

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

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

# **CNODES SEMI-ANNUAL MEETING**

*A CNODES COORDINATING CENTER INITIATIVE*

## **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.*

## **CNODES SEMI-ANNUAL MEETING**

*A CNODES COORDINATING CENTER INITIATIVE*

### **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 Fillion,**  
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.

# CNODES SEMI-ANNUAL MEETING

A CNODES COORDINATING CENTER INITIATIVE

## PRESENTATION

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

**TUESDAY, NOVEMBER 3, 2020**

**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:



*Colin Dormuth is an Associate Professor in the Department of Anesthesiology, Pharmacology & Therapeutics and co-director at the Therapeutics Initiative. Dr. Dormuth is also the CNODES principal investigator for the British Columbia site.*



*Robert Platt is Professor and Interim Chair of the department of Epidemiology, Biostatistics, and Occupational Health at McGill University, and holds the Albert Boehringer I Chair in Pharmacoepidemiology. He is also the CNODES Executive Co-Lead and Methods Team Lead*

# **CNODES SEMI-ANNUAL MEETING**

*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

## **CNODES SEMI-ANNUAL MEETING**

**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.



## **CNODES SEMI-ANNUAL MEETING**

*A CNODES COORDINATING CENTER INITIATIVE*

### **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.

## **CNODES SEMI-ANNUAL MEETING**

*A CNODES COORDINATING CENTER INITIATIVE*

### **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**

**Discussant: Dr. Samy Suissa, 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*



# CNODES SEMI-ANNUAL MEETING

A TRAINING TEAM INITIATIVE

## 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 real-world 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.*