UNC @ ICPE

The Pharmacoepidemiology Program, UNC Gillings School of Global Public Health
Presentations at the 39th International Conference on Pharmacoepidemiology &
Therapeutic Risk Management, *ICPE Halifax, Canada – August 23-27, 2023.*

SKILLS COURSES

Date, Time & Location	Session Type	Session
Aug 23 (8:30AM-12:30PM) *Location: Argyle 1*	Wednesday Morning Skills Courses	Pharmacoepidemiologist's Toolbox for Professional Empowerment **Juan Hincapie-Castillo**, Caitlin Knox, Vincent Lo Re III, Mary Beth Ritchey, Robert Platt
Aug 23 (2:00PM-6:00PM) *Location: Argyle 1*	Wednesday Afternoon Skills Courses	Intermediate Pharmacoepidemiology: Approaches to Unmeasured Confounders **Michele Jonsson Funk**, **Jennifer L. Lund**, Sudha Raman, Mugdha Gokhale, **Til Stürmer,** Jessica Young
Aug 24 (8:30AM-12:30PM) *Location: MR501/502*	Thursday Morning Skills Courses	New Frontiers for Pharmacoepidemiology: Using New and Mixed Methods for Data Collection Nancy Dreyer, Christina Mack, William Dixon, **Nabarun Dasgupta**

SYMPOSIA/WORKSHOPS

Date, Time & Location	Session
Aug 25 (10:30AM-12:00PM) *Location: Argyle 2*	Data to Action: Leveraging Drug Utilization Research to Shift Clinical Practice and Health Policy *Mina Tadrous, Lotte Rasmussen, **Juan Hincapie-Castillo**, Gillian Caughey*
Aug 26 (4:15PM – 5:45PM) *Location: Argyle 1*	Building Consensus on RWE Evaluation: Standardized Tool for Assessing Validity in RWE Studies of Medication Safety and Effectiveness *Katsiaryna Bykov, Jessica Franklin, Cynthia German, **Jennifer L. Lund**, Elisabetta Patorno*
Aug 26 (4:15PM – 5:45PM) *Location: Argyle 2*	From Classic to Cutting Edge: Addressing Data Quality Challenges in Electronic Health Record Data **Michele Jonsson Funk**, Hythern Sidky, Anne-Marie Meyer, Jennifer Fusco
Aug 27 (10:30AM-12:00PM) *Location: Argyle 3*	Emulation of a Target Trial in Pregnancy: Learning from the Chronic Hypertension and Pregnancy (CHAP) Trial *Gretchen Bandoli, Erin Delker, **Mollie Wood**, Sascha Dublin, Sarah Osmundson*

ORAL PRESENTATIONS

Date, Time & Location	Presentation
Due Before, During, and After Pregnancy	
Aug 25 (2:15PM-2:30PM) *Location: Argyle 2*	New Long-Acting Reversible Contraceptive Insertions More Than Doubled Among a Commercially Insured, U.S.-Based Outpatient Population from 2010 to 2020 **Chase Latour, Clara Busse, Mekhala Dissanayake, Sara Dejene, Andrea Knittel, Mollie Wood, Alan Kinlaw**
Lightning Session 1	
Aug 25 (5:30PM-5:35PM) *Location: Argyle 3*	Depressive Symptoms and Polypharmacy Among Adults: A Population-Based Analysis Using National Health and Nutrition Examination Survey (NHANES) Data **Elyse Miller, Michele Jonsson Funk**
Mixing up the Methods in Drug Utilization Research	
Aug 25 (5:30PM-5:45PM) *Location: MR201*	Using Day-Level Registry Data to Assess Heterogeneous and Time-Varying Medication Exposure Patterns in Patients Receiving Long-Term Outpatient Antibiotic Therapy, 2015-2022 **Madison (Maddy) Ponder, Renae Boerneke, Asher Schranz, Michael Swartwood, Claire Farel, Alan Kinlaw**
Let Us Give it a Trial: Methods in PE	

ORAL PRESENTATIONS

Aug 26 (8:00AM-8:15AM) *Location: MR109*	Conditions for Unbiased Complete Case Analysis in External Control Arms: A Simulation Study Michael Webster-Clark, **Jessie Edwards**, Rachael Ross

Liver and Pregnancy Research Gone Viral

Aug 26 (9:00AM-9:15AM) *Location: MR201*	Comparative Effectiveness of the Levonorgestrel (LNG) Implant and Depot Medroxyprogesterone Acetate (DMPA) Injectable for Prevention of Pregnancy among Women Living with HIV on Efavirenz ***Katie Mollan, Daniel Westreich, Brian Pence,** Agatha Bula, Clara Lemani, **John Chapola, Jennifer Winston, Karen Diepstra, Jill Hagey, Sam Phiri,** Jane Chiwoko, **Mina Hosseinipour, Michael Hudgens, Mackenzie Cottrell, Jennifer Tang***

Self-Controlled and Other Methods Stuff

Aug 27 (9:15AM-9:30AM) *Location: MR201*	An analytic method to weight longitudinal treatment patterns for visualization with Sankey diagrams *Catherine Wiener, M Alan Brookhart*

Pharmacoepi Toolbox for Confounding Control

Aug 27 (9:45AM-10:00AM) *Location: Argyle 2*	Using Inverse Odds Weights to Separate Modification from Better Confounding Control When Restricting on Covariates *Michael Webster-Clark, **Jennifer Lund, Qoua Her, Charles Poole,** Kenneth Rothman, Robert Glynn, **Til Stürmer***

Massive Mabs

Aug 27 (1:45PM-2:00PM) *Location: MR201*	A Pilot Evaluation of Switchback from Biosimilars to Originator-Biologics in the Veterans Affairs Population: A Signal of Biosimilar Failure? *Kelly Bryan, **Qoua Her,** Diane Dong, Rong Jiang, Jennifer Martin, Fran Cunningham*

What Can Be Learned From Machines

Aug 27 (2:15PM-2:30PM) *Location: MR202*	High-dimensional Iterative Causal Forest (hdiCF): a Novel Algorithm for Subgroup Identification in Claims Data ***Tiansheng Wang, Virginia Pate, John Buse,** Richard Wyss, **Til Stürmer***

POSTERS PRESENTATIONS

Poster Session A – August 25, 2023

Spotlight Poster: Health Equity
The Use of Computational Phenotypes Within Electronic Healthcare Data to Identify Transgender People: A Narrative Review
***Theo Beltran,** Elle Lett, **Tonia Poteat,** Kathleen Thomas, Brian Pence, Erin Carey, Juan Hincapie-Castillo*

Spotlight Poster: Vaccines
Vaccine patterns among older adults diagnosed with Guillain-Barré Syndrome and matched counterparts with Medicare insurance, 2006-2019
Samantha Eiffert, Alan Kinlaw, Betsy Sleath, Carolyn Thorpe, Rebecca Traub, Sudha Raman, Til Stürmer

Spotlight Poster: Medications in Pregnancy and Lactation
Antidepressant Utilization Before and After Initiation of Prenatal Care Among Commercially Insured Pregnant Women in the United States
Oluwasolape (Sola) Olawore, Elizabeth Simmons, Virginia Pate, John Buse, Til Stürmer, Mollie Wood

Mapping of ICD-9 codes to ICD-10 for commonly assessed comorbidities in claims database studies
Sara Dejene, Emilie Duchesneau, Virginia Pate, Michele Jonsson Funk

Real World Effectiveness of Anticoagulation in Hospitalized COVID-19 Patients using High-Resolution EHR Data in the Presence of Time-Varying Confounding: Out with the Old, In with the New
*Kristen Hansen, Eileen Lee, Steve Makkar, **Yu Raymond Shao**, Kenneth Wilkins, **Michele Jonsson Funk**, Soko Setoguchi, Hythem Sidky*

Adapting the prevalent new-user study design to evaluate the effects of drug discontinuation: A simulation study
***Qoua Her,** Kenneth Rothman, **Charles Poole, Til Stürmer,** Robert Glynn, **Jennifer Lund,** Michael Webster-Clark*

Risk of Post-Acute Sequelae of COVID (PASC) Among Patients With Type 2 Diabetes Mellitus on Various Anti-Diabetic Drug Classes
Adapting the prevalent new-user study design to evaluate the effects of drug discontinuation: A simulation study
Oluwasolape (Sola) Olawore,** Lindsey Turner, Michael Evans, Steven Johnson, Jared Huling, Carolyn Bramante, **John Buse, Til Stürmer

Visualizing Discrepancies Between a Body of Trials and a Real-World Population: An Example from the COVID-19 Pandemic *Joyce Pak, Jennifer Lund, Alexander Keil, Daniel Westreich, Til Stürmer, David Wohl, Claire Farel, Bradley Drummond,* *Michael Webster-Clark*
Leveraging External Validation Data to Address Misclassification: The Challenge of Transporting Misclassification Probabilities. Rachael Ross, **Stephen Cole, Paul Zivich, Jessie Edwards, Daniel Westreich, Julie Daniels, Jeffrey Stringer**
Evaluating uptake of lung cancer screening in the United States (US) from 2017-2021 *Claire (I-Hsuan) Su, Louise Henderson, Jennifer Lund*
Metformin and Risk of Dementia: Real World Evidence *Tiansheng Wang, John Buse, Virginia Pate, Qoua Her, Til Stürmer*
Poster Session B – August 26, 2023
Spotlight Poster: Cell & Gene Therapy A Framework for Considering Regulatory Likelihood of Acceptance of a Single-Arm Trial *Colin Anderson-Smits,* **Disha Subramaniam,** *Rose Purcell, Olivia Ziolkowski, Cynthia Girman*
Methodological challenges for single- vs polydrug classification of drug overdose deaths *Svetla Slavova, Jana McAninch,* **Nabarun Dasgupta,** *Douglas Oyler, Patricia Freeman*
Describing Adjuvant Chemotherapy Delivery in Older and Younger Women with Early-Stage Breast Cancer Using Longitudinal Cumulative Dose *Joyce Pak, Jennifer Lund, Kirsten Nyrop, Hyman Muss*
Plans Change: A Competing Risks Analysis of Time to Unplanned Stopping of Long-Term Outpatient Antibiotic Treatment, 2015-2022 *Madison (Maddy) Ponder, Renae Boerneke, Asher Schranz, Michael Swartwood, Claire Farel, Alan Kinlaw*
Liraglutide and Risk of Dementia: Real World Evidence *Tiansheng Wang, John Buse, Virginia Pate, Qoua Her, Til Stürmer*
Poster Session C – August 27, 2023
Spotlight Poster: Drug-Drug Interaction The effect of isoniazid use for tuberculosis prevention on pregnancy incidence among women living with HIV on antiretroviral treatment and progestin-based hormonal contraception *Karen Diepstra, Daniel Westreich,* *Agatha Bula, Clara Lemani,* **John Chapola, Jennifer Winston, Katie Mollan, Jill Hagey, Sam Phiri,** *Jane Chiwoko,* **Mina Hosseinipour, Mackenzie Cottrell, Audrey Pettifor, Mollie Wood, Jennifer Tang**
Spotlight Poster: Geriatrics Validating Medicare claims-based algorithms for deprescribing of benzodiazepines using a novel linkage with electronic health records data *Jennifer Lund,* *Shahar Shmuel,* **Colleen Rice,** *Virginia Pate, Carolyn Thorpe, Laura Hanson, Josh David Niznik*
A Safety Comparison of Continuing Versus Discontinuing Triptans for Acute Migraine Treatment in Early Pregnancy *Jacob Kahrs, Lauren Kucirka, Mollie Wood*
Cardiovascular Risk Among Benign Prostatic Hyperplasia Patients Receiving Alpha Blockers and 5-Alpha Reductase Inhibitors *Oluwasolape (Sola) Olawore, Chase Latour, Jiandong Zhang, Virginia Pate, Til Stürmer, David Friedlander, Michele Jonsson Funk, Brian Jensen*

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