



# 2017 CONFERENCE

## EPIDEMIOLOGY AND BIOSTATISTICS: FROM MOLECULES TO POPULATION

### PRELIMINARY PROGRAM

MAY 30<sup>TH</sup> TO JUNE 2<sup>ND</sup>  
THE BANFF CENTRE • BANFF, ALBERTA

## TUESDAY, MAY 30, 2017 (PRE-CONFERENCE DAY)

8:30AM TO 9:00AM	BREAKFAST
9:00am to 12:00pm	<p><b>MORNING WORKSHOP SERIES</b></p> <ol style="list-style-type: none"> <li>1. STATISTICAL ANALYSIS USING SAS (Workshop 1) <i>Presenter(s) and details to be confirmed shortly</i></li> <li>2. NOVEL METHODS IN GENETIC EPIDEMIOLOGY <i>Presented by <a href="#">DR. DAVID MEYRE</a>, McMaster University</i></li> <li>3. Understanding the Role and Value of Qualitative Research: An Introduction to an Alternate Paradigm <i>Presented by <a href="#">DR. KATRINA MILANEY</a>, Community Health Sciences, Cumming School of Medicine, University of Calgary and <a href="#">DR. REBECCA HAINES SAAH</a>, Community Health Sciences, Cumming School of Medicine, University of Calgary</i></li> </ol> <p><i>This three hour workshop will blend information sharing and interactive learning to introduce the key concepts, approaches and theories underlying qualitative research. Participants will learn about different types of qualitative research, appropriate research questions for this approach, the value add of qualitative research and the role this approach can play in the advancement of scholarly discourse and knowledge creation in health and social sciences.</i></p> <p><i>Following the workshop participants will have a clear understanding of the distinctions between quantitative and qualitative research methods, rigor, analysis techniques, and ethical considerations. Examples will be provided throughout.</i></p>
12:30PM TO 1:00PM	LUNCH
1:00pm to 4:00pm	<p><b>AFTERNOON WORKSHOP SERIES</b></p> <ol style="list-style-type: none"> <li>1. SAS Integration with Open Source Statistical Software (Workshop 2) <i>Presenter(s) and details to be confirmed shortly</i></li> <li>2. EVIDENCE-BASED MEDICINE IN 2017 - IS IT MAKING THE GRADE? <i>Presented by <a href="#">DR. EDDY LANG</a>, University of Calgary</i></li> </ol>
5:30pm to 7:00pm	WELCOME RECEPTION & PRE-REGISTRATION

## WEDNESDAY, MAY 31, 2017 (CONFERENCE DAY 1)

7:30AM TO 8:30AM	BREAKFAST
8:30am to 10:30am	<b>EPIGENETICS KEYNOTE PRESENTATION</b> <i>Presented by DR. DAVID MEYRE, McMaster University</i> <b>SOCIAL EPIDEMIOLOGY PRESENTATION</b> <i>Presented by DR. ANA DIEZ ROUX, Drexel University</i>
10:30AM TO 11:00AM	COFFEE BREAK
11:00am to 12:30pm	CONCURRENT SESSIONS A
12:30PM TO 1:45PM	LUNCH
1:45pm to 3:15pm	CONCURRENT SESSIONS B
3:15pm to 4:30pm	<b>POSTER VIEWING</b> <i>Coffee and tea and light snacks available</i>
6:30pm to 9:00pm	<b>SOCIAL EVENT: BREWSTERS MOUNTAIN BBQ</b> <a href="http://www.mountviewbbq.com/">http://www.mountviewbbq.com/</a>

## THURSDAY, JUNE 1, 2017 (CONFERENCE DAY 2)

7:30AM TO 8:30AM	BREAKFAST
8:30am to 10:00am	CONCURRENT SESSIONS C
10:00AM TO 10:30AM	COFFEE BREAK
10:30am to 12:00pm	CONCURRENT SESSIONS D
12:00PM TO 1:15PM	LUNCH
1:15pm to 2:45pm	CONCURRENT SESSIONS E
2:45pm to 4:00pm	<b>POSTER VIEWING</b> <i>Coffee and tea and light snacks available</i>
4:00pm to 5:30pm	CONCURRENT SESSIONS F
5:45pm to 6:45pm	<b>SOCIAL EVENT: STUDENT SPEED NETWORKING EVENT</b>
7:00pm to 10:00pm	<b>SOCIAL EVENT: STUDENT &amp; MENTOR PUB NIGHT</b>

# FRIDAY, JUNE 2, 2017 (CONFERENCE DAY 3)

7:30AM TO 8:30AM	<b>BREAKFAST</b>
8:30am to 9:45am	<p><b>WORKSHOP SERIES</b></p> <ol style="list-style-type: none"> <li>1. INTERNATIONAL JOINT POLICY COMMITTEE – SOCIETIES OF EPIDEMIOLOGY WORKSHOP <i>Presented by <a href="#">DR. MARK OREMUS</a>, University of Waterloo, President, Canadian Society of Epidemiology and Biostatistics (CSEB)</i></li> <li>2. INSIGHTS FROM BIG DATA: CREATING THE EVIDENCE BASE FOR HEALTH POLICY DEVELOPMENT <i>Presented by <a href="#">DR. LARRY SVENSON</a>, University of Alberta</i></li> <li>3. STATISTICAL CHALLENGES IN DISEASE RISK PREDICTION <i>Presented by <a href="#">DR. LISA LIX</a>, PhD P.Stat., Professor, Department of Community Health Sciences &amp; George and Fay Yee Centre for Healthcare Innovation, University of Manitoba</i></li> </ol> <p><i>Predicting risk of a health outcome, such as the onset of a chronic disease or a critical health event has received considerable attention in both the clinical and statistical literature in recent years. This workshop will examine challenges faced when developing, assessing, and validating risk prediction models. Examples will be drawn from the use of these models in musculoskeletal research. Key considerations in risk prediction modeling will be discussed, including the rationale for selection of a statistical or machine-learning model, selection of predictor variables and variable reduction techniques to develop a parsimonious model, evaluation of predictive performance, and validation.</i></p>
9:45AM TO 10:15AM	<b>COFFEE BREAK</b>
10:15am to 11:45pm	<p><b>WORKSHOP SERIES</b></p> <ol style="list-style-type: none"> <li>1. STUDENT CAREER WORKSHOP <i>Presenter(s) and details to be confirmed shortly</i></li> <li>2. PROFESSIONAL COMPETENCIES AND EPIDEMIOLOGY WORKSHOP <i>Presented by <a href="#">DR. SUSAN BONDY</a>, University of Toronto</i></li> <li>3. SCIENCE COMMUNICATION WORKSHOP <i>Presented by <a href="#">MS. KAYLEE BYERS</a>, University of British Columbia and <a href="#">MR. MICHAEL UNGER</a>, H.R. MacMillan Space Centre</i></li> </ol>
11:45am to 12:15pm	<b>CSEB AWARDS PRESENTATIONS</b>
12:15pm to 12:30pm	<p><b>CLOSING REMARKS</b></p> <p><i>Presented by <a href="#">DR. MARK OREMUS</a>, University of Waterloo, President, Canadian Society of Epidemiology and Biostatistics (CSEB)</i></p>

## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

11:00AM TO 12:30PM CONCURRENT SESSION A

### A1: ENVIRONMENTAL & OCCUPATIONAL

A1.1 LAND USE REGRESSION MODEL OF ULTRAFINE PARTICLES IN THE GREATER MONTREAL AREA

Presented by:

- Shilpa LN Karumanchi, Student, University of Montreal

A1.2 A COMMUNITY-BASED PILOT STUDY ASSESSING THE WORK-RELATED MUSCULOSKELETAL RISK PERCEPTION AMONG GOVERNMENT- AND PRIVATE-SPONSORED SYRIAN REFUGEES IN CANADA

Presented by:

- Sonja Senthana, PhD Candidate, University of Waterloo

A1.3 POPULATION ATTRIBUTABLE RISK AND IMPACT FRACTIONS FOR LUNG CANCER AND RESIDENTIAL RADON – A CANADIAN PERSPECTIVE

Presented by:

- Tasha Narain, Research Associate, Queen's University

A1.4 AN INVESTIGATION OF OCCUPATIONAL EXPOSURE TO MONOCYCLIC AROMATIC HYDROCARBONS AND LUNG CANCER RISK IN THE METROPOLITAN MONTRÉAL AREA

Presented by:

- Hunter Warden, Graduate Student, Queen's University

A1.5 PERCEIVED NEIGHBOURHOOD SAFETY AND SYSTOLIC BLOOD PRESSURE IN CHILDREN: FINDINGS FROM THE QUALITY COHORT

Presented by:

- Tracie Barnett, Professor, INRS Institut Armand Frappier

## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

11:00AM TO 12:30PM CONCURRENT SESSION A

### A2: PUBLIC HEALTH / POPULATION HEALTH

- |      |                                                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A2.1 | AREA-LEVEL DEPRIVATION AND EMERGENCY DEPARTMENT USE IN EDMONTON AND CALGARY, AB: AN ANALYSIS OF RATES AND TRENDS FROM 2010 TO 2016<br><br><b>Presented by:</b><br>- Jordan Ross, Analyst, Alberta Health Services                                                                         |
| A2.2 | TITLE: FEBRILE SEIZURE RISK FOLLOWING CHILDHOOD VACCINATION IN ALBERTA; A STUDY AIMED AT IMMUNIZATION QUALITY IMPROVEMENT IN CHILDREN 6 TO 23 MONTHS<br><br><b>Presented by:</b><br>- Li Huang, Manager, Alberta Health Services                                                          |
| A2.3 | ALCOHOL CONSUMPTION PREVALENCE AND ADHERENCE TO CANCER PREVENTION RECOMMENDATIONS FOR ALCOHOL CONSUMPTION AMONG ADULTS: CROSS-SECTIONAL RESULTS FROM ALBERTA'S TOMORROW PROJECT<br><br><b>Presented by:</b><br>- Tiffany Haig, MSc Candidate, Alberta Health Services                     |
| A2.4 | ASSOCIATIONS BETWEEN CANCER PREVENTION KNOWLEDGE, ATTITUDES AND BEHAVIOURS IN THE ALBERTA PREVENTS SURVEY<br><br><b>Presented by:</b><br>- Anne Grundy, Research Associate, Department of Social and Preventive Medicine, Université de Montréal and Centre de recherche du CHUM (CRCHUM) |
| A2.5 | ESTIMATED REDUCTIONS IN PROVIDER-INITIATED PRETERM BIRTHS AND CORRESPONDING MATERNAL AND NEWBORN HOSPITAL LENGTH OF STAY UNDER A UNIVERSAL ASPIRIN PROPHYLAXIS STRATEGY IN CANADA<br><br><b>Presented by:</b><br>- Susie Dzakpasu, Epidemiologist, Public Health Agency of Canada         |

## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

11:00AM TO 12:30PM CONCURRENT SESSION A

### A3: EPIDEMIOLOGIC METHODS

- |      |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A3.1 | A QUALITATIVE PILOT STUDY TO INFORM PARTICIPANT ENGAGEMENT STRATEGIES IN A LARGE PROSPECTIVE COHORT STUDY<br><br><b>Presented by:</b><br>- Jenna Gagne, Research Assistant, Alberta's Tomorrow Project, CancerControl Alberta, Alberta Health Services |
| A3.2 | MEASURING EQUITY IN HEALTH CARE THROUGH DATA LINKAGE<br><br><b>Presented by:</b><br>- Harshani Gangodawilage, Analyst, Canadian Institute for Health Information                                                                                       |
| A3.3 | CAN HEALTH ADMINISTRATIVE DATA BE USED TO ACCURATELY IDENTIFY CASES OF TRAVEL-RELATED DISEASE IN ONTARIO?<br><br><b>Presented by:</b><br>- Rachel Savage, PhD Student, University of Toronto                                                           |
| A3.4 | CANCER IN ONTARIO WORKERS FROM 1983-2016: RESULTS FROM THE OCCUPATIONAL DISEASE SURVEILLANCE SYSTEM (ODSS)<br><br><b>Presented by:</b><br>- Saul Feinstein, Research Associate, Cancer Care Ontario                                                    |
| A3.5 | ETHNIC VARIATION IN PREDIABETES INCIDENCE AMONG RECENT IMMIGRANTS AND LONG-TERM RESIDENTS TO CANADA: A COMPETING RISK ANALYSIS<br><br><b>Presented by:</b><br>- Ghazal Fazli, PhD Candidate, University of Toronto                                     |

## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

11:00AM TO 12:30PM CONCURRENT SESSION A

### A4: KNOWLEDGE TRANSFER / EXCHANGE

#### A4.1 PREDICTING IMPORTANT PATIENT DOMAINS FOR GLAUCOMA MANAGEMENT

Presented by:

- Lavanya Uruthiramoorthy, Graduate Student, Western University

#### A4.2 A SYSTEMATIC REVIEW OF THE ROLE OF COPING STRATEGIES IN THE ASSOCIATION BETWEEN CAREGIVING COMPLEXITY AND QUALITY OF LIFE AMONG PARENTS OF CHILDREN WITH CHRONIC ILLNESS OR DISABILITY

Presented by:

- Alana Fairfax, Master's student, University of Ottawa

#### A4.3 COMPARATIVE HUMAN EXPOSURE TO ANTIMICROBIAL RESISTANT ESCHERICHIA COLI FROM FOOD ANIMALS USING INTEGRATIVE ASSESSMENT MODELLING: A FARM TO FORK APPROACH

Presented by:

- Colleen Murphy, Veterinary Epidemiologist, NSERC Fellow placed at the Centre for Food-borne, Environmental and Zoonotic Infections

#### A4.4 A KNOWLEDGE TRANSLATION STRATEGY FOR THE CANADIAN POPULATION ATTRIBUTABLE RISK (COMPARE) PROJECT

Presented by:

- Leah Smith, Epidemiologist, Canadian Cancer Society

#### A4.5 CORNEAL BIOMECHANICAL PROPERTIES AFTER SMILE VERSUS FLEX, LASIK, LASEK, OR PRK: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presented by:

- Hui Guo, Graduate Student, Schulich School of Medicine and Dentistry, The University of Western Ontario, London, Canada



## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

12:30PM TO 1:45PM CONCURRENT SESSION B

### B1: CANADIAN PARTNERSHIP FOR TOMORROW PROJECT (CPTP)

### B2: DIABETES, CARDIOVASCULAR DISEASE & STROKE

B2.1 THE IMPACT OF SELF-EFFICACY ON HOSPITALIZATION RATES AND IN MANAGING CHRONIC DISEASE IN A CANADIAN TYPE-2 DIABETES COHORT

Presented by:

- Haoyu Zhao, Graduate student, School of Public Health, University of Alberta

B2.2 CHANGES IN BODY MASS INDEX AND INCIDENCE OF DIABETES: A LONGITUDINAL STUDY OF ALBERTA'S TOMORROW PROJECT COHORT

Presented by:

- Ming Ye, Postdoctoral Fellow, Alliance for Canadian Health Outcomes Research in Diabetes, University of Alberta

B2.3 COMORBID DEPRESSION AND ANXIETY SYMPTOMS AND THE RISK OF INCIDENT DIABETES: PROSPECTIVE RESULTS FROM THE LIFELINES COHORT STUDY

Presented by:

- Sonya Deschênes, Postdoctoral Fellow, McGill University

B2.4 ECONOMIC VULNERABILITY AND CHRONIC DISEASE RISK: A POPULATION-BASED STUDY INVESTIGATING THE ASSOCIATION BETWEEN FOOD INSECURITY AND INCIDENT TYPE 2 DIABETES IN CANADIAN ADULTS

Presented by:

- Christopher Tait, PhD Candidate, Dalla Lana School of Public Health, University of Toronto

B2.5 THE PROGRESSION FROM PREDIABETES TO TYPE 2 DIABETES AMONG RECENT IMMIGRANTS AND LONG-TERM RESIDENTS TO CANADA: A POPULATION-BASED COHORT STUDY

Presented by:

- Ghazal Fazli, PhD Candidate, University of Toronto

## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

12:30PM TO 1:45PM CONCURRENT SESSION B

### B3: HEALTH SERVICES RESEARCH & ECONOMICS

B3.1 REDUCING SCORING UNCERTAINTY IN THE EQ-5D HEALTH UTILITIES: A BAYESIAN APPROACH USING SPATIAL GAUSSIAN CORRELATION STRUCTURE

Presented by:

- Shahriar Shams, PhD Student, University of Toronto

B3.2 USING PRIMARY CARE ELECTRONIC MEDICAL RECORD DATA AND MACHINE LEARNING TO PREDICT ACUTE CARE USE

Presented by:

- Colin Weaver, Master's Student, University of Calgary

B3.3 HOMELESSNESS STATUS AND THE FREQUENCY OF ACCESSING PRIMARY CARE IN THE CONTEXT OF A LARGE CANADIAN CITY: A MODELING STUDY

Presented by:

- Laura Rivera, Research Associate, University of Calgary

B3.4 A POPULATION-BASED STUDY OF PATIENT AND SYSTEM FACTORS ASSOCIATED WITH ADVANCED CUTANEOUS MELANOMA IN ONTARIO

Presented by:

- Meaghan Mavor, Master's student, Queen's University

B3.5 USING MORTALITY RATE FORECASTING IN HEALTH ECONOMIC EVALUATION

Presented by:

- Mohammad Kaviul Khan, Clinical Research Project Coordinator, Child Health Evaluative Sciences, The Hospital for Sick Children

## WEDNESDAY, MAY 31, 2017 (CONCURRENT SESSIONS)

12:30PM TO 1:45PM CONCURRENT SESSION B

### B4: CANCER

B4.1 PREVENTING ALCOHOL-RELATED CANCER: WHAT IF EVERYONE DRANK WITHIN THE GUIDELINES?

Presented by:

- Elisa Candido, Acting Group Manager, Cancer Care Ontario

B4.2 EFFECTS OF SLEEP DURATION ON ALL CANCER INCIDENCE RATES IN THE ALBERTA TOMORROW PROJECT COHORT

Presented by:

- Jessica McNeil, Postdoctoral Fellow, Alberta Health Services

B4.3 THE LONG-TERM RISK OF CARDIOVASCULAR DISEASE INCIDENCE IN LYMPHOMA SURVIVORS: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presented by:

- Alexis Mickle, Graduate Student, Alberta Health Services

B4.4 THE LONG-TERM RISK OF CARDIOVASCULAR DISEASE MORTALITY IN LYMPHOMA SURVIVORS COMPARED TO THE GENERAL POPULATION: A SYSTEMATIC REVIEW AND META-ANALYSIS OF OBSERVATIONAL STUDIES

Presented by:

- Devon Boyne, PhD Student, Alberta Health Services

B4.5 BACILLUS CALMETTE-GUERIN (BCG) VACCINATION AND LYMPHOMA: PRELIMINARY RESULTS FROM A SYSTEMATIC REVIEW AND META-ANALYSIS

Presented by:

- Marie-Claude Rousseau, Full Professor, Institut National de la Recherche Scientifique

# THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

## 8:30AM TO 10:00AM CONCURRENT SESSION C

### C1: HEALTH SERVICES RESEARCH & ECONOMICS

#### C1.1 CHARACTERISTICS AND EARLY HEALTHCARE USE OF REFUGEES IN ONTARIO, CANADA

**Presented by:**

- Amanda Alberga, Epidemiologist, Institute for Clinical Evaluative Sciences (ICES)

#### C1.2 EFFECTS OF BEHAVIOURAL RISK FACTORS ON HIGH COST USERS OF HEALTHCARE: A POPULATION-BASED STUDY

**Presented by:**

- Amanda Alberga, Epidemiologist, Institute for Clinical Evaluative Sciences (ICES)

#### C1.3 LEVERAGING A PROVINCIAL NETWORK TO DESCRIBE POPULATION TRENDS IN PALLIATIVE CARE SERVICE USE IN ONTARIO

**Presented by:**

- Lauren Della Mora, Senior Analyst, Cancer Care Ontario

#### C1.4 HEALTH CARE SERVICE UTILIZATION AND UNMET HEALTH CARE NEEDS OF RURAL INDIGENOUS PEOPLES IN CANADA: A POPULATION-BASED STUDY

**Presented by:**

- Arlanna Pugh, Graduate Student, Queen's University

#### C1.5 COST-EFFECTIVENESS OF TREATING HEART FAILURE PATIENTS WITH 'ANGIOTENSIN NEPRILYSIN INHIBITORS' COMPARED WITH TREATMENT WITH 'ANGIOTENSIN CONVERTING ENZYME INHIBITORS' FROM AN ONTARIO SINGLE-PAYER HEALTHCARE PERSPECTIVE

**Presented by:**

- Mary Bamimore, Graduate Student, The University of Western Ontario

### C2: CANCER

#### C2.1 PROJECTION OF CANCER INCIDENCE IN ALBERTA'S TOMORROW PROJECT FROM 2017 TO 2036

**Presented by:**

- Jian-Yi Xu, Biostatistician, Alberta's Tomorrow Project, CancerControl Alberta, Alberta Health Services, Alberta

#### C2.2 LIFESTYLE AND CANCER PREVENTION IN CANADA: ESTIMATING THE CURRENT AND FUTURE AVOIDABLE CANCER BURDEN

**Presented by:**

- Darren Brenner, Research Scientist/Adj. Assistant Professor, University of Calgary

#### C2.3 SHIFT WORK PATTERNS, CHRONOTYPE AND OVARIAN CANCER RISK

**Presented by:**

- Lisa Leung, Student, Department of Public Health Sciences, Queen's University

#### C2.4 A CANCER PROFILE FOR FIRST NATIONS IN ONTARIO ACHIEVED THROUGH LINKED REGISTRY DATA AND PARTNERSHIPS

**Presented by:**

- Sehar Jamal, Research Associate, Cancer Care Ontario

#### C2.5 HISTORICAL AND FUTURE TRENDS IN KIDNEY CANCER INCIDENCE, MORTALITY, AND SURVIVAL IN ONTARIO

**Presented by:**

- Saber Fallahpour, Senior Research Associate, Cancer Care Ontario

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

8:30AM TO 10:00AM CONCURRENT SESSION C

### C3: ADDICTIONS & MENTAL HEALTH

C3.1 TRENDS IN STANDARDIZED MORTALITY AMONG INDIVIDUALS WITH SCHIZOPHRENIA FROM 1993 TO 2012: A POPULATION-BASED STUDY

Presented by:

- Evgenia (Jenny) Gatov, Epidemiologist, Institute for Clinical Evaluative Sciences (ICES)

C3.2 TEST-RETEST RELIABILITY OF CHILD AND ADOLESCENT PSYCHIATRIC DISORDER CLASSIFICATIONS ASSESSED USING STANDARDIZED DIAGNOSTIC INTERVIEWS: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presented by:

- Laura Duncan, Research Coordinator, Offord Centre for Child Studies, McMaster University

C3.3 ASSOCIATIONS BETWEEN PHYSICAL ILLNESS AND SUICIDAL BEHAVIOURS AMONG ADOLESCENTS AND YOUNG ADULTS

Presented by:

- Mark Ferro, Assistant Professor, University of Waterloo

C3.4 QUALITY OF LIFE IN PARENTS OF CHILDREN WITH EPILEPSY: 10 YEARS AFTER DIAGNOSIS

Presented by:

- Klajdi Puka, Graduate Student, Western University; Children's Health Research Institute; Lawson Health Research Institute

C3.5 A HEAVY BURDEN ON YOUNG MINDS: NOVEL INSIGHTS INTO THE GLOBAL BURDEN OF SUBSTANCE USE IN ADOLESCENTS FROM 73 LOW- AND MIDDLE-INCOME COUNTRIES (LMICS)

Presented by:

- Christopher, Tait, PhD Candidate, Dalla Lana School of Public Health, University of Toronto

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

8:30AM TO 10:00AM CONCURRENT SESSION C

### C4: CHRONIC DISEASE & INJURY

- |      |                                                                                                                                                                                                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C4.1 | EARLY MOBILIZATION FOLLOWING ARTHROSCOPIC ROTATOR CUFF REPAIR; A SINGLE-BLIND, RANDOMIZED CONTROL TRIAL<br><br><b>Presented by:</b><br>- Anelise Silveira, Research Associate, Alberta Health Services                                        |
| C4.2 | VALIDATION OF A KIDNEY FAILURE RISK EQUATION IN A POPULATION-BASED COHORT OF ALBERTA ADULTS WITH CHRONIC KIDNEY DISEASE<br><br><b>Presented by:</b><br>- Rob Weaver, Statistical Associate, Cumming School of Medicine, University of Calgary |
| C4.3 | DEPRESSIVE SYMPTOMS IN ADOLESCENTS AND YOUNG ADULTS WITH EPILEPSY 10 YEARS AFTER DIAGNOSIS: A TEST OF THE STRESS PROCESS<br><br><b>Presented by:</b><br>- Samanpreet Brar, Graduate Student, Western University                               |
| C4.4 | CHRONIC DISRUPTIVE PAIN IN EMERGING ADULTS WITH AND WITHOUT CHRONIC HEALTH CONDITIONS: THE MODERATING ROLE OF PSYCHIATRIC DISORDERS<br><br><b>Presented by:</b><br>- Rana Qadeer, Student, McMaster University                                |
| C4.5 | TIME TRENDS OF THE INCIDENCE, PREVALENCE, AND POST-DIAGNOSIS MORTALITY OF PARKINSONISM<br><br><b>Presented by:</b><br>- Jessica Wong, Master's student, Dalla Lana School of Public Health, University of Toronto                             |

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

10:30AM TO 12:00PM CONCURRENT SESSION D

### D1: PUBLIC HEALTH / POPULATION HEALTH

D1.1 KNOWLEDGE TRANSLATION AND DISSEMINATION OF NEW STATISTICS ON HPV-ASSOCIATED CANCERS IN CANADA

Presented by:

- Leah Smith, Epidemiologist, Canadian Cancer Society

D1.2 CANCER RISK FACTORS AND SCREENING AMONG INUIT IN ONTARIO AND OTHER REGIONS OF CANADA

Presented by:

- Maegan Prummel, Senior Research Associate, Cancer Care Ontario

D1.3 COLORECTAL CANCER RISK STRATIFICATION IDENTIFIES PATTERNS AND PREDICTORS OF ADHERENCE TO SCREENING RECOMMENDATIONS IN ALBERTA'S TOMORROW PROJECT PARTICIPANTS

Presented by:

- Ala Al Rajabi, Senior Research Associate, Alberta's Tomorrow Project, CancerControl Alberta, Alberta Health Services

D1.4 IMPACT OF THE 2008 ALBERTA TOBACCO REDUCTION ACT ON SECONDHAND SMOKE EXPOSURE: PRELIMINARY FINDINGS FROM A PROSPECTIVE COHORT STUDY

Presented by:

- Alianu Akawung, Biostatistician, Alberta Health Services

D1.5 INTENTIONAL TANNING AMONG CANADIAN ADOLESCENTS: CRAYS 2015

Presented by:

- Victoria Nadalin, Senior Research Associate, Cancer Care Ontario

# THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

## 10:30AM TO 12:00PM CONCURRENT SESSION D

### D2: BEHAVIORAL & SOCIAL EPIDEMIOLOGY

- D2.1 SOCIAL SUPPORT AVAILABILITY AND DEPRESSIVE SYMPTOMS AMONG MIDDLE- AND OLDER-AGED ADULTS: A PRELIMINARY ANALYSIS OF BASELINE DATA FROM THE CANADIAN LONGITUDINAL STUDY ON AGING

**Presented by:**

- Mark Oremus, Associate Professor, University of Waterloo

- D2.2 SOCIAL SUPPORT AVAILABILITY AND COGNITIVE FUNCTION AMONG MIDDLE- AND OLDER-AGED ADULTS: A CROSS-SECTIONAL ANALYSIS OF THE CANADIAN LONGITUDINAL STUDY ON AGING

**Presented by:**

- Mark Oremus, Associate Professor, University of Waterloo

- D2.3 BI-DIRECTIONAL ASSOCIATION BETWEEN PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOR DURING THE DAY AND NIGHTTIME SLEEP DURATION AMONG 10-13 YEAR OLDS

**Presented by:**

- Yingyi Lin, Graduate Research Assistant, Queen's University

- D2.4 THE INTERSECTIONAL DISCRIMINATION INDEX: VALIDITY AND RELIABILITY OF A NEW MEASURE FOR POPULATION HEALTH RESEARCH

**Presented by:**

- Ayden Scheim, PhD candidate, Epidemiology & Biostatistics, Western University

- D2.5 LINKING HOUSING AND SOURCES OF SOCIAL SUPPORT IN PSYCHIATRIC SURVIVORS

**Presented by:**

- Melody Lam, Student, Western University

### D3: CANCER

- D3.1 POPULATION ATTRIBUTABLE RISK AND IMPACT FRACTIONS FOR LUNG CANCER AND OUTDOOR AIR POLLUTION IN CANADA

**Presented by:**

- Will D. King, Associate Professor, Queen's University

- D3.2 INTERVENTION STRATEGIES TO IMPROVE COGNITIVE FUNCTIONING IN HEMATOLOGIC CANCER SURVIVORS AFTER HEMATOPOIETIC CELL TRANSPLANTATION

**Presented by:**

- Noha Sharafeldin, Postdoctoral Scholar, University of Alabama at Birmingham

- D3.3 CANCERS ATTRIBUTABLE TO INFECTIONS IN CANADA

**Presented by:**

- Karena Volesky, PhD Student, McGill University

- D3.4 LUNG CANCER RISK AT LOW RADON EXPOSURES IN THE CZECH, FRENCH AND CANADIAN URANIUM MINERS (1953–1999)

**Presented by:**

- Rachel Lane, Radiation and Health Sciences Specialist, Canadian Nuclear Safety Commission

- D3.5 OCCUPATIONAL EXPOSURE TO ASBESTOS AND THE RISK OF KIDNEY CANCER

**Presented by:**

- Cheryl Peters, Postdoctoral Fellow, Carleton University



## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

10:30AM TO 12:00PM CONCURRENT SESSION D

### D4: NUTRITION, PHYSICAL ACTIVITY & OBESITY

D4.1 PHYSICAL ACTIVITY, SEDENTARY TIME, SLEEP DURATION, AND SELF-RATED HEALTH IN OLDER ADULTS: A COMPOSITIONAL ANALYSIS

Presented by:

- Nicole Haywood, Graduate student, Queen's University

D4.2 EFFECTS OF PRESCRIBED AEROBIC EXERCISE VOLUME ON OBJECTIVELY-ASSESSED PHYSICAL ACTIVITY AND SEDENTARY TIME IN POSTMENOPAUSAL WOMEN: RESULTS FROM THE BREAST CANCER AND EXERCISE TRIAL IN ALBERTA (BETA)

Presented by:

- Jessica McNeil, Postdoctoral Fellow, Alberta Health Services

D4.3 DIET QUALITY AND MORTALITY RISK IN CANADA: A POPULATION-BASED STUDY USING LINKED SURVEY AND HEALTH ADMINISTRATIVE DATA

Presented by:

- Christopher Tait, PhD Candidate, Dalla Lana School of Public Health, University of Toronto

D4.4 EFFECTS OF TOTAL AND RECREATIONAL PHYSICAL ACTIVITY ON CANCER INCIDENCE IN THE ALBERTA TOMORROW PROJECT COHORT

Presented by:

- Amanda Barberio, Research Associate Department of Cancer Epidemiology and Prevention Research, Alberta Health Services

D4.5 THE IMPACT OF MENOPAUSAL STATUS ON ASSOCIATION BETWEEN RECREATIONAL MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY AND OVARIAN CANCER AMONG PARTICIPANTS IN THE PREVENTION OF OVARIAN CANCER IN QUEBEC (PROVAQ) STUDY.

Presented by:

- Anne Grundy, Research Associate, Department of Social and Preventive Medicine, Université de Montréal and Centre de Recherche du CHUM (CRCHUM)

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

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

#### E1: CPTP

E1.1 THE CANADIAN PARTNERSHIP FOR TOMORROW PROJECT: A HEALTH RESEARCH RESOURCE

Presented by:

- Paula Robson, Scientific Director, Alberta's Tomorrow Project

E1.2 EXPERIENCES OF CANCER PATIENTS IN TRANSITION STUDY: FROM SURVEY IMPLEMENTATION TO OUTCOME MODELING

Presented by:

- Andrea Coronado, Specialist, Health System Performance, Canadian Partnership Against Cancer

E1.3 BUILDING CANCER ANALYTIC CAPACITY IN CANADA

Presented by:

- Cheryl Louzado, Program Manager, Data Integration, Canadian Partnership Against Cancer

#### E2: BIostatISTICS

E2.1 USING MACHINE LEARNING METHODS TO CREATE CHRONIC DISEASE CASE DEFINITIONS IN A PRIMARY CARE ELECTRONIC MEDICAL RECORD

Presented by:

- Brendan Lethebe, Student, University of Calgary

E2.2 GENE SET ANALYSIS OF LONGITUDINAL BLOOD PRESSURE

Presented by:

- Elham Khodayari Moez, PhD Student, School of Public Health, University of Alberta

E2.3 LONGITUDINAL TRAJECTORIES OF DISEASE SEVERITY IN CHILDREN WITH EPILEPSY

Presented by:

- Anita Brobbey, PhD Student, University of Calgary

E2.4 TBD

E2.5 MODELING THE RANDOM EFFECTS COVARIANCE MATRIX FOR LONGITUDINAL DATA WITH OVARIATES MEASUREMENT ERROR

Presented by:

- Md Erfanul Hoque, Student, University of Manitoba

# THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

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

### E3: CLINICAL & PHARMACO – EPIDEMIOLOGY

E3.1 PREDICTORS OF FRAGILITY FRACTURE AMONG CHRONIC ORAL GLUCOCORTICOID USERS IN ONTARIO

**Presented by:**

- Mohamed Amine Amiche, PhD candidate, Leslie Dan Faculty of Pharmacy, University of Toronto

E3.2 COMPARISON OF REGISTERED AND REPORTED OUTCOMES IN RANDOMIZED CLINICAL TRIALS PUBLISHED IN ANESTHESIOLOGY JOURNALS

**Presented by:**

- Jeffrey Chow, MSc (Epidemiology and Biostatistics) Student, The University of Western Ontario

E3.3 COGNITION AND MOTOR FUNCTION: A NOVEL OUTCOME MEASURE FOR STUDIES OF PRE-DEMENTIA SYNDROMES

**Presented by:**

- Jacqueline K. Kueper, M.Sc. Candidate, Western University

E3.4 PREVALENCE OF HIGH-RISK NODULES IN SCREENED INDIVIDUALS SELECTED ACCORDING TO STANDARD GUIDELINE CRITERIA VS. A LUNG CANCER RISK PREDICTION CALCULATOR IN THE ALBERTA LUNG CANCER SCREENING PROGRAM

**Presented by:**

- Niloofer Taghizadeh, Postdoctoral associate, Division of Respiratory Medicine and Charbonneau Cancer Research Institute, University of Calgary, Calgary, AB, Canada

E3.5 ONTARIO PHARMACY SMOKING CESSATION PROGRAM: MORE PHARMACIES NEED TO PARTICIPATE

**Presented by:**

- Lindsay Wong, MSc student, Leslie Dan Faculty of Pharmacy, University of Toronto

### E4: INFECTIOUS DISEASE

E4.1 INDIVIDUAL LEVEL MODELLING OF INFECTIOUS DISEASE DATA: EPIILM

**Presented by:**

- Vineetha Warriyar Kodalore Vijayan, PhD candidate, Postdoctoral Fellow, University of Calgary

E4.2 EPIDEMIOLOGY OF REPORTED CASES OF ENTERIC PATHOGENS IN ALBERTA: 2013-2016

**Presented by:**

- Kate Snedeker, Surveillance Epidemiologist, Alberta Health Services

E4.3 EXAMINING DIFFERENCES IN THE PROPORTIONS OF HIV-HCV CO-INFECTED INDIVIDUALS EXPERIENCING FOOD INSECURITY IN QUEBEC, BRITISH COLUMBIA, AND ONTARIO

**Presented by:**

- Taylor McLinden, PhD Candidate, McGill University

E4.4 SPATIOTEMPORAL PATTERNS OF OCCURRENCE OF SHIGA-TOXIGENIC ESCHERICHIA COLI (STEC) IN SUBMITTED NON-MUNICIPAL DRINKING WATER FROM SOUTHERN ALBERTA

**Presented by:**

- Colin Reynolds, MSc Student, University of Alberta School of Public Health

E4.5 INVESTIGATING TRENDS IN THE EMERGENCE OF LYME DISEASE IN EASTERN ONTARIO

**Presented by:**

- Isha Narula, Student Researcher, University of Ottawa

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

4:00PM TO 5:30PM CONCURRENT SESSION F

### F1: PUBLIC HEALTH / POPULATION HEALTH

F1.1 ARE INDIGENOUS DETERMINANTS OF HEALTH ASSOCIATED WITH ANXIETY DISORDERS AMONG FIRST NATIONS ADULTS?: FINDINGS FROM THE 2012 ABORIGINAL PEOPLES SURVEY

Presented by:

- Sharifa Nasreen, PhD Candidate, Western University

F1.2 ABORIGINAL WOMEN AND THE MINING INDUSTRY

Presented by:

- Raywat Deonandan, Assistant Professor, University of Ottawa

F1.3 POPULATION HEALTH MODEL FOR CANADIAN VETERANS

Presented by:

- Linda VanTil, Epidemiologist, Veterans Affairs Canada

F1.4 CONSUMER ENGAGEMENT WITH ONLINE CANADIAN MEDIA COVERAGE OF SEASONAL INFLUENZA VACCINATION: AN EXPLORATORY STUDY OF USER GENERATED CONTENT IN WEB 2.0

Presented by:

- Reenika Aggarwal, Researcher, University of Waterloo

F1.5 CONNECTING PUBLIC HEALTH INTERVENTION DENSITY AND HEPATITIS C INCIDENCE RATES: A PROPOSED ECOLOGIC MULTIGROUP COMPARISON STUDY OF COMMUNITIES IN ONTARIO, 1991-2016

Presented by:

- Charlotte, McEwen, Student, Lakehead University

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

### 4:00PM TO 5:30PM CONCURRENT SESSION F

#### F2: CANCER

F2.1 EXPOSURE TO MEAT-DERIVED CARCINOGENS AND BULKY DNA ADDUCT LEVELS IN NORMAL-APPEARING COLON MUCOSA

**Presented by:**

- Vikki Ho, Assistant Professor/Research, University of Montreal/University of Montreal Hospital Research Center (CRCHUM)

F2.2 TBD

F2.3 IMPACT OF RESULTS FROM CANADIAN EPIDEMIOLOGIC STUDIES OF PESTICIDES AND CANCER ON RECENT ASSESSMENTS OF PESTICIDE CARCINOGENICITY BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC)

**Presented by:**

- Manisha Pahwa, Research Associate, Cancer Care Ontario

F2.4 COLORECTAL CANCER TREATMENT FOR PATIENTS WITH A SEVERE PSYCHIATRIC ILLNESS: EVIDENCE FOR INEQUALITIES IN A UNIVERSAL HEALTH CARE SYSTEM

**Presented by:**

- Alyson Mahar, Postdoctoral Research Associate, Sunnybrook Health Sciences Centre

F2.5 EVALUATING TNM STAGE PROGNOSTIC ABILITY IN A POPULATION-BASED COHORT OF GASTRIC CANCER PATIENTS IN A LOW INCIDENCE COUNTRY

**Presented by:**

- Alyson Mahar, Postdoctoral Research Associate, Sunnybrook Health Sciences Centre

## THURSDAY, JUNE 1, 2017 (CONCURRENT SESSIONS)

### 4:00PM TO 5:30PM CONCURRENT SESSION F

#### F3: BIOSTATISTICS

##### F3.1 GEO-DEPENDENT INDIVIDUAL-LEVEL MODELS FOR INFECTIOUS DISEASES TRANSMISSION

**Presented by:**

- Md Mahsin, Doctoral Student, University of Calgary

##### F3.2 TRAJECTORIES OF PHYSICAL AND PSYCHOSOCIAL FUNCTIONING IN CHILDREN WITH EPILEPSY: THE MODERATING ROLE OF PARENTAL DEPRESSION

**Presented by:**

- Meng Wang, Department of Clinical Neurosciences, University of Calgary

##### F3.3 INFLUENZA VACCINATION FORECAST IN NORTH ZONE, ALBERTA

**Presented by:**

- Zhengrong Li, Analyst, Alberta Health Services

##### F3.4 ESTIMATION OF SCREENING SENSITIVITY AND SOJOURN TIME FROM AN ORGANIZED SCREENING PROGRAM

**Presented by:**

- Huan Jiang, Biostatistician, Assistant Professor, Cancer Care Ontario

##### F3.5 EXPLORATION OF DIFFERENT ADAPTATION OF GENERALIZED ESTIMATING FOR THE ANALYSIS OF CLUSTERED LONGITUDINAL DATA

**Presented by:**

- Elmasoud Masoud, Senior Statistician/ Adjunct Professor, Canadian Food Inspection Agency / University of Ottawa

#### F4: ENVIRONMENTAL & OCCUPATIONAL / SURVEILLANCE & SPATIAL EPIDEMIOLOGY

##### F4.1 SMOKING CESSATION IN REGIONAL CANCER CENTRES: COLLECTION AND REPORTING OF DATA ON TOBACCO USE AND SMOKING CESSATION ACTIVITIES

**Presented by:**

- Mohammad Haque, Research Associate, Cancer Care Ontario

##### F4.2 AUTOMATION OF SYNDROMIC SURVEILLANCE: EARLY ABERRATION DETECTION SYSTEM (EADS) WITH ALBERTA REAL-TIME SYNDROMIC SURVEILLANCE NET (ARTSSN) - INFLUENZA-LIKE ILLNESS CASE

**Presented by:**

- Daniel Han, Analyst, Alberta Health Services

##### F4.3 SPATIAL AND TEMPORAL ANALYSIS OF CHLAMYDIA TRACHOMATIS IN NEWFOUNDLAND AND LABRADOR (NL) AND ITS POTENTIAL LINKAGE TO MIGRATORY EMPLOYMENT.

**Presented by:**

- James Valcour, Associate Professor of Epidemiology, Memorial University of Newfoundland

##### F4.4 IMPACTS OF OTTAWA'S CENTRAL EXPERIMENTAL FARM ON AMBIENT AIR POLLUTION, AND TEMPERATURE: FINDINGS FROM A MOBILE MONITORING CAMPAIGN

**Presented by:**

- Keith Van Ryswyk, MSc candidate, Carleton University

##### F4.5 SPATIAL ASSOCIATIONS BETWEEN METRICS OF NOISE, AND TRAFFIC-RELATED AIR POLLUTION: A PASSIVE MONITORING CAMPAIGN IN OTTAWA, CANADA

**Presented by:**

- Keith Van Ryswyk, MSc candidate, Carleton University

## 3:15PM TO 4:30PM POSTER PRESENTERS

### URBAN AREA-LEVEL INCOME AND LIKELIHOOD OF LIFETIME AND NON-RECENT COLORECTAL CANCER SCREENING IN CANADA

Presented by:

- Alexandra Blair, PhD Candidate, University of Montreal, CHUM Research Center

### IMPACT OF VITAMIN D INTAKE ON SERUM VITAMIN D STATUS IN CANADIAN BREAST CANCER PATIENTS

Presented by:

- Amit Manocha, PhD Candidate, Student Researcher, University of Calgary

### METHODS FILTERS AND 'AND NOT' LIMITS FILTERS FOR SYSTEMATIC REVIEWS HAVE HIGH SENSITIVITY AND MARKEDLY REDUCE THE NUMBER OF ARTICLES NEED TO READ: AN ANALYTIC SURVEY

Presented by:

- Dalton Budhram, Undergraduate Student, McMaster University

### ASSOCIATIONS BETWEEN SPOUSES' HEALTH BEHAVIOURS BEFORE AND AFTER ONE PARTNER IS DIAGNOSED WITH DIABETES: RESULTS FROM THE LIFELINES COHORT STUDY

Presented by:

- Rachel Burns, Postdoctoral Fellow, McGill University

### TRANSDERMAL NITROGLYCERIN THERAPY IN LOWER LIMB PERIPHERAL ARTERIAL DISEASE: A SYSTEMATIC REVIEW

Presented by:

- Michael Caputo, Medical Student, Northern Ontario School of Medicine

### SUPERVISOR AND ORGANIZATIONAL FACTORS ASSOCIATED WITH JOB MODIFICATIONS

Presented by:

- Catherine Chambers-Bedard, MPH Candidate, Lakehead University

### THE COMBINED EFFECT OF SOCIOECONOMIC STATUS AND COMPENSATION POLICY ON RETURN TO WORK.

Presented by:

- Catherine Chambers-Bedard, MPH Candidate, Lakehead University

### FALLS AND FEAR OF FALLING IN OLDER ADULTS AFTER TOTAL JOINT ARTHROPLASTY

Presented by:

- Serena Chen, Graduate Student, University of Alberta School of Public Health

### DIABETES SIGNIFICANTLY INCREASES THE RISK OF DEPRESSION IN LONGITUDINAL STUDIES: SYSTEMATIC REVIEW, META-ANALYSIS AND POPULATION ATTRIBUTABLE FRACTIONS.

Presented by:

- Batholomew Chireh, Student, University of Saskatchewan

## 3:15PM TO 4:30PM POSTER PRESENTERS

### MENTAL HEALTH STATUS AND SERVICE UTILIZATION AMONG ETHNIC GROUPS IN ONTARIO, CANADA

Presented by:

- Jenny Gatov, Epidemiologist, Institute for Clinical Evaluative Sciences

### FACTORS ASSOCIATED WITH SHORTER NIGHT-TIME SLEEP IN TODDLERS: THE SURVEY OF YOUNG CANADIANS (SYC)

Presented by:

- Christy Costanian, PhD Student, York University

### WRITING SKILLS ENHANCEMENT FOR PUBLIC HEALTH PROFESSIONALS IN RWANDA

Presented by:

- Raywat Deonandan, Assistant Professor, University of Ottawa

### ADVANCED MATERNAL AGE: ETHICAL AND MEDICAL CONSIDERATIONS FOR ASSISTED REPRODUCTIVE TECHNOLOGY

Presented by:

- Raywat Deonandan, Assistant Professor, University of Ottawa

### POST-COLONOSCOPY COLORECTAL CANCERS. A STEP TOWARDS IDENTIFICATION OF ROOT CAUSES AND POTENTIAL POINTS OF INTERVENTIONS

Presented by:

- Saiganesh Dhannewar, Research Assistant, University of Alberta

### HANDLING UNCERTAINTY IN TRIAL-BASED ECONOMIC EVALUATIONS: A REVIEW OF THE USE OF STATISTICAL METHODS

Presented by:

- Juan Pablo Diaz-Martinez, Student, McMaster University

### INJURIES RELATING TO LIQUID LAUNDRY DETERGENT PACKETS ...STILL?

Presented by:

- Minh T Do, Epidemiologist, Public Health Agency of Canada

### REACH AND PATTERN OF USE OF ASSISTED METHODS OF SMOKERS QUITTING IN ONTARIO

Presented by:

- Sarah Edwards, Director, Surveillance and Reporting, Alberta Health Services

### BREAST CANCER SURVIVAL BY MOLECULAR SUBTYPE IN ONTARIO, CANADA: A POPULATION-BASED ANALYSIS OF CANCER REGISTRY DATA

Presented by:

- Saber Fallahpour, Senior Research Associate, Cancer Care Ontario

### THE ASSOCIATION BETWEEN SOCIAL PARTICIPATION AND DEPRESSION SYMPTOMS AMONG MIDDLE-AGED AND ELDERLY CHINESE ADULTS

Presented by:

- Mingying Fangr, Ph.D candidate, University of Waterloo

### HIV AND SYPHILIS PREVALENCE AND RISK FACTORS AMONG DRUG USERS: RESULTS OF RESPONDENT-DRIVEN SAMPLING IN GUANGZHOU

Presented by:

- Mingying Fangr, Ph.D candidate, University of Waterloo



## 3:15PM TO 4:30PM POSTER PRESENTERS

### AN ASSESSMENT OF THE EFFECTIVENESS OF EPIDEMIOLOGY ONLINE DISTANCE LEARNING

Presented by:

- Mateo Farfan, Student, University of Ottawa

### PSYCHOSOCIAL OUTCOMES TWELVE MONTHS FOLLOWING A DOSE-RESPONSE AEROBIC EXERCISE INTERVENTION IN POSTMENOPAUSAL WOMEN

Presented by:

- Megan Farris, Epidemiology Research Associate/ Project Coordinator, Alberta Health Services

### THE ALBERTA MOVING BEYOND BREAST CANCER (AMBER) COHORT STUDY: RECRUITMENT, ASSESSMENT, AND DESCRIPTION OF THE FIRST 1023 PARTICIPANTS

Presented by:

- Megan Farris, Epidemiology Research Associate/ Project Coordinator, Alberta Health Services

### INTERVENTIONS FOR REDUCING THE DURATION OF THE ACUTE DIARRHEA AND GASTROENTERITIS IN CHILDREN: A NETWORK META-ANALYSIS

Presented by:

- Ivan D. Florez, PhD Student, McMaster University

### WEIGHT TRAJECTORIES, ADIPOSITY MEASUREMENTS OF OBESITY AND SURVIVAL AFTER PROSTATE CANCER DIAGNOSIS

Presented by:

- Christine Friedenreich, Scientific Leader, Alberta Health Services

### IMPROVING LEGIONELLOSIS SPATIAL CLUSTER DETECTION USING MULTIPLE EXPOSURE ADDRESSES PER CASE

Presented by:

- Cecilia Fung, Epidemiologist, Public Health Ontario

### CANCER SCREENING AND PERCEIVED SUSCEPTIBILITY OF DEVELOPING CANCER: A CROSS-SECTIONAL ANALYSIS OF THE ALBERTA TOMORROW PROJECT

Presented by:

- Meghan Gilfoyle, Student, University of Waterloo

### QUALITY OF WEB-BASED INFORMATION FOR THE 10 MOST COMMON FRACTURES

Presented by:

- Lydia Ginsberg, Research Assistant/Student, McMaster University

### IS QUALITY OF DIABETES CARE ASSOCIATED WITH DEPRESSIVE SYMPTOMS IN ADULTS WITH DIABETES? A STUDY OF 19 EUROPEAN COUNTRIES

Presented by:

- Eva Graham, PhD Candidate, Epidemiology, McGill University

### IDENTIFYING RELEVANT POPULATION-BASED INTERVENTION PROGRAMS TO IMPACT THE PREVALENCE OF CANCER-RELATED LIFESTYLE RISK FACTORS IN CANADA

Presented by:

- Xin Grevers, Research study coordinator, Alberta Health Services

### A MULTI-CENTRE RETROSPECTIVE STUDY OF EVALUATION TIMES IN PRIOR LIVING KIDNEY DONORS

Presented by:

- Steven Habbous, PhD student, Western University

## 3:15PM TO 4:30PM POSTER PRESENTERS

MEAT-DERIVED CARCINOGENS AND THE RISK OF COLORECTAL CANCER; A META-ANALYSIS.

Presented by:

- Vikki Ho, Assistant Professor/Research, University of Montreal/University of Montreal Hospital Research Center (CRCHUM)

THE ASSOCIATION BETWEEN FREQUENCY OF RELIGIOUS PARTICIPATION AND COGNITIVE FUNCTION: PRELIMINARY ANALYSIS OF THE CANADIAN LONGITUDINAL STUDY ON AGING

Presented by:

- Shera Hosseini, Graduate Student, University of Waterloo

STUDYING CYCLE TRACKS AND CYCLIST SAFETY IN TORONTO THROUGH ONLINE DATA MINING

Presented by:

- Martha Hunter, Master's Student, Lakehead University

LONG-TERM RISK OF RECURRENCE AFTER DISCONTINUING ANTICOAGULANTS FOR A FIRST UNPROVOKED VENOUS THROMBOEMBOLISM: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presented by:

- Faizan Khan, Master of Science Student, University of Ottawa

STATISTICAL METHODS FOR PROJECTING LIFESTYLE EXPOSURE PREVALENCE TRENDS IN CANADA

Presented by:

- Farah Khandwala, Statistical Associate, Alberta Health Services

FACTORS INFLUENCING EMPLOYER PARTICIPATION IN RESEARCH

Presented by:

- Vicki Kristman, Associate Professor, Lakehead University

SUSCEPTIBILITY OF DEPRESSION AMONG CANADIAN UNIVERSITY STUDENTS

Presented by:

- Philip Lam, Health Science Student, University of Ottawa

HEALTH IN THE RURAL TOWNS OF LIMA, PERU

Presented by:

- Philip Lam, Health Science Student, University of Ottawa

BEALL'S LIST: A VIABLE TOOL FOR IDENTIFYING PREDATORY SCIENCE JOURNALS?

Presented by:

- Meghan Laverty, Student, University of Ottawa

CHARACTERIZATION OF ADHERENCE TO EXERCISE INTERVENTIONS IN HEALTHY OLDER ADULTS

Presented by:

- Oluwaseyi Lawal, Statistical Research Analyst, University of Calgary

THE RELATIONSHIP BETWEEN AGE AND SERUM VITAMIN D STATUS IN A POPULATION-BASED COHORT OF CANADIAN BREAST CANCER PATIENTS

Presented by:

- Nicholas Massaro, Student, University of Calgary

## 3:15PM TO 4:30PM POSTER PRESENTERS

TRENDS IN SERUM VITAMIN D IN A POPULATION-BASED COHORT OF ALBERTAN BREAST CANCER PATIENTS

Presented by:

- Heather Merry, Statistical Research Associate, Alberta Health Services

THE ABILITY OF THE 'SCORE RISK MODEL' TO PREDICT 10-YEAR CARDIOVASCULAR DISEASE MORTALITY: CANADIAN HEART HEALTH SURVEY FOLLOW-UP STUDY AS AN EXAMPLE

Presented by:

- Ruh Afza, Student, Household use

SELECTIVE OUTCOME REPORTING IN RANDOMIZED CONTROLLED TRIALS OF LUNG CANCER IMMUNOTHERAPY

Presented by:

- Reenika Aggarwal, Researcher, University of Waterloo

CLINICAL UTILITY OF SERUM 25-HYDROXYVITAMIN D IN THE DIAGNOSIS OF INSULIN RESISTANCE: A CROSS-SECTIONAL ANALYSIS OF NHANES, 2001-2010

Presented by:

- Banaz Al-khalidi, PhD Candidate, York University

PRECISION REMODELLING AND DETERMINING CUT-OFF SCORES OF THE IOWA INFANT FEEDING ATTITUDE SCALE TO IMPROVE CLINICAL USE AND EFFICACY AMONG PRENATAL WOMEN IN CANADA

Presented by:

- Nouf AlKusayer, Graduate student, Memorial University of Newfoundland and Labrador

INCORPORATING CONTACT NETWORK UNCERTAINTY IN INDIVIDUAL LEVEL MODELS OF INFECTIOUS DISEASE USING APPROXIMATE BAYESIAN COMPUTATION

Presented by:

- Waleed Almutiry, PhD candidate at Guelph university and visiting student at Calgary University, University of Guelph

EFFECTIVENESS OF ORAL BISPHOSPHONATES IN REDUCING FRACTURE RISK AMONG CHRONIC ORAL GLUCOCORTICOID USERS: A POPULATION-BASED STUDY

Presented by:

- Mohamed Amine Amiche, PhD candidate, Leslie Dan Faculty of Pharmacy, University of Toronto

THE EFFECTS OF PHACOEMULSIFICATION ON INTRA-OCULAR PRESSURE AND TOPICAL MEDICATION USE IN PATIENTS WITH GLAUCOMA: A SYSTEMATIC REVIEW AND META-ANALYSIS THREE-YEAR DATA

Presented by:

- James Armstrong, MD/PhD Candidate, Schulich School of Medicine

DEPRESSIVE SYMPTOMATOLOGY AND LIFELONG MUSIC EXPERIENCE: A CROSS-SECTIONAL STUDY

Presented by:

- Jennifer Asselstine, M.HSc. Candidate/Graduate Assistant, Lakehead University

THE RIVERMEAD POST-CONCUSSION QUESTIONNAIRE PREDICTS SOCIAL, MENTAL, AND OVERALL SELF-REPORTED RECOVERY SIX MONTHS AFTER MILD TRAUMATIC BRAIN INJURY IN OLDER ADULTS

Presented by:

- Jennifer Asselstine, M.HSc. Candidate/Graduate Assistant, Lakehead University

## 3:15PM TO 4:30PM POSTER PRESENTERS

MENTAL HEALTH AMONG CANADIAN ADOLESCENTS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD)

Presented by:

- Mariam Bakshi, Student, Queen's University

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PROSOCIAL BEHAVIOUR IN CANADIAN ADOLESCENTS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD) AND THE PROTECTIVE ROLE OF PHYSICAL ACTIVITY

Presented by:

- Mariam Bakshi, Student, Queen's University

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OVER 48,000 ONTARIO SENIORS HAVE INITIATED DENOSUMAB: PATIENT CHARACTERISTICS, REGIONAL VARIATION IN USE AND PERSISTENCE WITH THERAPY

Presented by:

- Joann Ban, Student, Leslie Dan Faculty of Pharmacy, University of Toronto

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TRANSGENDER-INCLUSIVE MEASURES OF SEX/GENDER FOR POPULATION HEALTH SURVEYS: EVALUATION AND RECOMMENDATIONS

Presented by:

- Greta Bauer, Associate Professor and Graduate Chair, Epidemiology and Biostatistics, Western University

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DATA PRIVACY AND RESEARCH: NEW CHALLENGES FROM THE COURTS

Presented by:

- Greta Bauer, Associate Professor and Graduate Chair, Epidemiology and Biostatistics, Western University

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ANNUAL VERSUS BIENNIAL SCREENING: PERFORMANCE MEASURES IN CONCURRENT COHORTS WITHIN THE ONTARIO BREAST SCREENING PROGRAM

Presented by:

- Kristina Blackmore, Research Associate, Cancer Care Ontario

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PREDICTORS OF ADHERENCE TO POSITIVE AIRWAY PRESSURE THERAPY IN CHILDREN: A SYSTEMATIC REVIEW

Presented by:

- Henrietta Blinder, Epidemiology Graduate Student, University of Ottawa

## 3:15PM TO 4:30PM POSTER PRESENTERS

### OCCUPATIONAL EXPOSURE TO SILICA AND THE RISK OF KIDNEY CANCER

Presented by:

- Laura Bogaert, Student, University of Toronto

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### ARE PHYSICAL ACTIVITY AND CONSUMPTION OF FRUITS AND VEGETABLES ASSOCIATED WITH GLAUCOMA?

Presented by:

- Ramanpreet Brar, Master's Student, Western University

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### PROJECTING CANCER INCIDENCE IN CANADA: LOOKING BACK TO THE FUTURE

Presented by:

- Abbey Poirier, Ph.D Candidate, University of Waterloo

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### TAILORING THE WORLD HEALTH ORGANIZATION SURGICAL SAFETY CHECKLIST TO PEDIATRICS: AN IMPLEMENTATION AND EVALUATION STUDY PROPOSAL

Presented by:

- Mary Brindle, Surgeon, Associate Professor, Alberta Health Services

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### AN AUDIT OF IMPLANTED DEVICE-ASSOCIATED INFECTIONS AT THE ALBERTA CHILDREN'S HOSPITAL: A MIXED CHART REVIEW/ELECTRONIC ADMINISTRATIVE DATA STUDY

Presented by:

- Mary Brindle, Surgeon, Associate Professor, Alberta Health Services

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### USING A PATIENT-CENTERED APPROACH TO DEVELOP A SMARTPHONE APPLICATION FOR COLONOSCOPY PREPARATION

Presented by:

- Maida Sewitch, Associate Professor, McGill University and the Research Institute of the McGill University Health Centre

## 2:45PM TO 4:00PM POSTER PRESENTERS

DEVELOPING INTEGRATED SPATIOTEMPORAL SURVEILLANCE SYSTEMS: A PROTOTYPE USING INFLUENZA DATA

Presented by:

- Lennon Li, Biostatistical Specialist, Public Health Ontario

MEASUREMENT INVARIANCE OF THE MEDICAL OUTCOMES STUDY SOCIAL SUPPORT SURVEY IN CORONARY ARTERY DISEASE

Presented by:

- Zhiying Liang, Department of Community Health Institute for Public Health, University of Calgary

WHO CARES: THE IMPACT OF SUSPECTED MINING-RELATED LUNG CANCER ON CAREGIVERS?

Presented by:

- Nancy Lightfoot, Associate Professor, Laurentian University

ADULT PRIMARY CARE USERS WITH AND WITHOUT BODY MASS INDEX IN ELECTRONIC MEDICAL RECORDS FROM THE MANITOBA PRIMARY CARE RESEARCH NETWORK

Presented by:

- Lisa Lix, Surgeon, Professor, University of Manitoba

ESTABLISHING CURRENT PRACTICE OF RADIOLOGICAL TEST TRENDS IN PATIENTS WITH LOWER BACK PAIN IN THE EASTERN HEALTH REGION IN NEWFOUNDLAND

Presented by:

- Gabrielle Logan, Student, Memorial University

AGE AND SEX INFLUENCES ON HEALTH CARE UTILIZATION THROUGH THE ONTARIO TELEMEDICINE NETWORK

Presented by:

- Jessica Lowey, Student, Lakehead University

DO HEALTH LINK CALLS PREDICT EMERGENCY DEPARTMENT VISITS FOR INFLUENZA-LIKE ILLNESS

Presented by:

- Andrew Macmillan, Surveillance Analyst, Alberta Health Services

IMPROVING ACCESS FOR URGENT SURGICAL CASES AT THE ALBERTA CHILDREN'S HOSPITAL: A REALIST REVIEW

Presented by:

- Ali MacRobie, Research Assistant, University of Calgary

THE ASSOCIATION BETWEEN BEHAVIOURS IN ALZHEIMER'S DISEASE AND CAREGIVER HEALTH-RELATED QUALITY-OF-LIFE: A CROSS-SECTIONAL STUDY

Presented by:

- Melissa Majoni, Student, University of Waterloo

QUANTITATIVE RISK-BASED SAMPLING APPROACH FOR LISTERIA MONOCYTOGENES IN READY-TO-EAT MEAT AND POULTRY PRODUCTS

Presented by:

- Elmabrok Masaoud, Surgeon, Senior Statistician/ Adjunct Professor, Canadian Food Inspection Agency / University of Ottawa

## 2:45PM TO 4:00PM POSTER PRESENTERS

SYSTEMATIC REVIEW OF DEPRESSION AS AN OUTCOME OF MILD TRAUMATIC BRAIN INJURY (MTBI): AN EXTENSION OF THE RESULTS OF THE INTERNATIONAL COLLABORATION ON MILD TRAUMATIC BRAIN INJURY PROGNOSIS (ICOMP)

Presented by:

- Charlotte McEwen, Student, Lakehead University

GESTATIONAL DIABETES AND RISK OF CARDIOVASCULAR DISEASE LATER IN LIFE: A RETROSPECTIVE COHORT STUDY

Presented by:

- Safyer McKenzie-Sampson, Master's student, McGill University

S. ENTERITIDIS OUTBREAK DETECTION IN CANADA: CHALLENGES AND OPPORTUNITIES

Presented by:

- Kashmeera Meghnath, Epidemiologist, Public Health Agency of Canada

DETERMINANTS OF MATERNAL MORTALITY: A COMPARISON OF GEOGRAPHIC DIFFERENCES IN NORTHERN AND SOUTHERN REGIONS OF CAMEROON

Presented by:

- Catherine Meh, Student, Western University

EXAMINING THE CONCURRENT IMPACT OF MULTIPLE HEALTHY WEIGHT BEHAVIOURS ON OVERWEIGHT AND OBESITY AMONG ONTARIO'S ADOLESCENTS

Presented by:

- Sandya Menon, Research Assistant, Public Health Ontario

EVOLUTION, FROM CHILDHOOD TO YOUNG ADULTHOOD, OF ASTHMA PHENOTYPES DEFINED BY UTILIZATION OF HEALTH SERVICES IN A PROVINCE-WIDE BIRTH COHORT IN QUEBEC

Presented by:

- Miceline Mesidor, Student, Montreal University

INFLUENCE OF DIETARY ANTIOXIDANT AND OXIDANT INTAKE ON LEUKOCYTE TELOMERE LENGTH

Presented by:

- Alexis Mickle, Graduate Student, Alberta Health Services

RELIGION/SPIRITUALITY AND CANCER SCREENING IN THE ALBERTA TOMORROW PROJECT: AN EXPLORATORY ANALYSIS OF BASELINE DATA

Presented by:

- Susan Mirabi, Student, University of Waterloo

LINKING GENOME WIDE ASSOCIATION STUDIES AND RNA VIA EXPRESSION QUANTITATIVE TRAIT LOCI, WITH AN APPLICATION TO A STUDY OF INFLAMMATORY BOWEL DISEASE

Presented by:

- Fahimeh Moradi, Msc Student, University of Alberta

PREVENTING RESIDUAL CONFOUNDING IN STUDIES OF COMPOSITE EXPOSURES: AN EXAMPLE FROM QUEBEC'S CHILDCARE PROGRAM

Presented by:

- Tanya Murphy, PhD student, McGill University

## 2:45PM TO 4:00PM POSTER PRESENTERS

ASSESSING A BAN ON THE USE OF UV TANNING EQUIPMENT AMONG ADOLESCENTS IN ONTARIO, CANADA: FIRST YEAR RESULTS

Presented by:

- Victoria Nadalin, Senior Research Associate, Cancer Care Ontario

EXERCISE DOSE EFFECTS ON ADIPOSITY PERSIST 12 MONTHS AFTER AN EXERCISE INTERVENTION IN POSTMENOPAUSAL WOMEN

Presented by:

- Heather Neilson, Research Associate, Alberta Health Services

COMORBID SUBSTANCE USE DISORDERS, MAJOR DEPRESSION AND GENERALIZED ANXIETY DISORDERS IN NATIONALLY REPRESENTATIVE SAMPLES: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presented by:

- VIVIAN ONAEMO, Student, University of Saskatchewan

ALCOHOL DEPENDENCE AND THE PERSISTENCE OF MAJOR DEPRESSION

Presented by:

- VIVIAN ONAEMO, Student, University of Saskatchewan

SOURCE ATTRIBUTION OF FOODBORNE SHIGA TOXIN-PRODUCING ESCHERICHIA COLI INFECTION USING A META-ANALYSIS OF CASE-CONTROL STUDIES OF SPORADIC INFECTIONS: A PROTOCOL

Presented by:

- Carolina Oremus, Postdoctoral Fellow, University of Waterloo

EVALUATING AGA KHAN HEALTH SERVICE MATERNAL, NEWBORN AND CHILD HEALTH CROSS-BORDER PROGRAM IN TAJIKISTAN AND AFGHANISTAN

Presented by:

- Stephanie Ortynsky, Monitoring and Evaluation Fellow, Aga Khan Health Service, Tajikistan

SKIN CANCER IN CANADA ATTRIBUTABLE TO ULTRAVIOLET RADIATION, INDOOR TANNING, AND SUN BEHAVIOUR HABITS

Presented by:

- Dylan O'Sullivan, PhD Candidate, Queen's University

A QUALITY ASSESSMENT OF HEALTH MANAGEMENT INFORMATION SYSTEM (HMIS) DATA FOR MATERNAL AND CHILD HEALTH IN JIMMA ZONE, ETHIOPIA

Presented by:

- Mariame Ouedraogo, MSc Student in Epidemiology, University of Ottawa, School of Epidemiology, Public Health and Preventive Medicine

INCREASING AND BALANCING THE POWER OF MULTIPLE TESTS IN OPTIMAL TREATMENT DURATION CLINICAL TRIALS -- A NEW ANALYSIS PLAN WHEN THESE DURATIONS HAVE OVERLAPS

Presented by:

- Yongdong Ouyang, Student, University of British Columbia

SEDENTARY WORK AND THE RISKS OF COLON AND RECTAL CANCER BY ANATOMICAL SUB-SITE IN THE CANADIAN CENSUS HEALTH AND ENVIRONMENT COHORT (CANCHEC)

Presented by:

- Manisha Pahwa, Research Associate, Cancer Care Ontario



## 2:45PM TO 4:00PM POSTER PRESENTERS

RISK FACTORS FOR HEALTHCARE-ASSOCIATED CLOSTRIDIUM DIFFICILE INFECTION (HA-CDI), 2013-2015, SCARBOROUGH AND ROUGE HOSPITAL (SRH)

Presented by:

- Senthuri Paramalingam, Clinical Epidemiologist, The Scarborough and Rouge Hospital

HEIGHT DURING CHILDHOOD, ADOLESCENCE AND ADULTHOOD, AND PROSTATE CANCER RISK

Presented by:

- Marie-Elise Parent, Professor, Institut national de la recherche scientifique, University of Quebec

IMPROVING THE CANADIAN INSTITUTE FOR HEALTH RESEARCH'S (CIHR) GRANT APPLICATIONS: A SWOT ANALYSIS OF THE POLICIES GOVERNING THE FUNDING PROCESS

Presented by:

- Raywat Deonandan, Assistant Professor, University of Ottawa

HOW WE MEASURE CANCER IN FIRST NATIONS, INUIT AND MÉTIS COMMUNITIES: A KNOWLEDGE EXCHANGE PROJECT

Presented by:

- Maegan Prummel, Senior Research Associate, Cancer Care Ontario

SUBSTANCE USE DISORDER AMONG EMERGING AND YOUNG ADULTS: AN EPIDEMIOLOGICAL STUDY

Presented by:

- Rana Qadeer, Student, McMaster University

EVIDENCE REVERSAL AND RANDOMIZED CONTROLLED TRIALS WITHIN THE NEW ENGLAND JOURNAL OF MEDICINE: AN ANALYSIS OF TRIAL CHARACTERISTICS FROM 2000 TO 2016

Presented by:

- Riaz Qureshi, Student, University of Western Ontario

A SIMULATION STUDY TO ASSESS THE IMPACT ON SCREENING RESULTS OF INTRODUCING NEXT-GENERATION SEQUENCING TECHNOLOGY INTO NEWBORN SCREENING

Presented by:

- Alvi Rahman, MSc. Student, University of Ottawa

LEVERAGING CLINICAL INFORMATION SYSTEMS TO FACILITATE KNOWLEDGE TRANSLATION IN EMERGENCY MEDICINE

Presented by:

- Laura Rivera, Research Associate, University of Calgary

A COMPARISON OF CENTRAL AND DISSEMINATED SCHOOL ABSENTEEISM SYNDROMIC SURVEILLANCE PUBLIC HEALTH PRACTICE IN TWO CANADIAN PROVINCES

Presented by:

- Laura Rivera, Research Associate, University of Calgary

CANADIAN INFANT PERTUSSIS HOSPITALIZATIONS IN THE POST-ACELLULAR VACCINE ERA, 1998-2014

Presented by:

- Jenny Rotondo, Epidemiologist, Vaccine Preventable Diseases, Public Health Agency of Canada

ESTIMATING COMBINED POPULATION ATTRIBUTABLE RISKS FOR MULTIPLE LIFESTYLE RISK FACTORS: EXAMINING RISK OF COLORECTAL CANCER IN ALBERTA

Presented by:

- Yibing Ruan, Statistical Associate, Alberta Health Services

## 2:45PM TO 4:00PM POSTER PRESENTERS

### OCCUPATIONAL CANCER IN ONTARIO: RISK FACTORS AND PREVENTION

Presented by:

- Elizabeth Rydz, Research Associate, Cancer Care Ontario

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### RISKS AND BENEFITS OF MOOD-STABILIZER TREATMENT IN PREGNANT WOMEN WITH BIPOLAR DISORDER: A POPULATION-BASED COHORT STUDY

Presented by:

- Misbah Salim, Masters Student Western University

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### LIFETIME CAFFEINE INTAKE AND THE RISK OF EPITHELIAL OVARIAN CANCER

Presented by:

- Simran Sandhu, MSc. Epidemiology Candidate, Queen's University

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### ALZHEIMER'S DISEASE AND RELATED DEMENTIA IN INDIGENOUS POPULATIONS: A SYSTEMATIC REVIEW OF RISK FACTORS

Presented by:

- Grace Scott, Student, Laurentian University

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### METHODOLOGICAL QUALITY OF SYSTEMATIC REVIEWS OF HEALTH LITERACY PROGRAMS IN CANCER SCREENING

Presented by:

- Sakshi Sharma, Student, University of Waterloo

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### INTAKE OF DIETARY FIBRE AND LIFETIME NONSTEROIDAL ANTI-INFLAMMATORY DRUG (NSAID) USE AND THE INCIDENCE OF COLORECTAL POLYPS IN A POPULATION SCREENED FOR COLORECTAL CANCER

Presented by:

- Eileen Shaw, Research Associate, Alberta Health Services

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### THE EFFECT OF PERCEIVED STRESS ON CANCER INCIDENCE USING DATA FROM ALBERTA'S TOMORROW PROJECT

Presented by:

- Eileen Shaw, Research Associate, Alberta Health Services

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### THE CROSSOVER DESIGN FOR STUDIES OF INFERTILITY: A METHODOLOGICAL APPRAISAL

Presented by:

- Daniel Shi, Undergraduate Student, McMaster University

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### EFFECTS OF AMBIENT AIR POLLUTION ON INCIDENT PARKINSON'S DISEASE IN ONTARIO, 2001 TO 2013: A POPULATION-BASED COHORT STUDY

Presented by:

- Sae Ha Shin, Student, Public Health Ontario

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### THE IMPACT OF ORGANIZED BREAST ASSESSMENT ON OVERALL SURVIVAL BY STAGE FOR SCREENED WOMEN DIAGNOSED WITH INVASIVE BREAST CANCER

Presented by:

- Courtney R. Smith, Research Associate, Cancer Care Ontario

## 2:45PM TO 4:00PM POSTER PRESENTERS

### USING TABLEAU DASHBOARDS TO COMMUNICATE ENTERIC PATHOGEN SURVEILLANCE INFORMATION

**Presented by:**

- Kate Snedeker, Surveillance Epidemiologist, Alberta Health Services

### ASSESSMENT OF AN ALGORITHM FOR DETECTING HIGHER THAN EXPECTED COUNTS OF ENTERIC PATHOGENS IN ALBERTA

**Presented by:**

- Kate Snedeker, Surveillance Epidemiologist, Alberta Health Services

### SURVEILLANCE OF PROSTATE CANCER RISK BY OCCUPATION AND INDUSTRY: RESULTS FROM THE CANADIAN CENSUS HEALTH AND ENVIRONMENT COHORT (CANCHEC)

**Presented by:**

- Jeavana Sritharan, PhD Candidate, Occupational Cancer Research Centre, Cancer Care Ontario; Institute of Medical Science, University of Toronto

### MATERNAL HEALTH CARE ACCESS IN RURAL COMMUNITIES IN SOUTHWESTERN UGANDA: ANTENATAL CARE (ANC) ATTENDANCE AND DELIVERY EXPERIENCES AMONG INDIGENOUS BATWA AND NON-INDIGENOUS BAKIGA WOMEN

**Presented by:**

- Vivienne Steele, Student (Masters), University of Guelph

### DETERMINANTS OF PHYSICAL ACTIVITY IN A COHORT OF PROSTATE CANCER SURVIVORS

**Presented by:**

- Chelsea Stone, Masters Student, Alberta Health Services

### THE EFFECT OF SYNTHETIC OXYTOCIN USED FOR INDUCTION OR AUGMENTATION OF LABOR ON EARLY BREASTFEEDING INITIATION AND CONTINUATION: A SYSTEMATIC REVIEW AND META-ANALYSIS

**Presented by:**

- Anusree Subramonian, Msc. Clinical epidemiology student, Memorial University of Newfoundland

### SOCIOECONOMIC STATUS AND RISK PERCEPTIONS OF SMOKING: A SYSTEMATIC REVIEW

**Presented by:**

- Imran Syed, Student, Centre for Addiction Mental Health; University of Western Ontario Department of Epidemiology and Biostatistics

### INVESTIGATING THE VALUE OF A TAILORED KNOWLEDGE SYNTHESIS APPROACH FOR RARE DISEASES: FOCUS GROUPS WITH VARIOUS STAKEHOLDERS

**Presented by:**

- Kylie Tingley, PhD candidate, University of Ottawa

### MAMMOGRAPHIC NON-DENSE AREA AND BREAST CANCER RISK: A CAUSAL INFERENCE APPROACH

**Presented by:**

- Héctor Velásquez García, Graduate Student, School of Population and Public Health

### TRAJECTORIES OF PARENT-REPORTED HEALTH-RELATED QUALITY OF LIFE IN CHILDREN WITH EPILEPSY

**Presented by:**

- Meng Wang, Department of Clinical Neurosciences, University of Calgary

## 2:45PM TO 4:00PM POSTER PRESENTERS

### MATHEMATICAL MODELLING OF THE WEST AFRICAN EBOLA VIRUS EPIDEMIC

Presented by:

- Michael Wendlandt, Student, Mount Royal University

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### PREDICTION OF NEONATAL SEPSIS USING NEWBORN SCREENING ANALYTE DATA

Presented by:

- Lindsay Wilson, Research Assistant, Ottawa Hospital Research Institute

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### EXPLORING THE RELATIONSHIP BETWEEN NEWBORN SCREENING ANALYTES AND CHILDHOOD OUTCOMES RELATED TO AUTISM SPECTRUM DISORDERS

Presented by:

- Lindsay Wilson, Research Assistant, Ottawa Hospital Research Institute

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### SUBTLE DEGREES OF FRAILTY RESULT IN ADVERSE CARDIAC SURGERY OUTCOMES

Presented by:

- Emma Wilson-Pease, Research Assistant, Nova Scotia Health Authority

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### BREAST CANCER RISK AND STAGE AT DIAGNOSIS AMONG IMMIGRANT AND NON-IMMIGRANT WOMEN IN BRITISH COLUMBIA

Presented by:

- Ryan Woods, PHD Student, University of British Columbia/BC Cancer Agency

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### FALL RISK CLASSIFICATION IN COMMUNITY-DWELLING OLDER ADULTS USING A SMART WEARABLE AND THE RESIDENT ASSESSMENT INSTRUMENT (RAI) SYSTEM

Presented by:

- Rena Yang, Graduate Student, University of Waterloo

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### AREA-LEVEL DEPRIVATION AND DENTAL HEALTH RELATED EMERGENCY DEPARTMENT VISITS IN ALBERTA, 2011 TO 2015

Presented by:

- Mei Zhang, Senior Analyst, Alberta Health Services

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### SUICIDE AND SUICIDE-RELATED HEALTH CARE UTILIZATION IN ALBERTA: AN ANALYSIS OF RATES AND TRENDS FROM 2011 TO 2015

Presented by:

- Julie Zhang, Alberta Health Services