>Influence of using different databases and lookback intervals to define comorbidity for patients with newly diagnosed hypertension Guanmin Chen University of Calgary</p>
<p>Towards Military Population Health: The Canadian Forces Health Examinations and Record Outcomes (CF-HERO) Data Linkage Initiative Robert Hawes Canadian Forces Health Services Group, Department of National Defence</p>	<p>Comparing two approaches to link Census and hospital data in Canada Michelle Rotermann Statistics Canada</p>	<p>Making use of existing data sources to provide answers for Indigenous Australian women Lisa Whop Menzies School of Health Research</p> <p style="text-align: right;">S</p>	<p>Using linked data to inform adult immunisation policies Bette Liu University of New South Wales</p>	<p>Addressing confounding through creative cohort construction: CNODES analysis of PPIs and pneumonia Dan Chateau Manitoba Centre for Health Policy/University of Manitoba</p>

S Denotes student

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Rapid-fire sessions

Tuesday April 29 2014, 11:00am - 12:00pm

Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room B
<p>Why does it take so long? Anatomy of a data access request in BC</p> <p>Sherylyn Arabsky Population Data BC, UBC</p>	<p>Study of propensity score for patient allocation in renal replacement therapy database created by linkage of Brazilian National Health Registries</p> <p>Ramon Gonçalves CCATES/UFMG</p> <p style="text-align: right;">S</p>	<p>Validation of an ICD-10 coded case definition for the identification of patients diagnosed with sepsis and severe sepsis using administrative data</p> <p>Rachel Jolley University of Calgary</p> <p style="text-align: right;">S</p>	<p>Using linked census data to understand associations between housing conditions and respiratory hospitalizations among Aboriginal peoples in Canada</p> <p>Claudia Sanmartin Statistics Canada</p>
<p>Versioning and citing of data collections at Population Data BC: Reproducibility and referencing of research extracts</p> <p>Brent Hills Population Data BC</p>	<p>Risk adjustment for smoking identified through tobacco use diagnoses in hospital data: A validation study</p> <p>Alys Havard Centre for Health Research, University of Western Sydney</p> <p style="text-align: right;">S</p>	<p>Quality of linked health data for continuum of care analysis</p> <p>Maureen Kelly Canadian Institute for Health Information</p>	<p>Duration of episodes of healthcare utilization for exacerbations of chronic obstructive pulmonary disease</p> <p>John Paul Kuwornu University of Manitoba</p> <p style="text-align: right;">S</p>
<p>A short history of health statistics and administrative data in Canada, 1867-2013</p> <p>Kelsey Lucyk University of Calgary</p> <p style="text-align: right;">S</p>	<p>Renewal rates of filled antidepressant and antidiemetic prescriptions in the total population of Austria: A record linkage study</p> <p>Heinz Katschnig Ludwig Boltzmann Institute for Social Psychiatry</p>	<p>A secure computerized third party linkage software design</p> <p>Hye-Chung Kum Health Policy & Management, Texas A&M Health Science Center</p>	<p>Variation in hospital cesarean rates among nulliparous women: can it be explained?</p> <p>Yuen Yi (Cathy) Lee The Kolling Institute, University of Sydney</p> <p style="text-align: right;">S</p>
<p>Disease groupers for risk adjustment: Which are compatible with ICD-10, and what does this mean for resource planning?</p> <p>Kelsey Lucyk University of Calgary</p> <p style="text-align: right;">S</p>	<p>Are estimates of the sensitivity of administrative case definitions for chronic disease biased?</p> <p>George Kephart Dalhousie University</p>	<p>Using administrative data to identify 'panel' physicians</p> <p>Ruth Lavergne Centre for Health Services and Policy Research, UBC</p> <p style="text-align: right;">S</p>	<p>An innovative approach to enhance comparability of data across jurisdictions: Charlson Score example</p> <p>Yanyan Gong Canadian Institute for Health Information (CIHI)</p>
<p>Developing tools and resources that leverage the flow of metadata documentation within an organization</p> <p>Tyler Ostapyk Manitoba centre for Health Policy (MCHP)</p>	<p>Early postnatal discharge, gestational age and readmission for jaundice in term infants</p> <p>Samantha Lain The Kolling, University of Sydney</p> <p style="text-align: right;">S</p>	<p>Views and preferences of Alberta birth cohort parent participants on sharing research data</p> <p>Xinje Cui Alberta Centre for Child Family & Community Research (ACCFRC) and Child & Youth Data Laboratory (CYDL)</p> <p style="text-align: right;">S</p>	<p>Health services utilization in older women: The impact of incident osteoarthritis</p> <p>Lynne Parkinson CQUniversity</p>

NOTE: There is a poster for each of the rapid-fire presentations, see page 23

Rapid-fire sessions (continued)

Plaza Room A	Plaza Room B	Plaza Room C	Georgia Room B
<p>The development of a visualization platform for a breast cancer treatment microsimulation model using the British Columbian cancer treatment data</p> <p>Brent Parker The BC Cancer Agency, Centre for the Southern Interior</p> <p>S</p>	<p>The impact of first and second eye cataract surgery on injurious falls that require hospitalisation: A whole population study</p> <p>Lynn Meuleners Curtin Monash Accident Research Centre</p>	<p>An innovative approach to design of an enterprise patient matching service</p> <p>Seyed Ali Mussavi Rizi Provincial Health Services Authority (PHSA)</p> <p>S</p>	<p>Using survey and health administrative data to apply a population perspective lens to the determinants of high users in Ontario, Canada</p> <p>Laura Rosella Public Health Ontario, Canada</p>
<p>The opportunities and challenges of Resident Assessment Instrument data linkage</p> <p>Jeff Poss Jeff Poss (Self-employed)</p>	<p>Short-term impacts of patient education and spirometry use for asthma and COPD patients: Evidence from an experiment at the primary care setting</p> <p>Meric Osman Health Quality Council (Saskatchewan)</p>	<p>From lab specimens to linkage: Laying the foundation for a hepatitis B study using Public Health Ontario Laboratories' (PHOL) data</p> <p>Laura Rosella Public Health Ontario</p>	<p>The experiences of Albertan youth with criminal involvement</p> <p>Christine Werk Alberta Centre for Child, Family, & Community Research/ Child and Youth Data Laboratory</p>
<p>Data linkage - the big picture!</p> <p>Brian Stokes Menzies Research Institute Tasmania</p>	<p>Impact of parental multiple sclerosis and the associated mental comorbidity on early childhood development</p> <p>Neda Razaz University of British Columbia</p> <p>S</p>	<p>A review of statistical methods for modeling hospital length of stay</p> <p>Hude Quan University of Calgary</p>	<p>Evolution and ecology of data linkage systems: An example from Western Australia</p> <p>Diana Rosman Department of Health Western Australia</p>
	<p>A profile of Albertan youth receiving income support using linked population level data</p> <p>Cecilia Bukutu Alberta Centre for Child Family & Community Research (ACCFRC) and Child & Youth Data Laboratory (CYDL)</p>		

NOTE: There is a poster for each of the rapid-fire presentations, see page 23

Poster presentations

Poster presentations are listed by theme, then alphabetically by last name. Posters will be displayed in the Regency Ballroom.

S Denotes Student poster **RF** Denotes Rapid-fire presentation poster

Aboriginal/First Nations/Indigenous health

- 1 Using linked Census data to understand associations between housing conditions and respiratory hospitalizations among Aboriginal peoples in Canada
Claudia Sanmartin, Statistics Canada, Canada **RF**
- 2 Disparities in hospital care for heart attacks among First Nations, Inuit, and Métis
Helen Wei, Canadian Institute for Health Information, Canada
- 3 Nobody does this for very long if they're not passionate about it, its damned hard work': Negotiating First Nations led health data governance in BC
Sennait Yohannes, First Nations Health Authority, Canada

Cancer

- 4 Non-response had minimal effect on the results of a case-control study of colorectal cancer
Terry Boyle, University of British Columbia/University of Western Australia, Canada/Australia **S**

Care provision

- 5 Duration of episodes of healthcare utilization for exacerbations of chronic obstructive pulmonary disease
John Paul Kuwornu, University of Manitoba, Canada **S RF**
- 6 Using administrative data to identify 'panel' physicians
Ruth Lavergne, Centre for Health Services and Policy Research, University of British Columbia, Canada **S RF**
- 7 Short-term impacts of patient education and spirometry use for asthma and COPD patients: Evidence from an experiment at the primary care setting
Meric Osman, Health Quality Council (Saskatchewan), Canada **RF**

Care for special populations

- 8 What leads tuberculosis patients to die? Multiple causes of death in a cohort of notified cases
Claudia Coeli, Federal University of Rio de Janeiro, Brazil
- 9 The impact of first and second eye cataract surgery on injurious falls that require hospitalisation: A whole population study
Lynn Meuleners, Curtin Monash Accident Research Centre, Australia **RF**
- 10 Health services utilization in older women: The impact of incident osteoarthritis
Lynne Parkinson, CQ University, Australia **RF**

Childhood illness

- 11 Do kindergarten-level behaviour profiles of children with ASD differ from profiles of children with other developmental disabilities?
Matt Horner, McMaster University, Canada
- 12 Using the Utah population database for life course epidemiology
Alison Fraser, Huntsman Cancer Institute, University of Utah, United States
- 13 Early postnatal discharge, gestational age and readmission for jaundice in term infants
Samantha Lain, The Kolling, University of Sydney, Australia **S RF**

Poster presentations (continued)

#	Childhood illness	
14	Impact of different geographical aggregations on the association between socioeconomic status and healthy child development in Ontario Rob Raos, McMaster University, Canada	
15	Impact of parental multiple sclerosis and the associated mental comorbidity on early childhood development Neda Razaz, University of British Columbia, Canada	S RF
16	Childhood mental disorders and adulthood labor market outcomes Jia Yu, Suffolk University, United States	S
#	Data access challenges and solutions	
17	BC's model of health data access: The role of Population Data BC in the process for obtaining and using BC administrative data Sherylyn Arabsky, Population Data BC, University of British Columbia, Canada	
18	Why does it take so long? Anatomy of a data access request in BC Sherylyn Arabsky, Population Data BC, University of British Columbia, Canada	RF
19	Balancing protection of information privacy and effective use of linked administrative data for policy Xinjie Cui, ACCFCR - Child & Youth Data Lab (CYDL), Canada	
20	Developing tools and resources that leverage the flow of metadata documentation within an organization Tyler Ostapyk, Manitoba Centre for Health Policy, Canada	RF
21	The opportunities and challenges of Resident Assessment Instrument data linkage Jeff Poss, Canada	RF
#	Data linkage for policy development	
22	Showing a measurable effect of home energy efficiency improvements on health Martin Heaven, Centre for Improving Population Health through eRecords Research CIPHER, Swansea University, Wales	
#	Data quality	
23	Risk adjustment for smoking identified through tobacco use diagnoses in hospital data: a validation study Alys Havard, Centre for Health Research, University of Western Sydney, Australia	S RF
24	Validation of an ICD-10 coded case definition for the identification of patients diagnosed with sepsis and severe sepsis using administrative data - POSTER NOT DISPLAYED Rachel Jolley, University of Calgary, Canada	S RF
25	Are estimates of the sensitivity of administrative case definitions for chronic disease biased? George Kephart, Dalhousie University	RF
26	The science of data quality: Identifying research priorities Lisa Lix, University of Manitoba, Canada	

Poster presentations (continued)

#	Governance	
27	The Quebec Integrated Chronic Disease Surveillance System: An innovative approach Valerie Emond, Institut national de santé publique du Québec, Canada	
28	Views and preferences of Alberta birth cohort parent participants on sharing research data Xinje Cui, Alberta Centre for Child Family & Community Research (ACCFRC) and Child & Youth Data Laboratory (CYDL), Canada	RF
29	The Birth of a new Institute - FARR away in Scotland: How we do it Carole Morris, National Services Scotland, Scotland	
30	Evolution and ecology of data linkage systems: An example from Western Australia Diana Rosman, Department of Health, Western Australia, Australia	RF
31	Population Health Research Data Repository - data flow diagram Mark Smith, Manitoba Centre for Health Policy, Canada	
#	Health care costs	
32	HHR expenditure in Canada - the cost of providing care Barbara Loh, Canadian Institute for Health Information, Canada	
33	Using survey and health administrative data to apply a population perspective lens to the determinants of high users in Ontario, Canada Laura Rosella, Public Health Ontario, Canada	RF
34	Operational definition of diseases using health insurance claims data for data linkage with KNHANES Hyejung Chang, Kyung Hee University, South Korea	
#	Linkage	
35	A Canadian perinatal health disparities study Tracey Bushnik, Statistics Canada, Canada	
36	Evaluating the impact of linkage errors on risk ratios for mortality in survival studies that employ probabilistic record linkage techniques Kenneth Camargo, Universidade do Estado do Rio de Janeiro, Brazil	
37	An empirical comparison of probabilistic and deterministic record linkage approaches using tuberculosis notification data Claudia Coeli, Federal University of Rio de Janeiro, Brazil	
38	Making inference with probabilistically linked data Phillip Gould, Australian Bureau of Statistics, Australia	
39	Quality of linked health data for continuum of care analysis Maureen Kelly, Canadian Institute for Health Information, Canada	RF
40	A secure computerized third party linkage software design Hye-Chung Kum, Texas A&M Health Science Center, United States	RF
41	Assessing correct record linkage between administrative data and vital statistics Bing Li, Alberta Health Services, Canada	
42	An innovative approach to design of an enterprise patient matching service Seyed Ali Mussavi Rizi, Provincial Health Services Authority (PHSA), Canada	S RF

RF

Poster presentations (continued)

#	Linkage	
43	From lab specimens to linkage: Laying the foundation for a hepatitis B study using Public Health Ontario Laboratories' (PHOL) data Laura Rosella, Public Health Ontario, Canada	
44	A systematic review of risk adjustment models of hospital length of stay (LOS) Hude Quan, University of Calgary, Canada	RF
45	A review of statistical methods for modeling hospital length of stay Hude Quan, University of Calgary, Canada	RF
46	Data linkage - the big picture! Brian Stokes, Menzies Research Institute Tasmania, Australia	
47	The Open Data Model Project: AHS DIMR & APPROACH collaborative project Danielle Southern, University of Calgary, Canada	
#	Maternal/women's health	S
48	Using data linkage to investigate associations between birth defects, terminations of pregnancy, and medicines dispensed to pregnant women Lyn Colvin, Telethon Institute for Child Health Research, Australia	
49	Evidence and practice: Epidural analgesia in labour and caesarean section Jane Ford, Kolling Institute of Medical Research, University of Sydney, Australia	
50	Obstetric blood transfusion during pregnancy, birth and the postnatal period Jane Ford, Kolling Institute of Medical Research, University of Sydney, Australia	S RF
51	Variation in hospital cesarean rates among nulliparous women: Can it be explained? Yuen Yi (Cathy) Lee, The Kolling Institute, University of Sydney, Australia	
52	Identification of stillbirths in linked population health datasets Christine Roberts, The Kolling Institute, University of Sydney, Australia	
53	Stillbirths in NSW, Australia. Trends and recurrence Christine Roberts, The Kolling Institute, University of Sydney, Australia	
#	Mental health and addictions	
54	Using linked data from multiple sources in indicator development in Canada Yanyan Gong, Canadian Institute for Health Information (CIHI)	S
55	Treatment effects on mental health outcomes for Australian women uptaking the 'Better Access Scheme' mental health services: A data linkage study. Anna Graves, University of Newcastle, Australia	RF
56	Renewal rates of filled antidepressant and antidementive prescriptions in the total population of Austria: A record linkage study Heinz Katschnig, Ludwig Boltzmann Institute for Social Psychiatry, Austria	
57	Contrasting the experiences of the least and most advantaged youth in Alberta Navjot Lamba, Alberta Centre for Child, Family & Community Research/Child & Youth Data Laboratory, Canada	
#	Metadata	
58	Bringing concepts to life through data linkage and documentation Ken Turner, Manitoba Centre for Health Policy, Canada	

Poster presentations (continued)

#	Methods	
59	Using linked administrative data to reduce bias in observational research: An exemplar project Rosie Cornish, University of Bristol, England	
60	Study of propensity score for patient allocation in renal replacement therapy database created by linkage of Brazilian National Health Registries Ramon Gonçalves, CCATES/UFMG, Brazil	RF S
61	Disease groupers for risk adjustment: Which are compatible with ICD-10, and what does this mean for resource planning? - POSTER NOT DISPLAYED Kelsey Lucyk, University of Calgary, Canada	S RF
62	The development of a visualization platform for a breast cancer treatment microsimulation model using the British Columbian cancer treatment data Brent Parker, The BC Cancer Agency, Centre for the Southern Interior, Canada	S RF
63	Effects of longitudinal changes in Charlson Comorbidity on prognostic survival model performance among newly diagnosed hypertension patients Peter Rymkiewicz, University of Calgary, Canada	S
64	Developing and validating data extracting method from Chinese electronic health records Shawn Yuan Xu, University of Calgary, Canada	

#	New centres and linkages	
65	Moving linkage from bespoke studies to big data David Engelhardt, Department for Education and Child Development, Australia	
66	Why are there Differences in Mental Health Outcomes Between the UK and US Armed Forces Deployed to Iraq? Anika Rahim and Janani Arulrajah, King's College London Centre for Global Health, England	
67	Concept of individual record linkage of primary data of the German National Cohort with claims and registry data Enno Swart, Institute for Social Medicine & Health Economics, Otto-von-Guericke-University, Germany	

#	Pan-jurisdiction linkage	
68	An innovative approach to enhance comparability of data across jurisdictions: Charlson score example Yanyan Gong, Canadian Institute for Health Information (CIHI), Canada	RF

#	Technical data management and access	
69	Versioning and citing of data collections at Population Data BC: Reproducibility and referencing of research extracts Brent Hills, Population Data BC, University of British Columbia, Canada	RF
70	A short history of health statistics and administrative data in Canada, 1867-2013 - POSTER NOT DISPLAYED Kelsey Lucyk, University of Calgary, Canada	S RF

#	Youth	
71	A profile of Albertan youth receiving income support using linked population level data Cecilia Bukutu, Alberta Centre for Child Family & Community Research (ACCFRC) and Child & Youth Data Laboratory (CYDL), Canada	RF
72	The experiences of Albertan youth with criminal involvement Christine Werk, Alberta Centre for Child, Family, & Community Research/Child & Youth Data Laboratory, Canada	RF

