



**SKILLS COURSES**

Date & Time	Session Type	Session
Aug 24 (9:00AM – 12:30PM)	Saturday Morning Skills Courses	The Pharmacoepidemiologist's Toolbox for Professional Empowerment <i>Caitlin Knox, Hope Mueller, Vincent Lo Re, Lisa G. Pont, Mary E. Ritchey, Robert W. Platt, Juan M. Hincapie-Castillo</i>
Aug 25 (2:30PM – 6:00PM)	Sunday Afternoon Skills Courses	Intermediate Pharmacoepidemiology: Approaches to Unmeasured Confounders <i>Michele Jonsson Funk, Sudha R. Raman, Mugdha Gokhale, Til Stürmer, Jessica C. Young</i>

**SYMPOSIA/WORKSHOPS**

Date & Time	Session
Aug 26 (10:30AM – 12:00PM)	<b>Symposia &amp; Workshops Session: Methods in Pharmacoepidemiology</b> Estimating the Effects of Chronic Medications: Questions to Ask and Tools to Help Answer Them <i>Michele Jonsson Funk, Andrew WJ Toler</i>
Aug 26 (10:30AM – 12:00PM)	<b>Symposia &amp; Workshops Session: Geriatric Pharmacoepidemiology</b> Methodological Guidance for Real World Evidence to Assess the Effects of Deprescribing <i>Kaley N. Hayes, Joshua David Niznik, Daniela C. Moga, Matthew L. Maciejewski, Frank Moriarty, Clare M. Johnson-Applin</i>
Aug 26 (3:30PM – 5:00PM)	<b>Symposia &amp; Workshops Session: Drug Utilization Research</b> The Hidden Role of AI in Treatment Selection: Friend or Foe to the Study and Practice of Pharmacoepidemiology? <i>Harriet Dickinson, Enriqueta Vallejo-Yagüe, Kato Muyille, Juan M. Hincapie-Castillo, Danica Marinac-Dabic</i>
Aug 27 (4:15PM – 5:45PM)	<b>Symposia &amp; Workshops Session: Pregnancy and Lactation</b> Building Global Consensus on Definitions for Drug Safety Studies in Pregnancy to Improve Harmonized Evaluation of Real-World Data <i>Anne Broe, Sydney K. Willis, Eileen Dareng, Miriam Haviland, Marleen M.H.J. van Gelder, Hedvig M.E Nordeng, Mollie E. Wood, Leyla Sahin</i>
Aug 28 (10:30AM – 12:00PM)	<b>Symposia &amp; Workshops Session: Informatics</b> Using Generative AI to More Efficiently Conduct Systematic Reviews, Solve Coding Problems, and Communicate Research Findings: A Student-Led Workshop <i>Michele Jonsson Funk, Jeanny H. Wang, Clement Acheampong, Bria Carmichael, Catherine Wiener</i>

**ORAL PRESENTATIONS**

Date & Time	Presentation
<b>Methods in Pharmacoepidemiology</b>	
Aug 27 (1:45PM – 1:50PM)	Comparing Causal Estimands from a Sequential Nested Trial Emulation with a Treatment Decision Design to a Conventional Single Point Randomized Trial: A Simulation Study <i>Chase D. Latour, Catherine Wiener, Alexander Breskin, Kathleen Hurwitz</i>
Aug 28 (8:45AM – 9:00AM)	A Novel High Dimensional Approach to Assess Treatment Heterogeneity in Claims Data: Sodium-Glucose Cotransporter-2 Inhibitors (SGLT2i) vs Glucagon-like Peptide-1 Receptor Agonists (GLP1RA) on Hospitalized Heart Failure Risk <i>Tiansheng Wang, Virginia Pate, Richard Wyss, John Buse, Michael Kosorok, Til Stürmer</i>
Aug 28 (8:45AM – 9:00AM)	Claims-Based Frailty Trajectories During Adjuvant Chemotherapy Predict Long-term Mortality in Older Women with Stage I-III Breast Cancer <i>Emilie D. Duchesneau, Dae Hyun Kim, Til Stürmer, Qoua L. Her, Zhang Zhang, Alan C. Kinlaw, Zoey Song, Michele Jonsson Funk, Jennifer L. Lund</i>
Aug 28 (9:15AM – 9:30AM)	Using External Validity Methods to Improve the Precision of Effect Estimates in Subgroups <i>Michael Andrew Webster-Clark, Alan R. Ellis, Alan C. Kinlaw, Robert W. Platt</i>
Aug 28 (2:00PM – 2:15PM)	Using High Dimensional Iterative Causal Forest (hdiCF) to Identify Subgroups with Heterogeneous Treatment Effects: Glucagon-like Peptide 1 Receptor Agonists (GLP1RA) vs Sulfonylurea (SU) on Asthma Exacerbations <i>Tiansheng Wang, Virginia Pate, Richard Wyss, John Buse, Michael Kosorok, Til Stürmer</i>

ORAL PRESENTATIONS	
<b>Pharmacovigilance</b>	
Aug 27 (1:05 PM – 1:10 PM)	Methodology for Identifying Single-drug Involved Poisoning Deaths: Application to Gabapentin-involved Drug Poisoning Death Surveillance <i>Svetla Slavova, Sarah Hargrove, Holly Hedegaard, Douglas Oyler, Bruce A. Goldberger, Peter Akpunonu, Krassimir Slavov, Nabarum Dasgupta, Dana Quesinberry, Lara Daniels, William Ralston, Patricia R. Freeman</i>
<b>Safety Outcomes</b>	
Aug 27 (9:15AM – 9:30AM)	Investigating the Association between Incretin-based Therapies and Thyroid Cancer Incidence using United States Medicare Data 2007-2019 <i>Clement Acheampong, John Buse, Klara R. Klein, Lawrence T. Kim, Joshua Evron, Anna Kahkoska, Caroline A. Thompson, Virginia Pate, Peter Leese, Til Stürmer</i>
<b>Pregnancy and Lactation</b>	
Aug 28 (9:15AM – 9:30AM)	Healthy Live Births Should be Considered as Competing Events in Studies of Medication Use During Pregnancy <i>Chase D. Latour, Mark Klose, Jessie Edwards, Zoey Song, Michele Jonsson Funk, Mollie E. Wood</i>
<b>Vaccines</b>	
Aug 28 (9:15AM – 9:30AM)	Effectiveness of Recombinant Herpes Zoster Vaccine by Immune Status and Prior Receipt of Live Zoster Vaccine in Medicare Enrollees, 2018-2019 <i>Jonathan Fix, Nadja A. Vielot, Michele Jonsson Funk, Til Stürmer, David Weber, Sylvia Becker-Dreps, Jennifer L. Lund</i>

POSTER PRESENTATIONS	
<b>Poster Session A – August 26, 2024</b>	
<b>Spotlight Poster Presentations</b>	
<b>Databases</b>	
Untangling National Medicaid Data: 30 Data Quality Metrics to Support Maternal Health Studies in Two Common Data Models (ASPOT05) <i>Judith C. Maro, Sarah K. Dutcher, Lucia Menegussi, David Money, Bradley G. Hammill, Michael Stagner, Lauren Zichittella, Justin Vigeant, Laura A. Shockro, Christine Halbig, Steve Lippmann, Julie M. Donohue, Almut G. Winterstein, Jon D. Duke, D. Keith Branham, Emily R. Pfaff, James Mork, Nick Williams</i>	
<b>Environmental Pharmacoepidemiology</b>	
Climate Vulnerability and Utilization of Electricity-dependent Durable Medical Equipment among Medicare Beneficiaries in North Carolina (ASPOT34) <i>Jeanny H. Wang, Ngan Le, Joyce Pak, Amy Lowman, Bradford E. Jackson, Arrianna Marie Planey, Eboneé N. Butler, Jennifer L. Lund</i>	
Evaluating the Intersection of Climate Vulnerability and Cancer Burden in North Carolina (ASPOT40) <i>Joyce Pak, Jeanny H. Wang, Arrianna Marie Planey, Eman Metwally, Amy Lowman, Bradford E. Jackson, Eboneé N. Butler, Jennifer L. Lund</i>	
<b>Poster Presentations</b>	
<b>Biologics and Conditions Treated with Biologics</b>	
Enhanced Pharmacovigilance to Contextualize 13 Years of Monitoring: The Gilenya Pregnancy Registry put in Perspective with the Fingolimod PRegnancy outcomes Intensive Monitoring (PRIM) Program (011) <i>Lisa M. Prach, Kerstin Hellwig, Hugh Tilson, Swetha Krishna Gummuluri, Bita Rezaallah, Thomas M MacDonald, Helmut Butzkueven, Sandra Vukusic, Valentine Jehl</i>	
Safety Events in Patients with Polyarticular-Course Juvenile Idiopathic Arthritis Exposed to Tofacitinib (Xeljanz) or Biologics: Real-World Data from the CARRA Registry (035) <i>Li Wang, Sampada Gandhi, Anne Denny, Rajiv Mundayat, Annette Diehl, Ivana Vranic, Stephen Balevic, Colleen Correll, Mary Beth Son, Eveline Wu, Thomas Phillips, Muhammad Younus, Janske Aarts, Timothy Beukelman, For The CARRA Registry Investigators</i>	
<b>Cancer</b>	
Patterns of Underreporting of Enrollment Dates in Cancer Clinical Trials: A HemOnc Knowledgebase Analysis (072) <i>Jeremy Warner, Gaurav Goyal, Sandeep Jain, Andrew Cowan, Libby Davis, Bhagirathbhai Dholaria, Talal Hilal, Wayne Liang, Gabrielle Masse, Sanjay Mishra, Aleenah Mohsin, Aidan Petrovich, Irbaz Riaz, Alex vanHelene, Peter Yang, Sam Rubinstein</i>	
<b>Poster Session B – August 27, 2024</b>	
<b>Spotlight Poster Presentations</b>	
<b>Health Equity</b>	

## POSTER PRESENTATIONS

Interpreting Effect Estimates across Racial and Ethnic Categories in Propensity Score-Based Analyses: An Application in US Medicare Beneficiaries Initiating Antidiabetic Medications (BSPOT05)

*Alan C. Kinlaw, Michael Andrew Webster-Clark, Alan R. Ellis, Michele Jonsson Funk, Emilie D. Duchesneau, Jennifer L. Lund, Keturah R. Faurot, Amarnath Marthi, Qoua L. Her, Clement Acheampong, Virginia Pate, Til Stürmer*

### Medications in Pregnancy and Lactation

Estimating the Risk of Gestational Diabetes Mellitus Associated with Antidepressant Continuation During Pregnancy Using a Treatment Decision Study Design (BSPOT19)

*Oluwasolape Olawore, Virginia Pate, John Buse, Til Stürmer, Mollie E. Wood*

### RWE Collaborative

The Effect of Sodium Glucose Cotransporter-2 Inhibitors on HbA1c Variability and Acute Kidney Injury: A Causal Mediation Analysis (BSPOT47)

*Dongze Ji, Tiansheng Wang, Til Stürmer, Sherin Ismail, Shujie Dong, Peng Shen, Hongbo Lin, Luwen Shi, Xiaodong Guan, Yang Xu*

## Poster Presentations

### Diabetes

Assessing the Utility of Claims for Haemoglobin A1c Performance Measures in Characterizing Glycemic Control in Older Adult Medicare Beneficiaries with Diabetes (035)

*Amarnath Marthi, Alan C. Kinlaw, Qoua L. Her, Alan R. Ellis, Emilie D. Duchesneau, Clement Acheampong, Elyse Miller, Virginia Pate, Til Stürmer, Charles Poole, Michele Jonsson Funk*

### Geriatrics

Developing a Novel Claim-based Algorithm to Identify Incident and Prevalent Dementia Using Medicare Claims of the Atherosclerosis Risk in Communities (ARIC) Cohort (100)

*Virginia Pate, Tiansheng Wang, Dae Hyun Kim, Melinda Power, Gwenn Garden, Priya Palta, David Knopman, Michele Jonsson Funk, Til Stürmer, Anna Kucharska-Newton*

Older US Adults Refilling Potentially Inappropriate Medications after Hip Fracture (129)

*Meng Pan, Virginia Pate, Keturah R. Faurot, Qoua L. Her, Emilie D. Duchesneau, Elyse Müller, Til Stürmer*

The Prevalent New-user Study Design: A Novel Application to Estimating the Average Treatment Effect of Statin Discontinuation on Mortality among Traditional Medicare Beneficiaries Who Discontinued Statins (143)

*Qoua L. Her, Til Stürmer, Emilie D. Duchesneau, Keturah R. Faurot, Jennifer L. Lund, Charles Poole, Alan R. Ellis, Virginia Pate, Jeanny H. Wang, Zoey Song, Clement Acheampong, Michael Andrew Webster-Clark*

### Methods

Comparing Publicly Available Methods for Assessing Covariate Balance Using Standardized Differences after Implementation of Weighting Strategies (174)

*Amarnath Marthi, Virginia Pate, Til Stürmer, Michele Jonsson Funk*

Identifying the Average Treatment Effect in the Treated: Illustration Using the Northwest Germany Stroke Registry (187)

*Catherine Wiener, Stephen R. Cole, Tobias Kurth, Klaus Berger*

Predicting Survival Using Geriatric Assessment (GA) in Older Adults with Advanced Cancer Using Least Absolute Selection and Shrinkage Operator (LASSO) (198)

*Xiaomeng Chen, I-Hsuan Su, Stephen R. Cole, Jenna Cacciatore, Rachael Tylock, Saloni Sharma, Sharon Peacock Hinton, Sabirah Smith, Molly A. Nowels, Paul R. Duberstein, Laura C. Hanson, Supriya G. Mohile, Jennifer L. Lund*

### Pregnancy and Lactation

Associations between Diphenhydramine and Specific Birth Defects Stratified by Imputed Indication, National Birth Defects Prevention Study and Birth Defects Study to Evaluate Pregnancy Exposures (244)

*Meredith Howley, Eva Williford, Sarah Fisher, Martha Werler, Julie Petersen, Suzanne Gilboa, Craig Hansen, Elizabeth Ailes, Mollie E. Wood, Marilyn Browne*

Development of a Pregnancy Cohort in Commercial Insurance Claims Data: Evaluation of Inpatient Versus Apparent Outpatient Deliveries (254)

*Jacob C. Kahrs, Katelin B. Nickel, Michael J. Durkin, Sascha Dublin, Sarah Osmundson, Dustin Stwalley, Mollie E. Wood, Elizabeth A. Suarez, Anne M. Butler*

Finding the Forest in the TreeScan: A Big Data Driven Approach to Screening Drug Use in Pregnancy (265)

*Megan Wiley, David V. Cole, Inna Dashevsky, Katie Haffenreffer, Earl J. Morris, Elizabeth Siranosian, Nicole E. E. Smolinski, Thuy N. Thai, Yanning Wang, Yehua Wang, Audrey Wolfe, Celeste LY Ewig, Elizabeth A. Suarez, Sonja A. Rasmussen, Almut G. Winterstein, Judith C. Maro*

### Vaccines

Multimodal Surveillance and the Importance of Enabling Gender-based Risk Stratification Capabilities in Real World Data (348)

*Olivia Mahaux, Kaylen Brzozowski, Gregory Powell, Keele Wurst, Margaux Meilhac, Darmendra Ramcharran, Andrew Bate*

## POSTER PRESENTATIONS

### Poster Session C – August 28, 2024

#### Spotlight Poster Presentations

##### Adherence

Gender Differences in Statin Persistence across Racial and Ethnic Groups among Persons with HIV in the United States (CSPOT02)

*Thibaut Davy-Mendez, Adam Moskowitz, Heidi Crane, Stephen Berry, Joseph Eron, Katerina Christopoulos, Kenneth Mayer, Edward Cachay, George Yendewa, Carol Golin, Sonia Napravnik, Ross Simpson*

##### ASPEN

Multinational Prescribing Trends of Lithium from 2001 to 2019: A Retrospective Observational Study Using Population-Based Databases from 17 Countries and One Special Administrative Region (CSPOT14)

*Adrienne Chan, Shahram Bahmanyar, Greta A. Bushnell, Bruce Carleton, Amy Hai Yan Chan, Sharon Cook, Stephen Crystal, Kari Furu, Patricia Garcia, Rosa Gini, Jeff Harrison, Ulrike Haug, Christine Hsu, Harpa Lind Jónsdóttir, Joe Kai, Øystein Karlstad, Ju Hwan Kim, Kiyoshi Kubota, Edward Chia-Cheng Lai, Wallis Lau, Kathy Li, Géric Maura, Anke Neumann, Virginia Pate, Anton Pottegård, Nadeem Qureshi, Lotte Rasmussen, Johan Reutfors, Elizabeth E Roughead, Leena Saastamoinen, Tsugumichi Sato, Oliver Scholle, Catharina C. M. Schuiling-Veninga, Chin-Yao Shen, Ju-Young Shin, Til Stürmer, Katja Taxis, Marco Tuccori, Helga Zoega, Kenneth KC Man, Ian Chi Kei Wong*

#### Poster Presentations

##### Gastrointestinal Conditions and Treatments

Compared to Thiopurines and Tumor Necrosis Factor Inhibitors Novel Biologics Are Associated with Reduced Risk of Non-Melanoma Skin Cancer among Patients with Inflammatory Bowel Disease (050)

*Lauren E. Parlett, K. Paige Ball, Clare A. Pipkin, Michael D. Kappelman, Claire Bocage, Millie Long*

Dipeptidyl Peptidase-4 Inhibitors and Inflammatory Bowel Disease Risk: Impact of Study Design Differences on Treatment Effect (051)

*Tiansheng Wang, Jeanny H. Wang, Zoey Song, Elyse Miller, Qoua L. Her, Jeff Yang, Sarah H.R. Charlier, Virginia Pate, Pascal Egger, Edward L. Barnes, Claudia Becker, Christoph R. Meier, Susan Jick, Til Stürmer*

##### Health Equity

Measuring Health Trends of Transgender People Using Real World Data in the United States (109)

*Theo G. Beltran, Tonia Poteat, Kathleen Thomas, Jennifer L. Lund, Brian Pence, Shabbar Ranapurwala*

##### Opioids

Association between Rapid Opioid Dose Tapering and Polydrug Overdose Death among High-dose, Long-term Opioid Therapy Recipients in North Carolina between 2006-2018 (202)

*Zoey Song, Bethany L. DiPrete, Naoko Fulcher, Vanessa Miller, Pasangi Perera, Brian Pence, Shabbar Ranapurwala*

*Funding to support student presentations at ISPE Annual Meeting is provided, in part, by the Center for Pharmacoepidemiology, Department of Epidemiology, UNC Gillings School of Global Public Health, whose current members are Abbvie, Astellas, Boehringer Ingelheim, GlaxoSmithKline, Sarepta Therapeutics, Takeda, and UCB.*



#### Connect with us! **UNC Pharmacoepidemiology**

Facebook: [facebook.com/UNCPharmacoepidemiology](https://www.facebook.com/UNCPharmacoepidemiology)

LinkedIn: [UNC Pharmacoepi](https://www.linkedin.com/company/unc-pharmacoepi)

Website: <https://pharmacoepi.unc.edu/>

#### **UNC DPOP**

Facebook: [facebook.com/UNCdpop](https://www.facebook.com/UNCdpop)

