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

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

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

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
**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

**A3.4**

*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

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**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
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

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
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

A8.1  Data linkage to investigate exposure to environmental hazards: the example of residential asbestos
Presented by: Phil Anderson

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 252

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 survey 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
Presented 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

WEDNESDAY, SEPTEMBER 12, 2018 (continued)
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  CONCURRENT SESSION B
B3: PUBLIC ENGAGEMENT  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

WEDNESDAY, SEPTEMBER 12, 2018 (continued)
1:15PM TO 2:45PM  
CONCURRENT SESSION B

B4: DELIVERING AND MEASURING IMPACT  
KINNEAR CENTRE 206

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

B5: CAPACITY BUILDING  
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

WEDNESDAY, SEPTEMBER 12, 2018 (continued)
### Session B: Linking to Emerging Data Types

#### B6.1
**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

### Session B: Privacy, Regulation and Governance

#### 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

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**Wednesday, September 12, 2018 (continued)**
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

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 health 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

WEDNESDAY, SEPTEMBER 12, 2018 (continued)
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

B10.4
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

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

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 Urquhart

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

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)
C5.1 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

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

C7.1
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)
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 C
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)
What makes great data documentation?
Presented by: Mark Smith

3:15PM TO 4:30PM
CONCURRENT SESSION C
C12: INTERNATIONAL COLLABORATIVE WORKSHOP (2)
KINNEAR CENTRE 210

C12
Secure data analysis environments: What are the models? What do we call them?
Presented by: Lousia R Jorm

THURSDAY, SEPTEMBER 13, 2018

9:45am to 11:15am
CONCURRENT SESSION D
D1: ADVANCED ANALYTICS
MAX BELL 251
D1.1
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

D2: ANALYTICAL APPROACHES TO DISTRIBUTED DATA  KINNEAR CENTRE 303

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

THURSDAY, SEPTEMBER 13, 2018 (continued)

9:45am to 11:15am  CONCURRENT SESSION D

D3: SOCIAL DETERMINANT OF HEALTH AND CROSS-SECTORAL DATA LINKAGE  KINNEAR CENTRE 301

D3.1
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

THURSDAY, SEPTEMBER 13, 2018 (continued)

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
**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

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

**9:45am to 11:15am**  
CONCURRENT SESSION D

**D7: APPLIED PROJECTS (2)**  
KINNEAR CENTRE 201

**D7.1**
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

D8.1
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-mortality data
Presented by: Rosemary Korda

THURSDAY, SEPTEMBER 13, 2018 (continued)
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 WORKSHOP (1)
KINNEAR CENTRE 208
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 WORKSHOP (2)
KINNEAR CENTRE 210
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 Electronic Health Data Ecosystem – Panel
KINNEAR CENTRE 308
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

THURSDAY, SEPTEMBER 13, 2018 (continued)

12:45pm to 2:15pm
CONCURRENT SESSION E
E1: ADVANCED ANALYTICS
MAX BELL 251
E1.1
Effect of the look-back period for the estimation of the incidence rates using administrative data
Presented by: Mira Kim

E1.2
Advanced analytics: computational 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 CROSS-SECTORAL DATA LINKAGE KINNEAR CENTRE 301

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
E3.2
Proof of concept for a privacy preserving national mortality register
Presented by: Miro Palfy

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 secondary care data: case identification
Presented by: Bethan Carter

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)
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
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
E6.1
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)
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 CONCURRENT SESSION E
E8: APPLIED PROJECTS (4) 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
E9: APPLIED PROJECTS (5) KINNEAR CENTRE 206

E9.1
Internal and external data linkage of complex relational database: results from CorHealth Ontario
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 CHPiP 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 WORKSHOP (1)
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 WORKSHOP (2)
KINNEAR CENTRE 210

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 WORKSHOP (3)
KINNEAR CENTRE 308

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
Interactive data visualization of patient experience and inpatient datasets using Tableau desktop
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
KINNEAR CENTRE 301

F2: SOCIAL DETERMINANTS OF HEALTH AND 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)
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
F4.1 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
F5.1 Custodian-Controlled Data Repository (CCDR): Supporting the timely, easy and resource-efficient access to high-quality linked data
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

F6: APPLIED PROJECTS (1)
KINNEAR CENTRE 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

F7: APPLIED PROJECTS (2)
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

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)

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 WORKSHOP (1)
KINNEAR CENTRE 308

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 WORKSHOP (2)
KINNEAR CENTRE 201

F11
ADX- Aggregate Data Exchange: introducing a standards-based grammar for describing an aggregate data exchange schema
Presented by: Derek Ritz

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