

# International Population Data Linkage Network 2018 Conference

12 - 14 September 2018 Pre Conference - 11 September 2018 Banff Centre, Banff, Alberta, Canada

## **Concurrent Sessions**

(Titles of concurrent sessions that are underlined link to a PDF of the slides presented in the session)

### WEDNESDAY, SEPTEMBER 12, 2018

10:15AM to 11:45AM

**CONCURRENT SESSION A** 

A1: ADVANCED ANALYTICS

**KINNEAR CENTRE 303** 

### A1.1

Methodological issues for measuring pharmacotherapy treatment and its calibration with patient outcomes using real-world data Presented by: Guanmin Chen

### A1.2

Combining artificial neural networks, routine health records and suicide risk factors

Presented by: Marcos del Pozo Banos

### A1.3

Longitudinal patterns of asthma exacerbations from infancy to school age

Presented by: Matea Deliu

### A1.4

A constrained cohort life table model of first abortions

Presented by: Peter Dutey- Magni

### A1.5

Life expectancy and health-adjusted life expectancy are decreased in people living with inflammatory bowel disease: a population-based matched cohort study

Presented by: Ellen Kuenzig

10:15AM to 11:45AM

**CONCURRENT SESSION A** 

AZ. ANALTTICAL APPROACHES TO DISTRIBUTED

(INNEAR CENTRE 30:

DAI

### A2.1

Harmonization of data from cohort studies-potential challenges and opportunities

Presented by: Kamala Adhikari

### A2.2

Public cloud: the future of record linkage?

Presented by: Adrian Brown

### A2.3

International meta-analysis of 684,660 men with vasectomies

Presented by: James Boyd

### A2.4

If you link it they will come, if they like it they will stay: the Utah Population Database as a model for creating a confidential linked population health research registry

Presented by: Ken Smith

### A2.5

Analytical approaches to distributed data: design and operation of a distributed health data network

Presented by: Jeffrey Brown

### A2.6

Impact of clinical subtypes of preterm birth on child health and development

Presented by: Amy Metcalfe

10:15AM to 11:45AM **CONCURRENT SESSION A** 

### A3.1

Whose benefit is it anyway? Public expectations of public benefits from health informatics research

Presented by: Mhairi Aitken

### A3.2

Public engagement with cohort participants in Scotland and India: How do participants want to shape mental health research? Presented by: Dorota Chapko

### A3.3

Empathic cultural mapping: Little data, big data, knowledge transfer and exchange

Presented by: Suzanne Goopy

Exploring public attitudes towards data sharing and linkage in health and social care

Presented by: Mary Tully

### A3.5

Policy advocacy to enable administrative data linking: building a civil society coalition

Presented by: Michael Lenczner

#### A3.6

Power of linked administrative data

Presented by: Hesam Izakian

10:15AM to 11:45AM	CONCURRENT SESSION A
A4: DELIVERING AND MEASURING IMPACT	KINNEAR CENTRE 308

### A4.1

Using administrative data to evaluate the effectiveness of home visiting programs for improving the well-being of First Nations children and parents

Presented by: Mariette Chartier

### A4.2

Linking midwives and hospital morbidity data to investigate the effect of interpregnancy interval on gestational diabetes: a 35-year cohort study in Western Australia

Presented by: Amanuel Gebremedhin

### A4.3

What happened to my patient after I dropped them off at the ED? Linking Welsh ambulance to secondary care and mortality data Presented by: Gareth John

### A4.4

Data linkage to build detailed return-to-work trajectories for work disability research

Presented by: Esther Maas

### A4.5

Using linked data to evaluate enhanced primary care policies for chronic diseases using stroke as a case study (PRECISE)

Presented by: Nadine Andrew

10:15AM to 11:45AM

**CONCURRENT SESSION A** 

**A5: CAPACITY BUILDING** 

A5.1

Population data science: the science of data about people

Presented by: Kim McGrail

### A5.2

Supporting applied, multidisciplinary analytic skills: an innovative training platform for researcher capacity building Presented by: Ann Greenwood

### A5.3

Creating a community of practice to support data linkage across agencies

Presented by: Amy Hawn Nelson

### A5.4

Lessons from the past: a window on the future

Presented by: Alan Katz

#### A5.5

Needs and priority areas for building capacity for working with linked data in the Australian pharmacoepidemiology workforce Presented by: Derrick Lopez

### A5.6

Development of a concept dictionary to standardize definitions and classifications while working with a common repository of linked administrative data

Presented by: Erin Macdonald

10:15AM to 11:45AM

**CONCURRENT SESSION A** 

KINNEAR CENTRE 301

### A6.1

When the census comes marching in: challenges and successes in linking individual-level census records to the Utah Population **Database** 

Presented by: Ken Smith

### A6.2

Linkage of whole genome sequencing with administrative health data for the study of autism spectrum disorder: feasibility, opportunities and challenges

Presented by: Jennifer Brooks

### A6.3

Lessons learned: linking patient-reported outcomes data with administrative databases

Presented by: Laura Davis

### A6.4

Training coding specialists for the future: methods and materials for the beta version of ICD-11

Presented by: Catherine Eastwood

### A6.5

A comparison of methodologies: sibling identification using a relational versus a graph-based approach

Presented by: James Farrow

### A6.6

Designing and implementing a privacy preserving record linkage protocol

Presented by: Tom Gee

10:15AM to 11:45AM CONCURRENT SESSION A

A7: PRIVACY, REGULATION AND GOVERNANCE MAX BELL 25

### A7.1

Privacy, ethics and information sharing of New Zealand's Integrated Data Infrastructure (IDI): a discussion of the issues, challenges and opportunities

Presented by: June Atkinson

### A7.2

Enhancing environmental data resources in cohort studies: ALSPAC exemplar (ERICA)

Presented by: Andy Boyd

#### A7.3

Progress with access to cross-jurisdictional linked data in Australia

Presented by: Felicity Flack

### A7.4

Towards an ethically-founded framework for the use of mobile phone CDRs in health research

Presented by: Kerina Jones

#### A7.5

An effective privacy enhanced interface to support record linkage decisions

Presented by: Hye-Chung Kum

#### A7.6

Governance challenges to promoting data readiness and data linkage for not-for-profit organizational service data

Presented by: Jason Lau

10:15AM to 11:45AM CONCURRENT SESSION A
A8: SOCIAL DETERMINANT OF HEALTH AND KINNEAR CENTRE 204
CROSS-SECTORAL DATA LINKAGE

A8.1

Data linkage to investigate exposure to environmental hazards: the example of residential asbestos

Presented by: Phil Anderson

### A8.2

Clinically driven analysis reveals gene-socioeconomic status interaction influencing periodontal disease in the electronic health record-linked Generation Scotland: Scotlish Family Health Study (GS: SFHS) cohort.

Presented by: Mairead L. Bermingham

### A8.3

Self-harm following release from incarceration: patterns and measurement issues

Presented by: Rohan Borschmann

### A8.4

The Mortality After Release from Incarceration Consortium (MARIC) study: strengths of international data linkage Presented by: Rohan Borschmann

### A8.5

No strings attached: the impact of an unconditional prenatal income supplement on First Nations birth and early childhood outcomes

Presented by: Marni Brownell

### A8.6

The overlap between the child welfare and youth justice systems in Manitoba, Canada

Presented by: Marni Brownell

10:15AM to 11:45AM

**CONCURRENT SESSION A** 

**A9: DATA AND LINKAGE QUALITY (1)** 

MAX BELL 25

### A9.1

Analysis of factors associated with changing general practice in the first 14 years of life in Wales using linked cohort and primary care records: implications for using primary care databanks for life course research

Presented by: Ashley Akbari

### A9.2

Defining frailty in EHR using machine learning

Presented by: Sylvia Aponte-Hao

### A9.3

The mysterious case of the delayed twin: using research data to resolve linkage questions

Presented by: Daniel Avery

### A9.4

To err is Human, all hail your robot overseer: automated testing as part of a robust data delivery platform

Presented by: Daniel Avery

### A9.5

Linkage quality assessment for anonymously linked administrative data

Presented by: Hitesh Bhatt

### A9.6

Linking emergency medical services and health system data: optimal strategy and bias mitigation

Presented by: Ian Blanchard

10:15AM to 11:45AM CONCURRENT SESSION A
A10: DATA AND LINKAGE QUALITY (2) MAX BELL 253

### A10.1

Evaluation of interventions to improve inpatient hospital documentation within electronic health records: a systematic review Presented by: Natalie Wiebe

### A10.2

Discrepencies between survery and administrative data on chronic conditions: findings from data linkage of administrative healthcare data to Alberta's Tomorrow Project Cohort

Presented by: Ming Ye

### A10.3

Cross-validation of drug use records in two pharmaceutical databases: a population-based study of Alberta's Tomorrow Project Cohort Presented by: Ming Ye

### A10.4

Contact with mental health services after medically verified self-harm: a prospective data linkage study

Presented by: Jesse Young

### A10.5

SAGE: supporting secondary data use and expediting knowledge mobilization with linked research and service delivery data Presented by: Yunqi Zhang 10:15AM to 11:45AM CONCURRENT SESSION A
A11: IJDPS COLLABORATIVE WORKSHOP KINNEAR CENTRE 201

A11

International Journal of Population Data Science: development and future directions

Presented by: Kerina Jones

10:15AM to 11:45AM CONCURRENT SESSION A
A12: STATISTICS CANADA WORKSHOP KINNEAR CENTRE 208

A12

Integrating social data at Statistics Canada: data linkage services to support research

Presented by: Richard Trudeau, Shirley Bryan, Lisa Oliver and Claudia Sanmartin

1:15PM TO 2:45PM CONCURRENT SESSION B
B1: ADVANCED ANALYTICS KINNEAR CENTRE 303

B1.1

A data-driven approach to identify cases of cerebral palsy using the UK primary care database

Presented by: Heng Fan

B1.2

Swiftlink: a distributed, parallelised and scriptable linkage engine architecture for the 21st century

Presented by: James Farrow

B1.3

A data science approach to predictive analytic research and knowledge translation

Presented by: Stacey Fisher

**B1.4** 

How to find maternal siblings in birth registration data - linkage methods for unknown family sizes

Presenting by: Rachel Shipsey

B1.5

Development of a time-duration measure of continuity of primary care: a threshold effects approach to identify optimal primary health care use for diabetes

Presented by: Ninh Thi Ha

B1.6

Ensemble-based classification models for predicting post-operative mortality risk in coronary artery disease

Presented by: Anita Brobbey

### 1:15PM TO 2:45PM

### **CONCURRENT SESSION B**

**B2: ANALYTICAL APPROACHES TO DISTRIBUTED DATA** 

KINNEAR CENTRE 305

B2.1

Validation of acute kidney injury e-alert system in Wales

Presented by: Gareth Davies

B2.2

Further development and validation of the electronic Frailty Index using the Secure Anonymised Information Linkage Databank Presented by: Joe Hollinghurst

B2.3

Trajectory of service use among young Albertans with complex needs

Presented by: Hesam Izakian

B2.4

Systematic recording errors of blood pressure in Canadian and UK primary care and associations with cardiovascular outcomes Presented by: Sumeet Kalia

B2.5

Identification of frailty using EMR and admin data: a complex issue

Presented by: Alan Katz

B2.6

Medical needs after pediatric TBI

Presented by: Tellen Bennett

1:15PM TO 2:45PM B3: PUBLIC ENGAGEMENT **CONCURRENT SESSION B** 

**KINNEAR CENTRE 204** 

B3.1

International consensus statement on public involvement and engagement with data-intensive health research

Presented by: Mhairi Aitken

B3.2

Getting animated about routine data: co-producing a video and toolkit with young families

Presented by: Fiona Lugg-Widger

B3.3

Commercial use of health data in the dock - results of a public "trial"

Presented by: Mary Tully

B3.4

Priorities for future research: the community adding value to linked data research

Presented by: Anne McKenzie

B3.5

Data byte: an insight on fetal alcohol spectrum disorder and educational achievement

Presented by: Carley Piatt

B3.6

Public views and recommendations on the use of linked data for research: preliminary results from a public deliberation engagement

Presented by: Jack Teng

### 1:15PM TO 2:45PM CONCURRENT SESSION B

### B4.1

Can linked electronic medical record and administrative data help us identify those living with frailty?

Presented by: Sabrina Wong

### B4.2

Evaluating the health impacts of home energy efficiency schemes

Presented by: Sian Morrison-Rees

### B4.3

Optimizing impact in fighting the global HIV epidemic

Presented by: Derek Ritz

### **B4.4**

Using data to explore vulnerable women's utilization of maternity health care

Presented by: Mahnoush Rostami

### B4.5

The economic impacts of ICD-9 to ICD-10 health indicator coding system transition in the Calgary region

Presented by: Shahreen Khair

### 1:15PM TO 2:45PM

### **CONCURRENT SESSION B**

KINNEAR CENTRE 308

### B5.1

Multi-province epidemiological research using linked administrative data: a case study from Canada

Presented by: Amanda Butler

### B5.2

Pan-Canadian real-world health data network: building a national data platform

Presented by: Kim McGrail

### B5.3

Scalable Secure Privacy-Preserving Record Linkage (PPRL) methods using cloud-based infrastructure

Presented by: Toan Ong

### B5.4

Visualising linked data using GIS: Western Australian Child Development Atlas

Presented by: Scott Sims

### B5.5

Alberta's data mobilization strategy: leveraging linked data for innovation

Presented by: Larry Svenson

### B5.6

The Ontario Data Safe Haven & Health Artificial Intelligence Data Analytics Platform: bringing high performance computing to population-wide data assets

Presented by: J. Charles Victor

B6: LINKING TO EMERGING DATA TYPES

**R6 1** 

Extending follow up of randomised clinical trials by linkage to routinely collected data – results of a scoping review of the published literature

Presented by: David Henry

B6.2

Using family physician Electronic Medical Record data to measure the pathways of cancer care

Presented by: Liisa Jaakkimainen

B6.3

Mortality attributable to poor dietary patterns in Canada: National Nutrition Survey linked with health administrative data

Presented by: Mahsa Jessri

B6.4

Using natural language processing to extract structured epilepsy information

Presented by: Beata Fonferko-Shadrach

B6.5

A national population-based e-cohort of people with psychosis (PsyCymru) linkage of phenotypical and genetic data to routinely collected records

Presented by: Keith Lloyd

B6.6

Linking pharmacy dispensing data to other administrative health datasets to measure the compliance and effectiveness of RSV immunoprophylaxis

Presented by: Hannah Moore

1:15PM TO 2:45PM

**CONCURRENT SESSION B** 

**B7: PRIVACY, REGULATION AND GOVERNANCE** 

**MAX BELL 251** 

B7.1

Through the legal maze: an act respecting research

Presented by: Ted McDonald

B7.2

A toolbox for research – Population Data BC's tools for overcoming challenges in the data access process

Presented by: Melissa Medearis

B7.3

NHS Scotland Public Benefit and Privacy Panel (PBPP) – does a proportionate governance review work?

Presented by: Carole Morris

B7.4

NHS Scotland Public Benefit and Privacy Panel (PBPP) - much ado about governance 3 years on

Presented by: Carole Morris

B7.5

U.S. data access and the commission for evidence-based policymaking

Presented by: Amy O'Hara

B7.6

Evaluating hardening techniques against cryptanalysis attacks on Bloom filter encodings for record linkage

Presented by: Rainer Schnell

### 1:15PM TO 2:45PM

B8: SOCIAL DETERMINANT OF HEALTH AND CROSS-SECTORAL DATA LINKAGE (1)

## CONCURRENT SESSION B KINNEAR CENTRE 301

### B8.1

Cross-sector service use among youth and young adults involved in the Alberta provincial justice system Presented by: Xinjie Cui

B8.2

Repeat pregnancy during adolescence and educational level in Brazil

Presented by: Kenneth Camargo

**B8.3** 

Childhood mental disorders and subsequent adverse outcomes in early adulthood: a population-based longitudinal study

Presented by: Mariette Chartier

B8.4

Is participation in out-of-school programs linked to better health, education and social outcomes?

Presented by: Jennifer Enns

B8.5

The Canadian Urban Environmental Health Research Consortium (CANUE): a national data linkage initiative

Presented by: Dany Doiron

B8.6

The effect of neighbourhood crime and deprivation on pregnancy outcomes. A quasi-experimental study using routine administrative records

Presented by: Chris Dibben

1:15PM TO 2:45PM

**CONCURRENT SESSION B** 

B9: SOCIAL DETERMINANT OF HEALTH AND

**KINNEAR CENTRE 201** 

CROSS-SECTORAL DATA LINKAGE (2)

B9.1

Provincial data-linkage to address complex policy challenges

Presented by: Jeremy Coad

B9.2

Spatial epidemiology of premature mortality in Ontario, Canada

Presented by: Emmalin Buajitti

B9.3

Improving the measurement of equity across health system performance across the rural-urban continuum

Presented by: Laura Rosella

B9.4

Transitions from pediatric to adult services for individuals with mental health diagnoses

Presented by: Dan Chateau

B9.5

Measuring social determinants of health and their impact on service use and medical complexity

Presented by: Dan Chateau

B9.6

Intermediate-linkage steps used to obtain longitudinal data (containing heath service use, morbidity and mortality data) for a large cohort of patients who are homeless that visited and were discharged from hospital in England

Presented by: Hannah Evans

### 1:15PM TO 2:45PM

### CONCURRENT SESSION B KINNEAR CENTRE 208

### B10.1

Early childhood respiratory morbidity and health services utilization in children born preterm or small and large for gestational age Presented by: Jesus Serrano-Lomelin

### B10.2

Use of linked electronic health records to evaluate cardiovascular risk prediction models in Ontario, Canada Presented by: Atul Sivaswamy

### B10.3

Identifying and prioritizing low value care in British Columbia using three administrative health data assets Presented by: Lesley Soril

#### R104

Evaluation of the Western Australian population based Intellectual Disability Exploring Answers (IDEA) surveillance system Presented by: Natalie Strobel

### B10.5

Linking provincial and prospective cohort study data to estimate the incidence and healthcare burden of viral gastroenteritis Presented by: Gillian AM Tarr

### B10.6

Use of the CANHEART 'big data' registry to conduct and validate registry RCTs in Canada Presented by: Jacob Udell

1:15PM TO 2:45PM
B11: INTERNATIONAL COLLABORATIVE

CONCURRENT SESSION B

WORKSHOP

**B11** 

International comparison of approaches to common data models for comparative effectiveness research Presented by: Adrian Levy

### C1.1

Incidence, recurrence and predictors associated with recurrence of low birth weight in Northern Tanzania

Presented by: Michael Johnson Mahande

### C1.2

Using large data to present uncertainty for risk prediction in the era of precision medicine: the RESPECT algorithm for predicted death at end-of-life

Presented by: Sarah Spruin

### C1.3

Learning unsupervised representations from biomedical text

Presented by: Christopher Meaney

### C1.4

Using biomedical text as data and representation learning for identifying patients with an osteoarthritis phenotype in the electronic medical record

Presented by: Christopher Meaney

### C1.5

Machine learning: how much does it improve the prediction of unplanned hospital admissions?

Presented by: Colin Weaver

3:15PM TO 4:30PM CONCURRENT SESSION C
C2: ANALYTICAL APPROACHES TO DISTRIBUTED MAX BELL 251

### C2.1

Combining high spatial resolution air pollution data with individual level health and education data: Cognitive development Respiratory Tract Illness and Effects of eXposure (CORTEX)

Presented by: Sarah Rodgers

### C2.2

Enhancing description of hospital-conditions with ICD-11 cluster coding: better codes for monitoring and prevention Presented by: Danielle Southern

### C2.3

Using residential anonymous linking fields to identify vulnerable populations in administrative data Presented by: Joe Hollinghurst

### C2.4

Integrating electronic health records from different sources across the UK: lessons from a record linkage study Presented by: Karen Tingay

### C2.5

A case study in distributed team science in research using electronic health records

Presented by: Jiao Song

### C2.6

Integrating population-wide laboratory testing data with physician audit-and-feedback reports to improve glycemic and cholesterol control among Ontarians with diabetes

Presented by: Michael Campitelli

### WEDNESDAY, SEPTEMBER 12, 2018 (continued)

### C3.1

First Nations data governance, privacy, and the importance of the OCAP® principles

Presented by: Graham Mecredy

### C3.2

Cultural and institutional barriers among data stewards regarding data access for research

Presented by: Jack Teng

#### C3.3

Linking medical licensing examination scores with longitudinal physician practice data using a privacy preserving protocol Presented by: Niels Thakkar

### C3.4

A framework to facilitate interprovincial sharing of secondary health data in Canada

Presented by: Robin Urguhart

### C3.5

Unconsented linkage between dormant trials and administrative data: the journey of the head or heart study Presented by: Maximiliane Verfuerden

### C3.6

Principles and operational model for governing Diabetes Action Canada's data repository for patient-oriented research Presented by: Donald Willison

3:15PM TO 4:30PM	
C4: SOCIAL DETERMINANT OF HEALTH AND	
CROSS-SECTORAL DATA LINKAGE (1)	

CONCURRENT SESSION C

KINNEAR CENTRE 305

### C4.1

Developmental vulnerability at age five among children who enter and progress through the child protection system in New South Wales, Australia: a cross-sectoral data linkage study

Presented by: Kathleen Falster

### C4.2

Use of cross-sectoral data linkage to predict high-rate offenders

Presented by: Anna Ferrante

### C4.3

How do socio-demographic differences in administrative records affect the quality of data linkage?

Presented by: Anna Ferrante

### C4.4

Gana Burrai: mother and child: a proof of concept to culturally & more accurately determine Aboriginal maternal and infant health Presented by: Jane Freemantle

### C4.5

Social class, socio-demographic factors and hospitalization in Canada

Presented by: Jenny Godley

### C4.6

Housing and health: linking population health survey data to housing assistance data

Presented by: Cordell Golden

### WEDNESDAY, SEPTEMBER 12, 2018 (continued)

### C5: SOCIAL DETERMINANT OF HEALTH AND CROSS-SECTORAL DATA LINKAGE (2)

#### KINNEAR CENTRE 30:

C5.1

Measuring trends in health inequalities across urban cities in Canada: a focus on health system use

Presented by: Geoff Hynes

C5.2

Trends in socioeconomic inequalities in ischemic heart disease, 2000-2012

Presented by: Brendan Smith

C5.3

Public housing and healthcare use: determining whether public housing functions as an intervention using linked population-based administrative data

Presented by: Aynslie Hinds

C5.4

Calgary Thrives: data sharing and linkage in the not-for-profit sector

Presented by: Robert Jagodzinski

C5.5

Education and social service use patterns of children and youth with neurodevelopmental disorders

Presented by: Ruiting Jia

C5.6

Environmental risk factors on suicide of children and young people

Presented by: **Ann John** 

3:15PM TO 4:30PM CONCURRENT SESSION C
C6: DATA AND LINKAGE QUALITY (1) MAX BELL 252

C6.1

Main Condition Coding Agreement: comparing ICD-10 and ICD-11 codes

Presented by: Chelsea Doktorchik

C6.2

Strengths and barriers to hospital chart coding quality from health information manager perspectives: a qualitative study Presented by: Chelsea Doktorchik

C6.3

Improving the coding completeness of hypertension in inpatient hospital administrative data using machine learning methods Presented by: Adam D'Souza

C6.4

How do we enhance linked administrative data based chronic disease surveillance in Canada?

Presented by: Raquel Duchen

C6.5

Experiences with coding using ICD-11: "the codes paint a clearer picture"

Presented by: Catherine Eastwood

C6.6

Integrating Ontario health and social services data to inform research and policy development

Presented by: Mandeep Flora

### WEDNESDAY, SEPTEMBER 12, 2018 (continued)

### C7: DATA AND LINKAGE QUALITY (2)

MAX BELL 253

### C7.1

Validating the accuracy of place of death in Vital Statistics of Calgary Zone residents in 2015.

Presented by: Andrew Fong

### C7.2

Cecilia: an R package to automate data cleaning of administrative datasets

Presented by: Alexandre Franco Garcia

### C7.3

The Utah Population Database: new record linking techniques to improve linking rates of Hispanics

Presented by: Alison Fraser

### C7.4

Challenges in linking administrative data for monitoring bloodstream infection in neonatal units in England and Wales Presented by: Caroline Fraser

### C7.5

Maternal mortality of women with opioid-use during pregnancy in England: investigating bias in a cohort of linked mother-baby hospital records

Presented by: Ruth Gilbert

### C7.6

Validation & vindication: comparing electronic health records against hospital notes

Presented by: Alex Hacker

3:15PM TO 4:30PM	CONCURRENT SESSION C
C8: APPLIED PROJECTS (1)	KINNEAR CENTRE 201

### C8.1

Using linked data and family studies to understand multigenerational causes of low birthweight among Australian Aboriginal infants

Presented by: Alison Gibberd

### C8.2

Poor birth outcomes among Aboriginal Western Australians and smoking, alcohol and substance misuse, and assault Presented by: Alison Gibberd

### C8.3

Secondary care provision for children (CYP) and young people with cerebral palsy (CP): a data-linkage study Presented by: Bethan Carter

### C8.4

Effectiveness of rotavirus vaccine against rotavirus-coded hospitalisations among Australian Aboriginal and non-Aboriginal children Presented by: Parveen Fathima

### C8.5

Linking lab, program, and administrative data to provide comprehensive colorectal cancer screening status of patients to primary care providers in Calgary, Alberta

Presented by: Jessica Law

### WEDNESDAY, SEPTEMBER 12, 2018 (continued)

3:15PM TO 4:30PM C9: APPLIED PROJECTS (2) CONCURRENT SESSION C
KINNEAR CENTRE 204

### C9.1

Patient-physician relational continuity and healthcare utilization among Albertans

Presented by: Tanmay Patil

### C9.2

CIHI's population grouping methodology: beyond predicting costs

Presented by: Yvonne Rosehart

### C9.3

Development of a frailty score based on hospital discharge data linked to cohort data

Presented by: Bernard Burnard

### C9.4

Making the link: using long-term cancer survival measures linked with acute care data to plan health services

Presented by: Cameron Wright

### C9.5

Using Australia's National Data Linkage Demonstration Project (NDLDP) to improve cardiac care: towards a national, whole-of-population linked data resource for evidence-informed health policy

Presented by: Michael Falster

3:15PM TO 4:30PM	CONCURRENT SESSION
C10: APPLIED PROJECTS (3)	KINNEAR CENTRE 206

### C10.1

A large linked study to evaluate the future of the burden of cancer in Australia attributable to current modifiable behaviours

Presented by: Maarit Laaksonen

### C10.2

Ontario's stroke report cards: cross-continuum data linkage allows evaluation of stroke care system

Presented by: Ruth Hall

### C10.3

People with mild cognitive impairment are at increased risk of serious injury

Presented by: Lara Harvey

### C10.4

BC Data ScoutTM: a new tool to investigate datasets for health research

Presented by: Sarah Kesselring

### C10.5

Linking air pollution and administrative health databases to examine health effects of wildfire smoke exposure in Calgary, Canada in 2015

Presented by: MD Mahsin

### C10.6

Evaluating the impact of timing of initiation of community-based palliative care on use and cost of unplanned acute care services at the end of life: a study using linked hospital and community based provider service data

Presented by: Rachael Moorin

### WEDNESDAY, SEPTEMBER 12, 2018 (continued)

3:15PM TO 4:30PM C11: INTERNATIONAL COLLABORATIVE CONCURRENT SESSION C

**KINNEAR CENTRE 208** 

VVC

### What makes great data documentation?

Presented by: Mark Smith

3:15PM TO 4:30PM CONCURRENT SESSION C

C12: INTERNATIONAL COLLABORATIVE WORKSHOP (2)

C12

Secure data analysis environments: What are the models? What do we call them?

Presented by: Lousia R Jorm

THURSDAY, SEPTEMBER 13, 2018

Analysing complex linked administrative data in health services research: issues and solutions

Presented by: Rachael Moorin

D1.2

Privacy preserving record linkage meets record linkage using unencrypted data

Presented by: Hesam Izakian

D1.3

Inferring sensitivity and specificity of phenotyping algorithms using positive and negative predictive value in validation study

Presented by: Mingkai Peng

D1.4

Using linked data and advanced analytics to prioritize health concerns within regions

Presented by: Guido Antonio Powell

D1.5

In utero SSRI and SNRI Exposure and risk of long-term outcomes in children

Presented by: Deepa Singal

9:45am to 11:15am

**CONCURRENT SESSION D** 

**KINNEAR CENTRE 303** 

DATA

D2.1

Distributed NLP Framework to create new federated dataset

Presented by: Simon Ellwood-Thompson

D2.2

A big data analytics platform to support simulation modeling for osteoarthritis care pathways

Presented by: Shelly Vik

D2.3

Reducing bias in multivariate analyses due to the modifiable areal unit problem

Presented by: David Whyatt

D2.4

Identifying knowledge gaps with administrative health data: a cohort study of traumatic and non-traumatic spinal cord injury in Alberta

Presented by: Jack Man Shun Yeung

D2.5

International comparison of opiate prescribing among new users in primary care using electronic medical record data

Presented by: Robyn Tamblyn

Establishment of a National Homelessness Prevention Programme dataset to enable an anonymised longitudinal dynamic cohort-based study

Presented by: Sarah Lowe

### D3.2

Advancing cross-centre research networks: learning from experience, looking to the future

Presented by: Kerina Jones

#### D3.3

Deaths in young people after contact with the youth justice system: a retrospective data linkage study

Presented by: Stuart Kinner

### D3.4

Combining cross-sectoral, prospective data linkage with other data sources to examine health outcomes for socially excluded populations: a case study from Australia

Presented by: Stuart Kinner

#### D3.5

Integrating local government, non-profit and social service data to understand systems and outcomes in a Charlotte, North Carolina Presented by: Justin Lane

### D3.6

Morality among single fathers as compared with single mothers and partnered fathers: a population-based cohort study Presented by: Cindy Lau

9:45am to 11:15am	CONCURRENT SESSION D
D4: DATA AND LINKAGE QUALITY (1)	MAX BELL 252

### D4.1

Better than blocking: building and using multiple variable pattern indexes (MVPi) to screen data sources for possible matches and reduce linkage search space

Presented by: Sigurd Hermansen

### D4.2

Meeting the challenge of data linkage for special populations

Presented by: Brent Hills

### D4.3

Real world performance of privacy preserving record linkage

Presented by: James Boyd

### D4.4

High quality linked data for stroke obtained using non-government clinical registry and routinely collected hospital and death data Presented by: Monique Kilkenny

### D4.5

Study on construction of comprehensive community health databases through linkage between Community Health Survey data and other community contextual indicators in Korea

Presented by: Dong-Hyun Kim

### D4.6

Establishing an International Data Linkage Repository Workgroup: toward a benchmarking repository Presented by: Hye-Chung Kum

### THURSDAY, SEPTEMBER 13, 2018 (continued)

9:45am to 11:15am CONCURRENT SESSION D
D5: DATA AND LINKAGE QUALITY (2) MAX BELL 253

### Community business intelligence and ICES report launch

Presented by: Paul Kurdyak

### D5.2

A bayesian way to correct for measurement error in drug risk estimates from EHR data

Presented by: Maxime Lavigne

### D5.3

Ligo: an open source application for the management and execution of administrative data linkage Presented by: Greg Lawrance

### D5.4

Quality assessment of linked Canadian clinical administrative hospital and vital statistics death data

Presented by: Nancy Rodrigues

### D5.5

Use of linked data to assess the impact of out-of-hospital deaths on 30-day mortality indicators

Presented by: Mingyang (Xiaoqiang) Li

#### D5 6

Validating health conditions in a clinical registry using administrative data algorithms

Presented by: **Lisa Lix** 

9:45am to 11:15am CONCURRENT SESSION D
D6: APPLIED PROJECTS (1) KINNEAR CENTRE 305

### D6.1

Describing hospital utilisation and associated factors following stroke using linked clinical registry and hospital administrative data Presented by: Nadine Andrew

### D6.2

Health inequalities in British nurses using census derived databases linked to an adjusted UK Index of Multiple Deprivation Presented by: Will Ball

### D6.3

Linking surveillance and climate data to combat malaria

Presented by: Marcos Barreto

### D6.4

In sickness and in health: impact of health shocks on spouses' work and earnings

Presented by: Randy Fransoo

### D6.5

The Occupational Disease Surveillance System (ODSS) for Ontario: a linkage of administrative data

Presented by: Chloe Logar-Henderson

Multimorbidity and access to social care: exploiting emerging administrative data sources in Scotland

Presented by: David Henderson

### D7.2

Linking environment and health data to investigate the association between access to unhealthy food and child BMI Presented by: Amy Mizen

### D7.3

Are children who are treated for asthma and seasonal allergic rhinitis disadvantaged in their educational attainment when acutely exposed to air pollution and pollen?

Presented by: Amy Mizen

### D7.4

Disparities in adverse infant outcomes born to teenage vs older mothers in five countries Presented by: Katie Harron

### D7.5

Exploring outcomes for young people who have experienced out-of-home care

Presented by: Fernando Lima

### D7.6

Identifying vulnerable population groups: on-time infant vaccination coverage in Australia

Presented by: Hannah Moore

9:45am to 11:15am CONCURRENT SESSION D
D8: APPLIED PROJECTS (3) KINNEAR CENTRE 204

#### חא 1

Exploratory investigation and visualisation of the relationships between multi-morbidity, polypharmacy, frailty and health service utilisation in Wales, UK

Presented by: Ronan Lyons

### D8.2

BC Provincial Overdose Cohort Presented by: Laura MacDougall

### D8.3

Self-harm hospitalised morbidity risk in Australia using a matched population-based cohort

Presented by: Rebecca Mitchell

### D8.4

Linking surveillance and administrative data to better understand dementia's impact in Canada

Presented by: Tracy Johnson

### D8.5

Quantifying inequalities in mortality in Australia: the value of linked census-morality data

Presented by: Rosemary Korda

Using administrative health data to inform health service planning for specialist cancer care in Nova Scotia, Canada

Presented by: Robin Urquhart

### D9.2

Development of an automated system for clinical study recruitment

Presented by: Erik Youngson

### D9.3

Using routinely collected laboratory and health administrative data to assess influenza vaccine effectiveness: introducing the Flu and Other Respiratory Viruses Research (FOREVER) Cohort

Presented by: Hannah Chung

### D9.4

Developing and implementing linked electronic medical record and administrative data in primary care practice for diabetes in Alberta Presented by: Neil Drummond

### D9.5

Patient experiences with cardiac surgery in Alberta, Canada: results from a validated survey

Presented by: Kyle Kemp

### D9.6

Linking Calgary hospitals' 2011-2017 MRSA Surveillance Incidence Data to Discharge Abstract Database Presented by: Seungwon Lee

9:45am to 11:15am	CONCURRENT SESSION D
D10: INTERNATIONAL COLLABORATIVE	KINNEAR CENTRE 208
WORKSHOP (1)	

### D10

Using artificial intelligence technology for social determinants and risk factors surveillance

Presented by: Vineet Saini

9:45am to 11:15am	CONCURRENT SESSION D
D11: INTERNATIONAL COLLABORATIVE	KINNEAR CENTRE 210
WORKSHOP (2)	

### D11

Creating an IPDLN maternal child health interest working group

Presented by: Milton Kotelchuk

9:45am to 11:15am	CONCURRENT SESSION D
D12: Developing a Publicly Acceptable	KINNEAR CENTRE 308
Electronic Health Data Ecosystem – Panel	

### D12

Developing a publicly acceptable electronic health data ecosystem to support clinical care, health system improvement and research: the role of government, the private sector and public sector

Presented by: Kim McGrail, Greg Horne, Rosario Cartagena, Pamela Snively, Larry Svenson and Deborah Prowse

Effect of the look-back period for the estimation of the incidence rates using administrative data

Presented by: Mira Kim

### E1.2

Advanced analytics: computional and statistical approaches to deal with large scale, complex and messy data; data visualization Presented by: Aaron Lefebre

#### E1.3

Do family physicians' characteristics affect cervical cancer screening rates? A case study using Calgary data Presented by: Sayeeda Amber Sayed

### E1.4

Estimating the effect of referral for nephrology care on the survival of adults with advanced chronic kidney disease in a real-world clinical setting

Presented by: Ping Liu

### E1.5

Linkage of chronic disease data from provincial sources for strategic decision support and population health surveillance in British Columbia (BC)

Presented by: Drona Rasali

12:45pm to 2:15pm CONCURRENT SESSION E
E2: SOCIAL DETERMINANTS OF HEALTH AND KINNEAR CENTRE 301
CROSS- SECTORAL DATA LINKAGE

### E2.1

Linking household level GIS-generated environmental exposure scores with anonymous health data Presented by: Amy Mizen

### E2.2

Using planning data to monitor the health of communities - the healthy development: monitoring and mapping project Presented by: Maria Mukhtar, David Guillette

### E2.3

Full day kindergarten and education outcomes among First Nations children Presented by: Nathan Nickel

### E2.4

Is uptake of disability-related social security benefits modified by demographic, social and area-level factors? Presented by: Dermot O'Reilly

### E2.5

Collaborative public health surveillance strategies to address local health needs Presented by: Norma Padron

### E2.6

Advancing the measurement of health inequalities in Canada with linked health and social data Presented by: Geoff Hynes

### THURSDAY, SEPTEMBER 13, 2018 (continued)

12:45pm to 2:15pm CONCURRENT SESSION E
E3: DATA AND LINKAGE QUALITY (1) MAX BELL 252

E3.1

Improving name comparison similarity scores to reduce number of records for clerical review

Presented by: Miro Palfy

E3.2

Proof of concept for a privacy preserving national mortality register

Presented by: Rainer Schnell

E3.3

Data linkage and data quality assessment for congenital anomalies

Presented by: Qun(Grace) Miao

E3.4

Quality of linked data: linking the National Hospital Care Survey data to the National Death Index

Presented by: Lisa Mirel

E3.5

ICD coding training worldwide Presented by: Lucia Otero Varela

E3.6

Northern Ireland Cerebral Palsy Register linked to seconday care data: case identification

Presented by: Bethan Carter

12:45pm to 2:15pm CONCURRENT SESSION E
E4: DATA AND LINKAGE QUALITY (2) MAX BELL 253

E4.1

Development and validation of data quality rules in inpatient administrative health data using association rule mining

Presented by: Mingkai Peng

E4.2

Concordance of EDI-based prevalence rates of health disorders with administrative data in two Canadian provinces Presented by: Caroline Reid-Westoby

E4.3

Impact of linkage quality on inferences drawn from analyses using imperfectly matched data with high rates of linkage errors

Presented by: Christopher Rentsch

E4.4

Reconciling parent-child relationships across US administrative datasets

Presented by: Amy O'Hara

E4.5

Automatic coding of nearly 2 million hospitalisation events to ICD-10 in the China Kadoorie Biobank

Presented by: Sam Sansome

E4.6

How good are electronic health records and death certificates for identifying Alzheimer's disease and related dementia?

Presented by: Karen Schliep

### THURSDAY, SEPTEMBER 13, 2018 (continued)

12:45pm to 2:15pm

**CONCURRENT SESSION E** 

E5: APPLIED PROJECTS (1)

KINNEAR CENTRE 30

Duration of maternal mental health-related outcomes after an infant's death: a retrospective matched-cohort study using linkable administrative data

Presented by: Elizabeth Wall-Wieler

### E5.2

Maternal vulnerability and birth interval in England: a birth cohort using Hospital Episode Statistics data from 2006 to 2016 Presented by: Linda Wijlaars

### E5.3

A comparison of child mortality from potentially preventable causes in England and Sweden using birth cohorts from linked administrative datasets

Presented by: Ania Zylbersztejn

### E5.4

Using administrative data to examine mental health service use among post-secondary students in Alberta, Canada Presented by: Navjot Lamba

### E5.5

Using administrative data to examine government service transitions of children, youth and young adults Presented by: Navjot Lamba

### E5.6

Harnessing the power of administrative data to create a provincial-level child health profile and population-based birth cohort in New Brunswick and Prince Edward Island

Presented by: Carole Tranchant

12:45pm to 2:15pm	CONCURRENT SESSION E
E6: APPLIED PROJECTS (2)	KINNEAR CENTRE 204

### E6.1

Varenicline is more effective than nicotine replacement therapy during pregnancy: findings from the smoking MUMS (Maternal Use of Medications and Safety) study

Presented by: Stephanie KY Choi

### E6.2

Comparison of health behaviour mortality hazards in Canada and the United States

Presented by: Stacey Fisher

### E6.3

Factors associated with the breast cancer diagnostic interval across five Canadian provinces: a CanIMPACT study Presented by: Mary McBride

### E6.4

Factors associated with screen-detected breast cancer across five Canadian provinces: a CanIMPACT study Presented by: Mary McBride

### E6.5

Prenatal exposure to the 2009 pandemic H1N1 influenza vaccine on health outcomes in children Presented by: Jessy Donelle

### E6.6

10-year diabetes-related survival and active living environments: a Canadian linked data study Presented by: Sarah Mah

### THURSDAY, SEPTEMBER 13, 2018 (continued)

12:45pm to 2:15pm CONCURRENT SESSION E
E7: APPLIED PROJECTS (3) KINNEAR CENTRE 201

Adherence to follow-up care guidelines for breast cancer survivors in four Canadian provinces: a CanIMPACT study

Presented by: Mary McBride

E7.2

Factors predicting out-of-school suspensions for young children

Presented by: Megan Bell

E7.3

Association between blue and green space availability with mental health and wellbeing

Presented by: Jiao Song

E7.4

In-utero SSRI and SNRI exposure and the risk of neurodevelopmental disorders in children

Presented by: Deepa Singal

E7.5

Extracting family connections from administrative data

Presented by: Stacy Ann Vasquez

12:45pm to 2:15pm E8: APPLIED PROJECTS (4) **CONCURRENT SESSION E** 

KINNEAR CENTRE 305

E8.1

Population analysis of the settlement movement in Western Canada

Presented by: Luiza Antonie

E8.2

Determining potentially avoidable Emergency Medical Services (EMS) transports: a population level study using linked administrative data in Alberta Health Services

Presented by: Pin Cai

E8.3

Linking big data for cardiovascular health surveillance – opportunities and challenges using the CANHEART cohort

Presented by: Anna Chu

E8.4

Researching the use of administrative data in the Canadian Census

Presented by: Sylvain Cloutier

E8.5

UK and Canadian Gulf War veteran mortality: using a fellow military cohort as a comparison population

Presented by: Elizabeth Rolland-Harris

### THURSDAY, SEPTEMBER 13, 2018 (continued)

12:45pm to 2:15pm

CONCURRENT SESSION E KINNEAR CENTRE 206

E9: APPLIED PROJECTS (5)

E9.1

Internal and external data linkage of complex relational database: results from CorHealth Ontario

Presented by: Jiming Fang

### E9.2

The use of long-acting injectable antipsychotic therapy for schizophrenia

Presented by: Jason Jiang

### E9.3

Access to palliative care in Canada

Presented by: Tracy Johnson

### E9.4

Extracting primary care records for prostate cancer patients in the CHHiP RCT: a linkage study

Presented by: Agnieszka Lemanska

### E9.5

Data services for cohort studies: increasing the impact of existing research studies and epidemiological readiness Presented by: Laura North

12:45pm to 2:15pm CONCURRENT SESSION E
E10: INTERNATIONAL COLLABORATIVE KINNEAR CENTRE 208

E10

Using linked health data in international comparisons of infectious disease burden

Presented by: Rachel Reeves

12:45pm to 2:15pm CONCURRENT SESSION E
E11: INTERNATIONAL COLLABORATIVE KINNEAR CENTRE 210
WORKSHOP (2)

### E11

Canadian approaches to optimizing quality of administrative data for health system use, research, and linkage Presented by: Catherine Eastwood

12:45pm to 2:15pm	CONCURRENT SESSION E
E12: INTERNATIONAL COLLABORATIVE	KINNEAR CENTRE 308
WORKSHOP (3)	

### E12

Linked data and inclusion health: harmonised international data linkage to identify determinants of health inequalities Presented by: June Atkinson

### FRIDAY, SEPTEMBER 14, 2018

10:00AM TO 12:00PM CONCURRENT SESSION F
F1: ADVANCED ANALYTICS MAX BELL 251

### F1.1

Presented by: Kyle Kemp

#### F1.2

How integration of the federal Indian Register has enhanced First Nations-specific analysis of ICES data

Presented by: Sue Schultz

### F1.3

Developing trauma mortality prediction models to measure injury severity

Presented by: Angharad Walters

#### F1.4

Identify patients with congestive heart failure through analyzing Free-Text clinical notes

Presented by: Margot Yann

### F1.5

Regular general practitioner contact - methods for measurement using administrative data

Presented by: David Youens

### F1.6

A Bayesian network model of the relationships between chronic disease indicators

Presented by: Mengru Yuan

10:00AM TO 12:00PM CONCURRENT SESSION F
F2: SOCIAL DETERMINANTS OF HEALTH AND KINNEAR CENTRE 301
CROSS-SECTORAL DATA LINKAGE (1)

### F2.1

School readiness of maltreated children: timing, type, and chronicity of maltreatment

Presented by: Megan Bell

### F2.2

Linking First Nations data to administrative health data in Manitoba

Presented by: Venkata Shravan Ramayanam

### F2.3

Social and economic profile of individuals experiencing opioid-related hospitalizations

Presented by: Gisèle Carrière

### F2.4

Mortality of mothers with opioid-use during pregnancy: an international comparison using linked mother-baby records for England and Ontario

Presented by: Astrid Guttmann

### F2.5

Canadian trends in the social determinants of health inequalities, a census-mortality linkage approach

Presented by: Claudia Sanmartin

### F2.6

Creating the framework for cross-sector health analysis for local communities

Presented by: Heather Richards

### FRIDAY, SEPTEMBER 14, 2018 (continued)

10:00AM TO 12:00PM F3: SOCIAL DETERMINANTS OF HEALTH AND CROSS-SECTORAL DATA LINKAGE (2) CONCURRENT SESSION F

**KINNEAR CENTRE 303** 

Avoidable mortality among parents whose children were placed in care in Sweden: a retrospective matched cohort study

Presented by: Elizabeth Wall-Wieler

### F3.2

The cycle of child protection services involvement: a cohort study of adolescent mothers

Presented by: Elizabeth Wall-Wieler

### F3.3

Changes in development among kindergarten children in Ontario 2010-2015: linking developmental, sociodemographic, and policy implementation data

Presented by: Simon Webb

### F3.4

The shape of the socioeconomic gradient: testing the functional form of the relationship between socioeconomic status and early child development

Presented by: Simon Webb

### F3.5

Maternal assault admissions are associated with increased risk of child protection involvement

Presented by: Carol Orr

### F3.6

Linking pan-Canadian administrative and clinical registry data to gain insights across the continuum of care

Presented by: Juliana Wu

10:00AM TO 12:00PM	CONCURRENT SESSION F
F4: DATA AND LINKAGE QUALITY (1)	MAX BELL 252

### F4.1

Data quality automation: a generic approach for large linked research datasets

Presented by: Daniel Thayer

### F4.2

Code list library: a solution to improve research repeatability, transparency, and efficiency by curating lists of clinical codes Presented by: Daniel Thayer

### F4.3

What is a spell? A standardised approach to aggregating inpatient data from multiple jurisdictions

Presented by: Daniel Thayer

### F4.4

Challenges and facilitators in accessing administrative data for research: insights from the Child Health Profile and Trajectory Initiative in NB and PEI

Presented by: Sarah Sparks

### FRIDAY, SEPTEMBER 14, 2018 (continued)

10:00AM TO 12:00PM CONCURRENT SESSION F F5: DATA AND LINKAGE QUALITY (2) MAX BELL 253 Presented by: Matthias Schneider

F5.2

A longitudinal, historical model of households using linked Welsh administrative data

Presented by: Karen Tingay

F5.3

Synthetic data generator for testing record linkage routines in Brazil

Presented by: Vitor Trentin

F5.4

Data linkage methods in Manitoba

Presented by: Ken Turner

F5.5

A comparison of record linkage software and algorithms using real-world data

Presented by: Alan Karr

10:00AM TO 12:00PM

CONCURRENT SESSION F
KINNEAR CENTRERE 204

F6.1

The Narcotics Monitoring System Database: contributions of prescribed and non-prescribed opioids to opioid overdoses in Ontario, Canada

Presented by: Diana Martins

F6.2

Dementias Platform UK (DPUK) Data Portal - world leading infrastructure facilitating innovative multi-modal research

Presented by: Christopher Orton

F6.3

From online banking to biobanking: designing and implementing a data delivery platform for researchers of the China Kadoorie Biobank

Presented by: Sam Sansome

F6.4

Patient-reported outcomes improves prediction of in-patient and emergency department readmission risks in coronary artery disease

Presented by: Danielle Southern

F6.5

A population-based examination of benzodiazepine receptor agonist and Z-drug dispensations Alberta

Presented by: Daniala Weir

F6.6

Record linkage of pharmacovigilance and registration databases: a study of biological medicines in Brazil

Presented by: Monica Soares

### FRIDAY, SEPTEMBER 14, 2018

10:00AM TO 12:00PM

CONCURRENT SESSION F KINNEAR CENTRE 206

F7.1

Patterns of opioid utilization and the risk of hospital re-admissions and emergency department visits in the 90-days post-discharge Presented by: Siyana Kurteva

### F7.2

International comparison in walkable environments and hospital burden in type 2 diabetes patients

Presented by: Sarah Mah

### F7.3

The effect of medication adherence on the disease course in pregnant women with inflammatory bowel disease Presented by: Sangmin (Sarah) Lee

#### F7.4

Premature mortality among people with severe mental illness – new evidence from linked primary care data Presented by: Sze Chim Lee

### F7.5

Utilizing population-based clinical and administrative data to estimate the incremental healthcare costs of dementia and frailty among community-residing care recipients

Presented by: Luke Mondor

### F7.6

Facilitating patient recruitment process for research

Presented by: Bing Li

10:00AM TO 12:00PM CONCURRENT SESSION F
F8: APPLIED PROJECTS (3) KINNEAR CENTRE 208

### F8.1

Diagnosis incidence of autism spectrum disorders is underestimated in Australian children, and there are inequalities in access to diagnosis and treatment services: a data linkage study of health service usage

Presented by: Kylie-Ann Mallitt

### F8.2

Diabetic ketoacidosis (DKA) at diabetes diagnosis in children (0-18 years) in Ontario, Canada: a population-based retrospective cohort study of health administrative data

Presented by: Oxana Mian

### F8.3

Intellectual disability in children with congenital heart defects in Western Australia

Presented by: Wendy Nembhard

### F8.4

Vitamin D and health service utilization for asthma in young children

Presented by: Jessica Omand

### F8.5

The impact of linked administrative data on community development of integrated mental health hubs: a case study Presented by: Naomi Parker

### FRIDAY, SEPTEMBER 14, 2018 (continued)

10:00AM TO 12:00PM CONCURRENT SESSION F
F9: APPLIED PROJECTS (4) KINNEAR CENTRE 210

### F9.1

From the back room to the front room: combining clinical and financial information to support evidence-based decision making Presented by: Nathalie Robertson

### F9.2

Effectiveness of automatic referral on completion rates of cardiac rehabilitation and survival benefits in patients undergoing coronary artery bypass grafting surgery: a large cohort study

Presented by: Hongwei Liu

### F9.3

Characteristics of opioid-related deaths in Ontario, Canada: leveraging the Drug and Drug/Alcohol Related Death (DDARD) database Presented by: Samantha Singh

#### F9.4

Utilizing population-based clinical and administrative data to explore the relevance of frailty to cholinesterase inhibitor use and discontinuation at nursing home transition

Presented by: Laura Maclagan

10:00AM TO 12:00PM CONCURRENT SESSION F
F10: INTERNATIONAL COLLABORATIVE KINNEAR CENTRE 308
WORKSHOP (1)

F10

Perspectives on linkage involving Indigenous data (video)

Presented by: Jennifer Walker

F10

The Process and Development of Indigenous Data Sovereignty Principles

Presented by: Andrew Martinez

F10

Working together: developing a First Nations public health surveillance framework through partnerships

Presented by: Bonnie Healy

F10

FNHA data governance

Presented by: Laurel Lemchuk-Favel

10:00AM TO 12:00PM	CONCURRENT SESSION F
F11: INTERNATIONAL COLLABORATIVE	KINNEAR CENTRE 201
WORKSHOP (2)	

### F11

ADX- Aggregate Data Exchange: introducing a standards-based grammar for describing an aggregate data exchange schema Presented by: Derek Ritz

10:00AM TO 12:00PM	CONCURRENT SESSION F
F12: INTERNATIONAL COLLABORATIVE WORKSHOP (3)	KINNEAR CENTRE 310

### F12

A national concept dictionary Presented by: Mahmoud Azimaee

1:00PM TO 2:30PM	CONCURRENT SESSION F
F13: PANEL DISCUSSION	KINNEAR CENTRE 101

### F13

Health policy in the age of algorithms

Presented by: PG Forest