



Tuesday, June 18, 2019

8:00am - 5:30pm	Workshop Registration	Nicollet Promenade
8:30am - 12:30pm	<u>MORNING WORKSHOPS</u> (Registration Required) Implementing G methods in complex longitudinal data Ashley Naimi Data manipulation, visualization, and reproducible documents with R and the Tidyverse Malcolm Barret & Corinne Riddell Critical review and preparation of manuscripts reporting epidemiologic findings (Sponsored by AJE) Moyses Szklo Confounding control for estimating causal effects: Looking under the hood Niccole Gatto & Ulka Campbell An introduction to R for epidemiologists Steven Mooney Hone your soft skills and own the job market Timothy Lash & Lauren McCullough	
1:00pm - 5:00pm	<u>AFTERNOON WORKSHOPS</u> (Registration Required) Mendelian randomization: a practical guide Neil Davies Using monte carlo simulations for quantitative bias analysis Hailey Banack & Elizabeth Rose Mayeda Communicating research findings to the media and public Jennifer Loukissas Deep learning for epidemiologists: An introduction to neural networks Kathryn Rough Introduction to causal inference for multiple time point exposures Laura Balzer & Maya Petersen E-values, unmeasured confounding, measurement error, and selection bias Tyler VanderWeele & Louisa Smith	
3:00pm - 8:30pm	SER Meeting Registration	Nicollet Promenade
5:30pm - 7:30pm	<u>EVENING WORKSHOPS</u> (Registration Required) Bayesian multilevel/longitudinal modeling Chuck Huber An introduction to directed acyclic graphs: What you never wanted but needed to know about bias and didn't even know to ask. Ian Shrier How to make a picture worth a thousand words: Effectively communicating your research results using statistical graphics Michael Jackson A primer on electronic health record research design and analysis Neal Goldstein An introduction to predicting exposures and outcomes using omic biomarkers Paul Yousefi & Matthew Suderman Infographics 101 for public health Sujani Sivanantharajah	
7:00pm - 8:30pm	Poster Session 1 & Reception (cash bar)	Exhibit Hall

Wednesday, June 19, 2019

7:00am - 7:45am	SPC Speed Networking (ticket required)	Skyway AB
6:45am - 8:00am	Continental Breakfast	Exhibit Hall
7:30am - 5:15pm	Registration	Nicollet Promenade
8:00am - 9:30am	<p><u>PLENARY SESSION 1</u> Session Chair: Andrew Olshan SER President Address Enrique Schisterman Keynote Address Alix Spiegel</p>	Nicollet ABC Recording
9:30am - 10:00am	Break and Poster Viewing	Exhibit Hall
10:00am - 11:30am	<p><u>SYMPOSIA 1</u> SPOTLIGHT ON THE CONTROLS: INTERESTING REAL-WORLD CHALLENGES FACED WITH CONTROL GROUPS AND THE IMPLICATIONS FOR RANDOMIZED CONTROLLED TRIALS. Chairs: Jennifer Ahern and Maya Petersen Cluster randomized trial design and interpretation in a rapidly evolving policy and implementation context: Insights from the Sustainable East Africa Research on Community Health (SEARCH) Trial Maya Petersen Measuring spillover effects in the treatment and control arms in cluster-randomized trials Jade Benjamin-Chung Adapting a community randomized trial design in response to a regional outbreak event: A case study of malaria elimination in Namibia Mi-Suk Kang-Dufour What happened to the controls in the Moving To Opportunity housing experiment? Theresa Osypuk Usual and unusual care: Selecting control groups in behavioral interventions Brandon Marshall Discussant Enrique Schisterman</p>	Nicollet A Recording
10:00am - 11:30am	<p>THE ELEPHANT IN THE ROOM: CAUSAL INFERENCE IN THE FACE OF COMPETING EVENTS Chairs: Jessie K. Edwards and Jessica G. Young Making sense of analytic choices in competing events data using counterfactual causal models Jessica G. Young Choices about competing events, illustrated Jessie K. Edwards Separable effects: new estimands for causal inference in competing risk settings Mats Stensrud Discussant Miguel Hernan Discussant Stephen Cole</p>	Nicollet BC
10:00am - 11:30am	<p>THE PROMISE AND PERIL OF RANDOMNESS Chair: Eric Lofgren Do these results seem random to you? A validation approach for investigating multiple exposures using tree-based methods Jeanette Stingone Biologically or socially transmitted outcomes? Be (un)certain of your uncertainty! Laura Balzer Causal identification and randomness: why 'chance confounding' is a contradiction in terms Daniel Westreich Bad Doctors or Bad Luck?: Stochastic threats to common quality of care metrics Eric Lofgren</p>	Nicollet D1

Accounting for selection bias in the measurement of outbreak intervention efficacy
Jon Zeiner

10:00am - 11:30am

REMOVE THE HESITATION FROM YOUR VALIDATION

Nicollet D2

Chairs: Lisa Bodnar and Matthew Fox

What do SER members know about validation studies? Results of an informal survey

Matthew Fox

Battle of the bias parameters: comparing methods for validating BMI
in postmenopausal women

Hailey Banack

The specific importance of specificity

Timothy Lash

Cancer treatment and pregnancy outcomes: challenges in validation and bias analyses

Penelope Howards

10:00am - 11:30am

**DIVERSITY & INCLUSION: EPIDEMIOLOGY AND COMMUNITY STAKEHOLDERS:
IMPRESSIONS AND EXPERIENCES**

**Nicollet D3
Recording**

Chairs: Martha Werler and Elisa Jean-Baptiste

Is it time to develop an epidemiologic triad model to support the theory of community
engaged scholarship?

Ruby Nguyen

Who is responsible for eliminating health disparities? What are you doing about it?

Mary Roary

Listen to and trust black women

Shawnita Sealy-Jefferson

Intersections of race, culture, & sovereignty hurt american indian epidemiology

Joseph Yracheta

Discussant

Yvette Cozier

10:00am - 11:30am

GOOD EPI, BAD EPI: IS SHORT BIRTH SPACING REALLY THAT BAD?

Lakeshore A

Chairs: Gavin Pereira and Katherine Ahrens

Why do we think there's a causal effect?

Mark Klebanoff

Is it all due to confounding and selection bias?

Gavin Pereira

Response – No it's not!

Katherine Ahrens

It is all due to effect modification.

Annette Regan

Response – Effect modification might exist but we have forgotten about low income countries, where
it matters the most

Amanuel Gebremedhin

10:00am - 11:30am

USE OF SIMULATION IN NON-INFECTIOUS DISEASE EPIDEMIOLOGY

Lakeshore B

Chair: Melinda Power

Use of a simulation framework to combine data from multiple observational data sources

Teresa J. Filshtein

Simulations for quantifying selection bias in lifecourse epidemiology

Elizabeth Rose Mayeda

Simulating the bounds of plausibility: using agent-based models to estimate the impact of high-risk
versus population-based approaches to prevent firearm violence

Magdalena Cerda

Strategies to optimize simulation fidelity and code readability — Perspectives, pair programming, and
open source

James Burke and Luciana Copeland

11:30am - 1:30pm

Lunch (on your own)

Lunchtime Session (lunch not included)

12:00pm - 1:00pm

**EARLY STAGE INVESTIGATORS - HONE YOUR SOFT SKILLS AND OWN
THE JOB MARKET**

**Nicollet A
Recording**

Chairs: Timothy Lash and Lauren McCullough

12:00pm - 1:00pm	<p>DAG HACK-A-THON: CROWDSOURCING DAG DEVELOPMENT WITH AN EXAMPLE FROM REPRODUCTIVE EPIDEMIOLOGY Chair: Matthew Fox & Ellie Murray</p>	Nicollet B/C
12:00pm - 1:00pm	<p>THE ART AND SCIENCE OF PEER REVIEW (Sponsored by Publications Committee) Chair: Hailey Banack Panelists: Sunni Mumford Jay Kaufman Justin Lessler</p>	Nicollet D3 Recording
12:00pm - 1:00pm	<p>SER Student & Faculty Recruitment Fair</p> <p><u>CONCURRENT CONTRIBUTED SESSION 1</u></p>	Skyway AB
1:30pm - 3:00pm	<p>METHODS THAT ACKNOWLEDGE, ADDRESS, AND EVEN EMBRACE DATA COMPLEXITY Chairs: Maya Petersen and Kara Rudolph A quantile-based g-computation approach to addressing the effects of exposure mixtures Alexander P. Keil Censoring for loss to follow-up in time-to-event analyses of composite outcomes or in the presence of competing risks Catherine Lesko Disseminated effects in agent based models: A potential outcomes framework to inform pre-exposure prophylaxis coverage levels for HIV prevention Ashley Buchanan Improving instrumental variable studies of social determinants of health: evaluating the bias-variance tradeoff when adjusting for potential instrument-outcome confounders Audrey Murchland Guidelines for causal inference from pragmatic randomized trials require analytic methods from observational studies Eleanor Murray Valid causal effect estimates with machine learning algorithms Ashley Naimi</p>	Nicollet A Recording
1:30pm - 3:00pm	<p>NOVEL METHODS IN PERINATAL EPIDEMIOLOGY Chair: Anna Pollack Five complications of term pregnancies that predict future preterm delivery Liv Grimstvedt Kvalvik Interval between live birth and initiation of current pregnancy attempt and fecundability Sydney K. Willis How is gestational weight gain between clinical visits best estimated in twin and singleton pregnancies? Michelle Dimitris Firearm violence and preterm birth: Evidence of stochastic mediation by pregnancy complications and health behaviors Dana Goin Outbursts of anger immediately prior to placental abruption: A case-crossover study Harpreet Chahal Increase in preterm births among US Latina women after the 2016 presidential election Alison Gemmill</p>	Nicollet BC
1:30pm - 3:00pm	<p>CARDIOVASCULAR DISEASE Chair: Pam Lutsey The World Trade Center disaster and long-term CVD risk among firefighters Molly Skerker The importance of non-traditional risk factors for prediction of cardiovascular disease in women of reproductive age Sonia M Grandi Effect of longitudinally measured physical activity on the 10-year risk of heart failure among postmenopausal women: A Women's Health Initiative study Sina Noshad</p>	Nicollet D1

Prevention of heart failure in hypertension - disentangling the role of evolving left ventricular hypertrophy and blood pressure lowering: the ALLHAT study

Larisa G. Tereshchenko

The impact of genetically predicted Hgb on ischemic heart disease myocardial infarction heart failure and venous thromboembolism using the UK Biobank

Shan Luo

The apparent protective effect of surgery versus medical treatment on mortality in patients with infective endocarditis: Possible selection bias and time-dependent confounding in cohort studies

Olivia Moir

1:30pm - 3:00pm

INJURY AND VIOLENCE

Chair: Steve Marshall

Incidence of maternal deaths due to overdose and suicide in California 2010-2012

Sidra Goldman-Mellor

A 15-year population-based investigation of sexual assault cases in Ontario Canada

Katherine Muldoon

Geographic variations in temporal trends in mortality from prescription opioids

Sarah Palumbo

Decomposition of the US black-white inequality in life expectancy: Quantifying the impact of the opioid epidemic

Mathew V. Kaing

News coverage of intimate partner homicides in New York City (2013-16): A systematic review

Sandhya Kajeepeeta

Is marijuana use associated with decreased use of prescription opioids? Findings from toxicological testing results for fatally injured drivers

Guohua Li

Nicollet D2

1:30pm - 3:00pm

SOCIAL EPIDEMIOLOGY: RESEARCH AT THE INTERSECTION OF SOCIAL STRUCTURE AND PUBLIC POLICY

Chairs: Lynne Messer and Mahasin Mujahid

Understanding the role of social support in the relationship between perceived discrimination and telomere length: The multi-ethnic study of atherosclerosis (MESA)

Elleni Hailu

Acute care utilization among children experiencing eviction in San Francisco, California

Lara Cushing

The Effect of the 287(g) immigration program on pediatric hospitalizations for ambulatory sensitive conditions in North Carolina

Lindsay Fernandez-Rhodes

Do pro-family employee benefits mitigate the burden of competing workplace and domestic roles on women's depressive symptoms?

Jonathan Platt

The effects of paid family leave on child and parent mental health: A quasi-experimental study of U.S. state policies

Rita Hamad

Does declining state-level labor union density explain changing state-level racial and educational mortality inequities?

Jerzy Eisenberg-Guyot

**Nicollet D3
Recording**

1:30pm - 3:00pm

CANCER

Chair: Eric Polley

Using mendelian randomization to understand how chronotype influences breast cancer risk

Rebecca Richmond

Circulating immune cell composition and breast cancer risk

Jacob K. Kresovich

Evaluation of the association between UGT2B17 gene deletion and adverse symptomatology in postmenopausal women treated with exemestane on the CCTG MAP.3 trial

Vikki Ho

Cancer-attributable mortality among solid organ transplant recipients in the United States 1987-2014

Anne-Michelle Noone

Lakeshore A

A semi-supervised machine learning approach to detecting recurrent metastatic breast cancer cases using linked cancer registry and electronic medical record data

Albee Ling

Causal model-based reinforcement learning for physical activity interventions among prostate cancer survivors

Barbra A. Dickerman

1:30pm - 3:00pm

POLICY EVALUATIONS IN GLOBAL HEALTH RESEARCH

Lakeshore B

Chair: Robin Richardson

Association of China's Universal 2-child policy with changes in births and birth-related health factors

Hongtian Li

Does moving orphans out of institutional care improve their wellbeing? Using marginal structural models to estimate policy-relevant effects

Christine L. Gray

Exploiting minimum legal marijuana use age to assess the impact of marijuana legalization in Uruguay on marijuana use patterns

Ariadne Rivera-Aguirre

Understanding the impact of paid maternity leave policy on childhood diarrhea through mediation analysis: evidence from 40 low-and-middle-income countries

Yan Chai

Impact evaluation of explicit health guarantees policy in breast, gallbladder, stomach and colorectal cancer mortality

Maria Jose Monsalves

Evaluating the impact of the Maternal Health Voucher Scheme in rural Bangladesh: a quasi-experimental interrupted time-series analysis

Arijit Nandi

3:00pm - 3:30pm

Break and Poster Viewing

Exhibit Hall

CONCURRENT CONTRIBUTED SESSION 2

3:30pm - 5:00pm

TRACKING THE BURDEN OF SUBSTANCE ABUSE

**Nicollet A
Recording**

Chair: Magdalena Cerda

Risk of suicide after emergency department visit for opioid overdose

Sidra Goldman-Mellor

Fentanyl overdose deaths in the United States 2013-2017: A national county-level assessment of geographic patterns correlates and the relationship with heroin overdose deaths

Christopher L. Rowe

Surveillance of emergency medical services response with naloxone administrations - North Carolina April - September 2017

Lauren Tanz

Predicting drug overdose deaths in Rhode Island: A comparison of machine learning methods and variable selection procedures

Yu Li (Seashore)

Premature mortality from drug overdoses: a comparative analysis of 13 OECD countries with high quality death certificate data 2001-2015

Yingxi Chen

Alcohol and drug related offenses and risk for future firearm suicide among authorized purchasers of handguns in California

Julia P. Schleimer

3:30pm - 5:00pm

PERINATAL AND PEDIATRIC EPIDEMIOLOGY

Nicollet BC

Chair: Nigel Paneth

Associations between oxidative stress and risk for preterm birth in Puerto Rico

Kelly Ferguson

The association between vigorous physical activity and time to pregnancy

Sifang Kathy Zhao

Validity of maternal weight and gestational weight gain measures from birth certificates

Paige D Wartko

Predictors of up-to-date vaccination in the National Immunization Survey-Child

Erika Fuchs

Antibiotic treatment of bacterial vaginosis to prevent preterm birth: an IPD meta-analysis with imputation of missing studies

Mark Klebanoff

Ambient temperature and acute risk of stillbirth

Jenna Kanner

3:30pm - 5:00pm

PERSPECTIVES IN PHARMACOEPIDEMOLOGY: COMPARING DATA, DESIGNS AND ANALYTIC GOALS

Nicollet D1

Chair: John Jackson

Replicating randomized trial results with observational data using the parametric g-formula: An application to intravenous iron treatment in hemodialysis patients

Angelo Karaboyas

Statins and risk of seven cancers: a population-based cohort study using electronic health records of 722,213 UK adults

Barbra A. Dickerman

Incretin-based drugs and the risk of lung cancer in patients with Type 2 Diabetes

Julie Rouette

Oral corticosteroid use during pregnancy and risk of preterm birth

Kristin Palmsten

Estimating the effect of implantable cardioverter defibrillators on mortality in patients with long QT syndrome using marginal structural models

Meng Wang

3:30pm - 5:00pm

DIABETES: RISK FACTORS AND RAMIFICATIONS

Nicollet D2

Chair: Stefanie Hinkle

Unhealthier food environments associated with higher hospitalization rates among adults with diabetes but not in most extreme "Food Swamps"

Aryn Phillips

The association between environmental quality and diabetes control in the U.S.

Jyotsna S. Jagai

Does liver fat mediate the estimated effect of BMI on type 2 diabetes risk? Evidence from The Multi-Ethnic Study of Atherosclerosis

Luis A. Rodriguez

Fasting plasma glucose diagnosis of gestational diabetes and the risk of late stillbirth: a mediation analysis in a case-control study from England UK

Peter WG Tennant

Gestational diabetes and longitudinal ultrasonographic measures of fetal growth in the NICHD fetal growth studies-singletons

Mengying Li

Gestational diabetes in relation to urinary incontinence in US black women

Yvette C Cozier

3:30pm - 5:00pm

NOVEL METHODS AND QUESTIONS IN UNDERSTANDING AND QUANTIFYING HEALTH DISPARITIES

**Nicollet D3
Recording**

Chair: Nadia Abulezam

Does the type and timing of educational attainment influence health? A novel application of sequence analysis

Anusha Vable

Causal methods for evaluating the health effects of migration history

Adina Zeki Al Hazzouri

Longitudinal associations between worry about deportation and blood pressure, body mass index, and waist circumference among adult women: A community-based cohort study

Jacqueline M. Torres

Setting matters in the relationships of reported interpersonal discrimination with cardiovascular health: findings from CARDIA

Ganga Bey

Disentangling life-course socio-economic determinants of adult inflammation: a multi-cohort study using a counterfactual mediation framework

Cristian Carmeli

3:30pm - 5:00pm

**MAPS, MODELS AND METHODS: APPROACHES IN INFECTIOUS DISEASE
EPIDEMIOLOGY**

Lakeshore A

Chair: Kumi Smith

Estimates of protection from natural immunity against enteric infections and diarrhea in a longitudinal birth cohort

Elizabeth McQuade

Finding the scientific question in the exposure haystack: re-analysis of a matched case-control study of animal-related risk factors for pediatric diarrhea in Kenya

Julianne Meisner

Compared to whom? Reference population matters when calculating relative measures of STI and HIV rates by sexual risk category

Jeremy Grey

Sustained virologic response as a surrogate marker for hepatocellular carcinoma after treatment of hepatitis C virus infection

Rohit P. Ojha

Spatiotemporal distribution of dengue, chikungunya and zika cases across different ethnic groups in Brazil and Colombia

Mabel Carabali

Population structure drives differential methicillin-resistant Staphylococcus aureus colonization dynamics

Matthew S. Mietchen

3:30pm - 5:00pm

LATE BREAKER

Lakeshore B

Chairs: Matthew Fox and Shawnita Sealy-Jefferson

Is social isolation as bad for health as smoking 15 cigarettes per day? Findings from two large prospective UK cohorts.

Robert Smith

State-level social capital in relation to county-level suicide in the United States: a multilevel analysis

Saloni Dev

The effect of an increased minimum wage on suicide rates in the U.S.

John A. Kaufman

Location of pre-exposure prophylaxis (PrEP) services across New York City neighborhoods: Do neighborhood socio-demographic characteristics and HIV prevalence matter?

Byoungjun Kim

Decreased emergency department usage rate following police killings of unarmed Black New Yorkers in 2013-2014

Sze Yan Liu

Evaluation of causal effects of time-varying prescription opioid use on mortality among insured adults in the United States

Hilary A. Aroke

The serpent of their agonies: Exploitation as structural determinant of mental illness

Seth J. Prins

5:30pm - 6:30pm

SPC Business Meeting - All SPC members welcome

Minnehaha

6:30pm - 7:30pm

Poster Session 2 & Reception (cash bar)

Exhibit Hall

7:30pm - 9:30pm

President's Reception - All Invited!

Exhibit Hall

Thursday, June 20, 2019

7:00am - 7:50am

SPC Roundtables (Tickets Required)

7:00am - 8:00am

Continental Breakfast

Exhibit Hall

7:30am - 6:00pm

Registration

8:00am - 9:30am

PLENARY SESSION 2

Nicollet ABC

Session Chair: Enrique Schisterman

Cassel Lecture

Recording

Sandro Galea & Miguel Hernan

"Reconciling social epidemiology and causal inference"

Distinguished Service to SER Award
Sandro Galea

Tyroler Student Prize Paper Award Winner
Brittany Blouin

"Using Bayesian methods to adjust for exposure misclassification in a mediation analysis with multiple mediators: The role of hemoglobin levels and malnutrition in the association between Ascaris infection and IQ scores"

Lilienfeld Postdoctoral Award Winner
Matthieu Domenech de Cellès

"Unraveling the Seasonal Epidemiology of Pneumococcus"

9:30am - 10:00am

Break and Poster Viewing

Exhibit Hall

CONCURRENT CONTRIBUTED SESSION 3

10:00am - 11:30am

ENVIRONMENTAL HEALTH: MEASUREMENT AND OUTCOMES

Chair: Paulina Mendola

Why error propagation might matter: the case of area-level noise pollution and health in the United States

Joan Casey

Residential mobility and misclassification of environmental exposures in a prospective cohort

Danielle N. Medgyesi

Hurricane exposure microfinance and key infectious diseases in Haiti

Molly Rosenberg

Air pollution poverty and cardiometabolic dysfunction among United States adolescents

Edmond Shenassa

Persistent organic pollutants exposure during early pregnancy and longitudinal fetal growth in the NICHD Fetal Growth Studies - Singletons

Marion Ouidir

**Nicollet A
Recording**

10:00am - 11:30am

UNDERSTANDING, IMPROVING, POPULATION MENTAL HEALTH

Chair: Sandro Galea

Estimating the effect of neighborhood deprivation on mental health among refugees and non-refugee immigrants to Sweden: a natural experiment

Eva Raphael

Mitigating the mental health consequences of mass shootings: an in-silico experiment

Salma M. Abdalla

Food insecurity and antepartum depression in the National Children's Study

Megan Richards

Changes in age of handgun purchase policies and adolescent suicide fatalities in the United States

Julia Raifman

Associations of maternal trauma experiences with offspring behavioral problems: Findings from the PrOMIS cohort study

Bizu Gelaye

Age period and cohort effects of loneliness self-esteem and self-derogation among adolescents from 1991-2016

Ava Hamilton

Nicollet BC

10:00am - 11:30am

METHODOLOGICAL ISSUES FOR REPRODUCTIVE EPIDEMIOLOGIC RESEARCH

Chair: Brian Whitcomb

Dealing with competing events in the estimation of the health effects of fertility treatment on the offspring

Yu-Han Chiu

Prediction of pregnancy loss by vaginal bleeding and nausea patterns in early pregnancy: prospective cohort nested within a randomized controlled trial

Elizabeth A. DeVilbiss

Evaluating methods to handle missing pregnancy indication: If she gave birth was she pregnant?

Neil Perkins

Target trial emulation in perinatal epidemiology: Applications in the Generation R Study

Jeremy A. Labrecque

Nicollet D1

Implications of the choice of sample population for the development of risk prediction models for long-term outcomes incorporating pregnancy-related predictors

Sonia M. Grandi

10:00am - 11:30am

RISK FACTORS FOR ALZHEIMER'S DISEASE AND COGNITIVE LOSS

Nicollet D2

Chair: David Jacobs

The impact of public transportation use on cognitive function in older age: A quasi-experimental evaluation of the free bus pass policy in the UK

Erica Reinhard

Association of depression and posttraumatic stress disorder with all-cause mortality among older disaster survivors of the 2011 Great East Japan Earthquake and Tsunami

Xiaoyu Li

Current and past physical activity and risk of Alzheimer's disease: a longitudinal study

Yian Gu

Differential returns to education by sociodemographic subgroup in predicting rate of memory decline

Anusha Vable

Association between GlycA and cognitive function "results from the ELSA" Brasil

Claudia Kimie Suemoto

Educational inequalities in survival after dementia diagnosis

Dominika Seblova

10:00am - 11:30am

POTENTIAL IMPACTS OF POLICIES ON POPULATION HEALTH

**Nicollet D3
Recording**

Chair: Lorna Thorpe

The effect of timing of earned income tax credit refunds on preterm birth

Deborah Karasek

Inconsistent effect on background checks of newly-enacted comprehensive background check policies in 4 US states

Alvaro Castillo-Carniglia

Changes in emergency department dental visits after Medicaid expansion

Hawazin Elani

Effects of the Affordable Care Act Medicaid expansion on subjective well-being: quasi-experimental evidence from the United States adult population

Lindsay Kobayashi

Safety of guidelines recommending LAIV for routine use in children and adolescents with asthma

Gabriela Vazquez Benitez

10:00am - 11:30am

FIREARMS AND SUBSTANCE USE: INFORMING POLICY TO PREVENT INJURY AND VIOLENCE

Lakeshore A

Chair: Rose Kagawa

Efficacy of a behavioral intervention among patients with gunshot wounds: A comparison of analytic methods

Vivian Lyons

Prevalence of "Responsible Selling" tendencies in an online firearms marketplace

Ashley M. Hernandez

Armed and prohibited: Characteristics of legal firearm purchasers in California who subsequently become prohibited persons

Veronica A. Pear

Non-violent misdemeanors as a risk factor for future arrest for violent crime among hand gun purchasers

Aaron Shev

Patterns of medical marijuana and alcohol laws and the association with traffic fatalities 1987-2017

Spruha Joshi

Driving under the influence of alcohol or cannabis in the United States: Relationship to state medical marijuana laws

David S. Fink

10:00am - 11:30am	<p>CANCER SCREENING Chair: Steven Stovitz Do the benefits of cervical cancer screening outweigh its harms: a decision modeling analysis comparing measures of harms and benefits of screening with cytology and HPV testing Talia Malagon A prospective study of cervical intraepithelial neoplasia its treatments and fecundability Lauren A. Wise Trends in surgical treatment for breast cancer in Germany after the implementation of the mammography screening program Andreas Stang Associations between serum inflammatory biomarkers and colorectal cancer incidence in the Singapore Chinese Health Study (SCHS) Elizabeth Polter Can we screen more precisely for colorectal cancer? Ellen M. Mikkelsen Accounting for endoscopic screening in colorectal cancer risk prediction models Esther K. Wei</p>	Lakeshore B
11:30am - 2:00pm	Lunch (on your own)	
12:00pm - 1:00pm	<p>Lunchtime Sessions (lunch not included) SER GOES INTERNATIONAL - EPIDEMIOLOGY IN CHILE Chair: Veronica Iglesias Advance training in epidemiological research in Chile: challenges and opportunities Veronica Iglesias Cardiovascular disease epidemiology research in Chile Carolina Nazzari Environmental epidemiology: Respiratory health of asthmatic and non-asthmatic children and short-term exposure to air pollution, PM2.5 composition and source factors in Santiago, Chile Karla Yohannessen Epidemiological research to support obesity preventive policies in Chile Cristobal Cuadrado</p>	Nicollet A Recording
	<p>WHO WANTS TO BE AN EPIDEMIOLOGIST GAME SHOW Host: Ian Shrier Judges: Jay Kaufman Sonja Swanson Katherine Keyes</p>	Nicollet BC
12:00pm - 1:00pm	<p>SPC CAREER PANEL Panelists: Anne-Marie Jukic Kathryn Rough Pia Mauro Arijit Nandi</p>	Nicollet D1
	<p>CAREER PATHWAYS FOR MASTER'S-LEVEL EPIDEMIOLOGISTS (Sponsored by Membership Committee) Chairs: Erin Bowles and Rachel Ross Master's-level career at an academic medical center Janis Breeze Master's-level career at the VA Tess Gilbert Master's-level career at an integrated healthcare system Lisa Moy Master's-level career at a consulting company Elizabeth Best</p>	Nicollet D3 Recording
1:00pm - 2:00pm	SER Business Meeting - All Members Welcome	Nicollet D2
	<u>SYMPOSIA 2</u>	
2:15pm - 3:45pm	<p>TRIANGULATION OF CAUSAL EFFECT ESTIMATES Chair: Jeremy Labrecque</p>	Nicollet A Recording

Using counterfactuals to formalize triangulation

Jeremy Labrecque

Using triangulation to explore causal effects of maternal exposures on offspring outcomes

Debbie Lawlor

Regression discontinuity and inverse probability weighting methods to estimate causal effects in HIV epidemiology

Catherine Oldenburg

Triangulation in Alzheimer's disease and dementia research

Maria Glymour

2:15pm - 3:45pm

GENETIC EPIDEMIOLOGY IN THE CAUSAL ERA: HOW DO GENES AFFECT THE HEALTH OF POPULATIONS AND HOW DO WE KNOW?

Nicollet BC

Chairs: Jay Kaufman and Stephanie London

Genetic epidemiology as an art of the possible: design and interpretation of genetic association studies

Peter Kraft

How studying racially/ethnically diverse populations informs causal inference.

Christy Avery

Polygenic risk scores: prediction without causality

John Witte

Studying biological mechanisms of genetic susceptibility using causal reasoning

Brandon Pierce

Discussant

Stephanie London

2:15pm - 3:45pm

FUTURE OF EPIDEMIOLOGY: EMERGING TRENDS AND PERSPECTIVES

Nicollet D1

Chairs: Andrew Olshan and Brooke Anderson

Future of Epidemiology: What is the future of observational epidemiology?

Kirsten Bibbins-Domingo

Future of Epidemiology: Systems modeling

Magdalena Cerda

Future of epidemiology: Climate epidemiology

Brooke Anderson

Future of Epidemiology: An outlook on measurement and methods for studying social determinants

Allison Aiello

Future of epidemiology: Future of epidemiology: Infectious disease epidemiology in the 21st Century

Art Reingold

2:15pm - 3:45pm

OPEN EPIDEMIOLOGY, DATA TRANSPARENCY AND REPRODUCIBILITY: AN EGG THAT CAN'T BE UNBROKEN

Nicollet D2

Chair: Neal Goldstein

Open data: Ideology meets reality

Timothy Lash

Overcoming obstacles for data sharing within epidemiological research: Hey, it's my data!

Tonya White

A pragmatic approach for reproducible research with sensitive data

Bryan Shepherd

Using spatiotemporal models to generate synthetic data for public use

Harrison Quick

The way forward for epidemiology

Tyler VanderWeele

2:15pm - 3:45pm

BEYOND 'IS RACE A CAUSE?' - BRINGING CRITICAL RACE THEORY INTO EPIDEMIOLOGY

**Nicollet D3
Recording**

Chairs: John Pamplin II and Zinzi Bailey

If race is not biology, What is it?: Racialization, social constructs and epidemiology

Chandra Ford

The potential of critical race theory in epidemiology: Using historical imagination to construct counterfactual racial formation and dynamics

Zinzi Bailey

Embodying racism: Empirical evidence from the United States and Brazil

Sharrelle Barber

Discussant

John Pamplin II

2:15pm - 3:45pm

SPOTLIGHT ON AGING IN POSTMENOPAUSAL WOMEN: TWENTY-FIVE YEARS OF RESEARCH IN THE WOMEN'S HEALTH INITIATIVE (WHI)

Lakeshore A

Chair: Hailey Banack

Leveraging old data for new insight into the obesity-cardiometabolic health relationship

Andrew Odegaard

Diving deeper into racial disparities: unique opportunities in WHI

Wendy Barrington

Using intensive longitudinal measures of body movement to study the link between sedentary behaviors and incident CVD, diabetes and mortality

John Bellettiere

Can small bugs create big problems? Understanding the relationship between the microbiome and aging in postmenopausal women

Hailey Banack

Discussant

JoAnn Manson

Discussant

Jean Wactawski-Wende

2:15pm - 3:45pm

IEPIDEMIOLOGY: INNOVATIVE EXPOSURE AND OUTCOME ASSESSMENT USING ADVANCED TECHNOLOGIES

Lakeshore B

Chairs: Keewan Kim and Carrie Nobles

Leveraging data collected using a digital mobile app to improve women's health: the Ovia Health experience

Danielle Bradley

HealthWatch 360: Mobile app for population and interventional nutrition

Christina Troutner

A new tool for epidemiological research: MyExposome silicone wristbands

Marc Epstein

3:45pm - 4:15pm

Break and Poster Viewing

Exhibit Hall

CONCURRENT CONTRIBUTED SESSION 4

4:15pm - 5:45pm

THEORY AND PRACTICE

Nicollet A
Recording

Chairs: Eleanor Murray and Penelope Howards

Toward a clearer definition of selection bias

Haidong Lu

Bias from incomplete case ascertainment in studies examining the transition from pediatric to adult-centered cardiac care in young adults with congenital heart disease: Results from the Colorado Congenital Heart Disease (COCHD) surveillance system

Lindsey M. Duca

Simple sensitivity analysis for selection bias

Louisa H. Smith

An inverse probability weighting approach to correct for left truncation

Paul N. Zivich

An interval estimation approach to selection bias in observational studies

Matthew Tudball

4:15pm - 5:45pm

CARDIOVASCULAR DISEASE EPIDEMIOLOGY: INNOVATIVE METHODS AND NOVEL RISK FACTORS

Nicollet BC

Chair: Ryan Demmer

Longitudinal population-level health-related fitness patterns in New York City public school children and adolescents 2006-2017

Emily D'Agostino

Plasma Trimethylamine-N-Oxide and impaired glucose regulation: Results from The Oral Infections Glucose Intolerance and Insulin Resistance Study (ORIGINS)

Sumith Roy

The impact of growth differentiation factor 15 (GDF-15) on coronary artery disease breast and colorectal cancer risk: A Mendelian randomization study

Shiu Lun Au Yeung

Association of life's simple 7 with atrial fibrillation burden in the Atherosclerosis Risk in Communities (ARIC) Study

Wendy Wang

Cross-omics mediation in Epidemiology: Moving beyond biomarkers and into molecular mechanisms

Jessica Laine

Testosterone therapy and risk of venous thromboembolism among men without hypogonadism

Rob Walker

4:15pm - 5:45pm

IMPACT OF NOVEL RISK FACTORS ON WOMEN'S HEALTH ACROSS THE LIFECOURSE

Nicollet D1

Chairs: Dale Sandler and Alexandra White

Identifying environmental agent profiles associated with early menarche among U.S. adolescent girls: A machine learning approach

Sabine Oskar

Association of early abuse with plasma metabolomics in middle-aged women

Tianyi Huang

The modifying effect of social support on the association between neighborhood violence exposure and preterm birth

Timothy Ihongbe

A prospective ultrasound study of cigarette smoking and risk of uterine leiomyoma

Amelia K. Wesselink

Oral contraceptive use and incidence of early natural menopause

Christine R. Langton

The association between women's inter-birth intervals and cardiovascular mortality

Yiska Loewenberg Weisband

4:15pm - 5:45pm

SUBSTANCE USE EPIDEMIOLOGY WITH POLICY IMPLICATIONS

Nicollet D2

Chair: Pia Mauro

Opioid prescription use after vaginal delivery and subsequent persistent opioid use and misuse

Yanmin Zhu

Mortality among a population-based cohort of treated people with opioid use disorders following declaration of a public health emergency on opioid overdose in British Columbia Canada

Lindsay Pearce

The role of drugs in alcohol overdose: A latent class analysis among patients in residential addiction treatment in Michigan 2014-2016

Rachel E. Gicquelais

Do tobacco taxes affect coronary heart disease mortality rates differentially among black compared to white Americans?

Gregory H. Cohen

Impact of state policy on opioid prescribing after common surgical procedures

Thomas P. Ahern

Understanding the effect of syringe service programs on neighborhood crime complaint rates in New York City

Michelle L. Nolan

4:15pm - 5:45pm

NUTRITION AND OBESITY

**Nicollet D3
Recording**

Chair: Dianne Neumark-Sztainer

The roles of maternal comorbidities and cesarean birth in the association between prepregnancy body mass index and severe maternal morbidity

Stephanie A. Leonard

Association of maternal vegetarian diets with neonatal anthropometry in the NICHD Fetal Growth Study

Samrawit F. Yisahak

Caffeinated beverage intake and serum caffeine metabolites and risk of pregnancy loss

Alexandra C. Purdue-Smithe

Examining disparities in food accessibility among households in Columbus Ohio: An agent-based model

Ayaz Hyder

Disordered eating behaviors and 15-year trajectories in body mass index: Findings from Project EAT

Cynthia Yoon

History of childhood maltreatment and obesogenic behaviors in early adulthood

Alison Cammack

4:15pm - 5:45pm

OCCUPATIONAL EPIDEMIOLOGY

Chair: John Beard

Lakeshore A

Mortality among oil spill response and clean-up workers 1-6 years following the Deepwater Horizon Disaster

Lydia Feinstein

Lung function in oil spill responders 4-6 years after the Deepwater Horizon disaster

Kaitlyn B. Gam

Chronic obstructive pulmonary disease mortality: The Diesel Exhaust in Miners Study (DEMS)

Jacqueline Ferguson

Health effects of silica in the setting of mixed dust exposures in taconite mining

Nnaemeka U. Odo

Occupational pesticide use and risk of renal cell carcinoma in the Agricultural Health Study

Gabriella Andreotti

Maternal occupational oil mist exposure and birth defects - United States 1997-2011

Miriam Siegel

4:15pm - 5:45pm

SEX DIFFERENCES IN EPIDEMIOLOGY

Chair: Stephen Gilman

Lakeshore B

Ambient air pollution during preconception and peri-implantation and odds of male versus female live birth

Carrie Nobles

The impact of household socioeconomic changes during the Great Recession on children's biomarkers

Erica Reinhard

Considering race gender disability and the discipline gap

Karishma Furtado

Workplace gender composition and treatment for depression among blue-collar workers in the U.S. aluminum industry

Holly Elser

Sex steroid hormones and asthma in a nationwide study of US adults

Yueh-Ying Han

The effect of neighborhood perception on the divergence between chronological and DNA methylation age

Tarek M. Zikry

6:00pm - 7:00pm

Poster Session 3 & Reception (cash bar)

Exhibit Hall

7:00pm

Alumni Reunions (Contact your Institution for Details)

Friday, June 21, 2019

7:00am - 8:00am

Continental Breakfast

Exhibit Hall

7:30am - 1:15pm

Registration

8:00am - 9:30am

PLENARY SESSION 3

Session Chair: Martha Werler

Nicollet ABC

Rothman Career Accomplishment Winner

Sherman James

"My African American Journey as an Epidemiologist"

Brian MacMahon Early Career Award Winner

Recording

Lauren McCullough

"In our backyard: building a career addressing disparities in breast cancer mortality"

Carol J. Hogue Mid-Career Award

Allison Aiello

"Testing the limits of mitigation measures for an influenza pandemic"

Noel Weiss and Tom Koepsell Excellence in Education Winner

Jill Norris

9:30am - 10:00am	<p>Break and Poster Viewing</p> <p>SYMPOSIA 3</p>	Exhibit Hall
10:00am - 11:30am	<p>THE BADDEST OF THE BAD: RANKING THE MOST PERNICIOUS BIASES FACING OBSERVATIONAL STUDIES Chairs: Catherine Lesko and Matthew Fox Misalignment of person-time (inappropriate time 0, immortal person-time, etc.) Robert Platt Residual confounding or unmeasured confounders Maria Glymour Information bias Matthew Fox Missing data Jessie Edwards Model misspecification Ashley Naimi Selection bias Chanelle Howe Lack of generalizability Catherine Lesko Moderator Jay Kaufman</p>	Nicollet A Recording
10:00am - 11:30am	<p>SAVING LIVES AS AN OFF-TARGET EFFECT: THE IMPACT OF ECONOMIC AND SOCIAL POLICIES ON POPULATION HEALTH Chairs: Anjum Hajat and Steve Mooney Effects of minimum wage increases on health and health behavior in working-age-adults James Buszkiewicz Health impacts of an unconditional prenatal cash transfer in the Canadian province of Manitoba Nathan C. Nickel Age differences in the effects of medical and recreational marijuana laws across the US Pia M. Mauro Local policy and firearm violence: A quasi-experimental study of the Operation Peacemaker Fellowship in Richmond, California Ellicott Matthay Discussant Arjumand Siddiqi</p>	Nicollet BC
10:00am - 11:30am	<p>FAMILY MATTERS: USING FAMILY DESIGNS TO CONTROL CONFOUNDING IN OBSERVATIONAL STUDIES Chairs: Mollie Wood and Katherine Keyes The Anna Karenina Principle in family designs Mollie Wood Paternal medication use as a negative control exposure for pregnancy drug safety studies Jackie Cohen Introducing or amplifying bias by using sibling controls: a cautionary note Thomas Frisell On subject of methods concerns in twin designs Matt McGue Discussant Katherine Keyes</p>	Nicollet D1
10:00am - 11:30am	<p>PrEPIDEMIOLOGY: INNOVATIONS IN METHODS FOR BIOMEDICAL HIV-PREVENTION RESEARCH Chair: Julia Marcus PrEP implementation: challenges and opportunities Julie Marcus Integrating electronic health record data to identify potential PrEP candidates in U.S. primary care settings Douglas Krakower</p>	Nicollet D2

Super learning vs. traditional approaches for targeting PrEP in rural East Africa

Laura Balzer

Innovations and opportunities in modeling HIV PrEP: network-based targeting, co-circulating STIs, racial and geographic disparities, and long-acting formulations

Samuel Jenness

Bridging clinical trials data to estimate public health impact for novel PrEP delivery methods

David Glidden

10:00am - 11:30am

POPULATION-BASED INTER-GENERATIONAL STUDIES

Chair: Enrique Schisterman

Inter-generational effects of maternal dietary and lifestyle behaviors on reproductive health of the offspring

Sunni Mumford

Multi-generational association between smoking during pregnancy and ADHD

Gyeyoon Yim

Methodological considerations and challenges in the analysis of population-based inter-generational studies

Sebastien Haneuse

**Nicollet D3
Recording**

10:00am - 11:30am

NOVEL AND INNOVATIVE MEASURES OF FETAL GROWTH AND DEVELOPMENT

Chair: Anne Marie-Jukic

Novel tools for measuring fetal and placental growth: 3D ultrasound as validated by MRI measurements

Anne Eskild

What to measure? Fetal growth and fetal growth velocity in relation to preterm delivery, preeclampsia and birthweight

Katherine Grantz

Analyzing fetal growth data with Individualized Growth Assessment (IGA): A more accurate and sensitive method for detecting growth restriction

Russell Deter

Why stop at birth? Building ethnically-diverse standards for fetal plus infant growth

Jason Gardosi

Lakeshore A

10:00am - 11:30am

IS IT MY BRAIN OR MY SENSES? MEASURING AND INTERPRETING COGNITIVE FUNCTIONS IN THE CONTEXT OF SENSORY DEFICIT

Chairs: Alison Abraham and Bonnie Swenor

Do I really need to worry about this and why? Understanding the relationship between sensory impairment and cognitive outcomes

Frank Lin

Apples and oranges. Inconsistencies in assessing cognitive functioning in individuals with sensory impairment

Bonnie Swenor

Who gets tested? Selection issues and missing data in cognitive function testing in individuals with sensory impairment

Jennifer Deal

What am I measuring? Disentangling cognitive status from sensory impairment

Alden Gross

The horizon: how to get better at assessing cognitive function in individuals with sensory impairment

Walter Wittich

Lakeshore B

11:30am - 12:00pm

Break

PROFESSIONAL DEVELOPMENT SESSIONS

12:00pm - 1:00pm

HOW TO FIND A POSTDOC

Chair: Maria Glymour

Panelists:

Maria Glymour

Enrique Schisterman

Matt Kiang

Sharrelle Barber

**Nicollet A
Recording**

12:00pm - 1:00pm	<p>ASK ANYTHING Chairs: Chantel Martin and Whitney Robinson Panelists: Dylan Galos Michael Oakes M. Kumi Smith Rachel Widome</p>	Nicollet D1
12:00pm - 1:00pm	<p>DIVERSITY AND INCLUSION Chair: Martha Werler Panelists: Salma Abdalla Francelyne Jean-Baptiste Elisa Jean-Baptiste Charles Branas</p>	Nicollet D2
12:00pm - 1:00pm	<p>DISSERTATION SURVIVAL SKILLS Chair: Katherine Keyes Panelists: John Jackson Chanelle Howe Katherine Keyes Ashley Naimi Holly Elser</p>	Nicollet D3 Recording
1:00pm	<p>Meeting Adjourns See you in Boston - June 16-19, 2020</p>	