

#### **CNODES VIRTUAL SEMI-ANNUAL MEETING - NOVEMBER 2-6, 2020**

	@ 1:00 PM – 2:15 PM EST	@ 2:30 PM – 4:30 PM EST
MONDAY NOVEMBER 2	Observational Studies for Real-World Evidence: Challenges and Opportunities	Implementing the Prevalent New User Design in Multi-Database Studies: Practical Challenges and Lessons Learned
	Presenter: Samy Suissa, CNODES Discussant: Kelly Robinson, Health Canada	Presenters: Kristian Filion, Anat Fisher, Fangyun Wu, Lisa Lix, CNODES Moderator: Pierre Ernst, CNODES
	@ 1:00 PM – 2:30 PM EST	@ 3:00 PM – 5:00 PM EST
TUESDAY NOVEMBER 3	Drug Safety in Pregnancy: Challenges and Solutions in the Modern Era of Pharmacoepidemiology	Trainee Research Roundup
	Presenter: Sonia Hernandez-Diaz, Harvard Discussants: Colin Dormuth and Robert Platt, CNODES	Presenters: CNODES Trainees Moderator: Colin Dormuth, CNODES Training Team
WEDNESDAY NOVEMBER 4	@ 1:00 PM – 3:00 PM EST  Disseminating your Research Evidence: Creating an End of Grant KT Plan  Presenters: Sharon Straus, St. Michael's Hospital and Kim Barnhardt, CMAJ Moderator: Ingrid Sketris, CNODES KT Team	
	@ 1:00 PM – 2:15 PM EST	@ 3:00 PM – 4:15 PM EST
THURSDAY NOVEMBER 5	Health Data Research Network Canada: An Overview	Biases in Evaluating Safety and Effectiveness of Drugs for COVID-19: Designing Real- World Evidence Studies
	Presenters: Kim McGrail, UBC; Nicole Yada, ICES; Juliana Wu, CIHI Moderator: Lisa Lix, CNODES	Presenter: Christel Renoux, CNODES Discussant: Samy Suissa, CNODES
FRIDAY NOVEMBER 6	@ 1:00 PM – 2:30 PM EST  Using R for Analysis of Administrative Data Session reserved for CNODES trainees and analysts only. Password will be required.  Presenter: Rhiannon Kamstra and Kathryn Morrison; Precision Analytics Moderator: Dana Stanley, CNODES Training Team	





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#### **PLENARY SESSION**

# Observational studies for real-world evidence: Challenges and opportunities

MONDAY, NOVEMBER 2, 2020 1:00 PM to 2:15 PM EST

**Presenter:** Dr. Samy Suissa, CNODES **Discussant:** Ms. Kelly Robinson, Health Canada



Dr. Samy Suissa is Director of the Centre for Clinical Epidemiology, Lady Davis Institute for Medical Research, and Professor, Departments of Epidemiology and Biostatistics and of Medicine, McGill University. He is the Nominated Principal Investigator of CNODES.



Ms. Kelly Robinson is Director General of the Marketed Health Products Directorate at the Health Products and Food Branch of Health Canada where she leads a team responsible for post-market surveillance and risk management of authorized health products.



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#### **SYMPOSIUM**

# Implementing the Prevalent New User Design in Multi-Database Studies: Practical Challenges and Lessons Learned

MONDAY, NOVEMBER 2, 2020 2:30 PM to 4:30 PM EST

#### **CNODES Presenters:**



Kristian Filion, CPRD Site Co-Lead



Anat Fisher, BC Site Investigator



Fangyun Wu, ON Senior Analyst



Lisa Lix,
Database
Development
Team Lead



Pierre Ernst, CPRD Site Co-Lead (Moderator)

This session will describe the practical challenges and proposed solutions for implementing the prevalent new user design in CNODES projects, using the SGLT2 project as the example.



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#### **PRESENTATION**

## Drug Safety in Pregnancy: Challenges and Solutions in the Modern Era of Pharmacoepidemiology

1:00 PM to 2:30 PM EST

Presenter: Dr. Sonia Hernandez- Diaz, Harvard

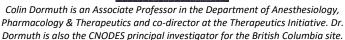


Dr. Sonia Hernandez-Diaz, is a Professor of Epidemiology at the Harvard T.H. Chan School of Public Health. Her area of interest is drug safety evaluation from real world data, with a special emphasis on the design, conduct, and analysis of studies in pregnant women and their infants.

This lecture will cover the main *Challenges* of Pharmacoepidemiological studies on *Drug safety in Pregnancy* and will propose potential solutions. The goal is for participants to: 1) Understand the circumstances around the discovery and management of drug safety crises affecting pregnant women and their offspring. 2) Recognize the unique methodological challenges of discovering unintended drug effects in pregnant women in pre-marketing and post-marketing studies. 3) Describe and discuss approaches to establish boundaries of safety for drugs used in pregnancy. 4) Interpret scientific evidence and critically evaluate the literature on the safety of drugs in pregnancy.

#### **Discussants:**









A CNODES TRAINING TEAM INITIATIVE

#### **PRESENTATION**

### **Trainee Research Roundup**

### TUESDAY, NOVEMBER 3, 2020 3:00 PM TO 5:00 PM EST

Meet some of our CNODES trainees and learn about their research:

- Richard Morrow, PhD Candidate, University of BC Influence of drug safety advisories on drug utilization: an international interrupted time series and meta-analysis study.
- Raymond Milan, PhD Candidate, McGill University
   The economic analysis of observational studies: the case of high intensity statins.
- Reem Masarwa, Post-doctoral Fellow, McGill University Prescribing trends among pediatric outpatients in the United Kingdom: 1998-2018.

Moderator: Dr. Colin Dormuth, CNODES Training Team



A KNOWLEDGE TRANSLATION TEAM INITIATIVE

#### **PRESENTATION**

# Disseminating Your Research Evidence: Creating an End of Grant KT Plan

WEDNESDAY, NOVEMBER 4, 2020 1:00 PM to 3:00 PM EST

Presenters: Sharon E. Straus, St. Michael's Hospital;

Kim Barnhardt, CMAJ

**Moderator:** Ingrid Sketris, CNODES



Dr. Straus is a geriatrician and clinical epidemiologist. She is the Director of the Knowledge Translation Program and Physician-in-Chief at St. Michael's Hospital and Professor in the Department of Medicine, University of Toronto.



Kim Barnhardt is a communications consultant working in health care and Senior Strategist, Communications and Partnerships for the Canadian Medical Association Journal (CMAJ).

Key concepts in research dissemination, knowledge translation and creating an end of grant knowledge translation plan will be discussed. The presenters will share their experience in disseminating DSEN-funded research. Opportunities for DSEN-funded researchers to collaborate to further promote the mobilization of DSEN-generated research evidence to inform practice and policy will be discussed. An end of grant knowledge translation workshop will be conducted.



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#### **PRESENTATION**

# Health Data Research Network Canada: An Overview

THURSDAY, NOVEMBER 5, 2020 1:00 PM TO 2:15 PM EST

#### **Presenters:**



Kim McGrail, UBC



Nicole Yada, ICES



Juliana Wu, CIHI



Lisa Lix, CNODES (Moderator)

This panel discussion will examine the structure, aims, and achievements of Health Data Research Network Canada. Potential synergies with CNODES will be explored in the Q&A session.



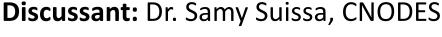
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#### **PRESENTATION**

### Biases in Evaluating Safety and Effectiveness of Drugs for Covid-19: Designing Real World Evidence Studies

THURSDAY, NOVEMBER 5, 2020 3:00 PM to 4:15 PM EST

Presenter: Dr. Christel Renoux, CNODES





Christel Renoux is a neurologist and epidemiologist,
Associate Professor in the Department of Neurology at
McGill University, Associate Member in the Department
of Epidemiology, Biostatistics and Occupational Health,
and Senior Investigator at the Centre for Clinical
Epidemiology at the Jewish General Hospital-Lady Davis
Institute for Medical Research.



Dr. Samy Suissa is Director of the Centre for Clinical Epidemiology, Lady Davis Institute for Medical Research, and Professor, Departments of Epidemiology and Biostatistics and of Medicine, McGill University. He is the Nominated Principal Investigator of CNODES



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#### **WORKSHOP**

### **Using R for Analysis of Administrative Data**

#### FRIDAY, NOVEMBER 6, 2020 1:00 PM to 2:30 PM EST

Session reserved for CNODES trainees and analysts only. Password will be required.

In the follow-up to last year's R workshop, "Introduction to R: Fundamentals and Data Manipulation", this workshop will focus on exploratory data analysis, data manipulation, and visualization. Using a simulated administrative dataset, participants will gain hands-on experience with common analytical tasks including data merging, cohort creation, and descriptive statistics. Data, code, and workshop materials will be made available to all participants following the workshop. Basic knowledge of R is useful for this workshop, but is not required.

### Presenters: Ms. Rhiannon Kamstra; Dr. Kathryn Morrison; Precicion Analytics Moderator: Ms. Dana Stanley, CNODES Training Team



Ms. Rhiannon Kamstra's work in pharmacoepidemiology research and consulting covers many therapeutic areas including psychiatry, endocrinology, and oncology, and has made extensive use of realworld data sources such as insurance claims. She has over a decade of experience in statistical programming including both SAS and R. At Precision Analytics, Rhiannon uses her diverse background to work with clients across the life science and pharmaceutical spectrum.



Dr. Kathryn Morrison's background is in statistics and epidemiology. She is the CTO of Precision Analytics and a co-organizer of the R-Ladies Montreal chapter. She is an avid R programmer and strong proponent of reproducible research practices.