



PRE-CONFERENCE EDUCATIONAL SESSIONS

Date & Time	Room	Session
Thursday, Aug 23 8:30 AM – 12:30 PM	South Hall C	Intermediate Pharmacoepidemiology: Approaches to Unmeasured Confounding <ul style="list-style-type: none"> ▪ Use of Study Design to Control Unmeasured Confounding, Jennifer Lund ▪ Analytic Approaches to Unmeasured Confounding, Til Stürmer, Jennifer Lund, Michele Jonsson Funk ▪ Interactive Case Study, Michele Jonsson Funk

ACADEMIC SHOWCASE

Come meet us at our table at the Academic Showcase. Thursday, Aug 23, 6:00 – 7:30 PM, Zoom/Panorama

FRIDAY, AUGUST 24. ORAL PRESENTATIONS & SYMPOSIA

Time	Session & Room	Presentation
2:30 PM	OR05 Methods: It's About Time – Congress Hall	Estimating Cumulative Risk in the Presence of Competing Events and Dependent Censoring in Pharmacoepidemiology Studies Sara Levintow, Leah McGrath and M Alan Brookhart
2:30 PM	OR11 Drugs in Pregnancy - South Hall 2A	Comparative Safety of Ondansetron Use During Pregnancy Elizabeth A Suarez, Michele Jonsson Funk
5:15 PM	OR02 Methods for Data Far and Wide – Panorama Hall	Performance of Fixed and All-Available Look-Back Approaches in Claims Database Studies: a Plasmode Simulation Mitchell M Conover, Til Stürmer, Charles Poole, Robert J Glynn, Ross J Simpson, Jr, and Michele Jonsson Funk
5:15 PM	OR18 Heart & Limbs – South Hall 2B	Sodium-Glucose Cotransporter-2 Inhibitor Use and Lower-Extremity Amputation Risk Among Commercially-Insured U.S. Patients, 2013-2015 Jeff Y Yang, John B Buse, Emily W Gower, Virginia Pate, Tiansheng Wang and Til Stürmer

FRIDAY, AUGUST 24. POSTER SESSION A, CONGRESS FOYER 2 & 3, 8AM – 6PM

Session	Poster
PO01-04 CER	Presentation 110 / BB Comparison of Propensity Score (PS) Weighting and Trimming Strategies to Reduce Variance and Bias of Treatment Effect Estimates: a Simulation Study Til Stürmer, Kenneth J Rothman, Alan R Ellis, Richard Wyss, Mitchell Conover, Mark Lunt and Robert J Glynn
PO01-08 Burden of disease	Presentation 144 / 26 Self-Reported Comorbidity, Functional Dependence and Healthcare Resource Utilization of Chronic Hepatitis C Virus Infection Patients Phyo Htoo, Ning (Jackie) Zhang and Jinghua He
PO01-10 Burden of disease	Presentation 177 / 59 Chronic Kidney Disease (CKD) in US Adults With Type 2 Diabetes (T2D) and/or Cardiovascular Diseases (CVD): a National Estimate of Prevalence by KDIGO 2012 Classification Tongtong Wang, Yuzhi Xi, Robert Lubwama and Carol Koro
PO01-10 Burden of disease	Presentation 173 / 55 Predictors of Outpatient Cardiac Rehabilitation Referral Among Hospitalized Heart Failure Patients: the Atherosclerosis Risk in Communities (ARIC) Study Sydney T Thai, Wayne D Rosamond, Anthony J Viera, Patricia P Chang, Salim S Virani, M Alan Brookhart, Montika Bush, Laura R Loehr, June Stevens and Anna Kucharska-Newton
PO01-11 Data Linkage	Presentation 185 / 67 Linking Electronic Health Data in Pharmacoepidemiology: Guidance for Assessing Appropriateness and Feasibility Donna R Rivera, Mugdha N Gokhale, Matthew W Reynolds, Elizabeth B Andrews, Danielle Chun, Kevin Haynes, Michele Jonsson Funk, Kristine E Lynch, Jennifer L Lund, Helen Strongman and Sudha R Raman
PO01-15 Drug Utilization	Presentation 221 / 103 Predictors of Tyrosine Kinase Inhibitor Treatment for Chronic Myeloid Leukemia Ashley L Cole, William A Wood, Benyam Muluneh, Jennifer L Lund, Jennifer Elston Lafata and Stacie B Dusetzina

PO01-16 Drug Utilization	Presentation 234 / 116 When Prescriptions Fall Short: Using CPT Codes to Augment Warfarin Prescriptions in Claims Michael A Webster-Clark, Jennifer Lund and Virginia Pate
PO01-17 Informatics	Presentation 238 / 120 An Application of Machine Learning for the Refinement of an EHR-Derived Cohort Sarah R Hoffman, Emily R Pfaff and Wanda K Nicholson
PO01-19 Methods-Validation	Presentation 264 / 146 A Flexible Approach to Evaluating the Validity of Commonly Used Claims-Based Cancer Algorithms Monica D'Arcy, Til Stürmer and Jennifer L Lund
PO01-19 Methods-Validation	Presentation 276 / 158 Predicting Out-Of-Hospital Death Using Insurance Claims Data Jessica C Young, Debra E Irwin, Ashley L Cole, Virginia Pate and Michele Jonsson Funk
PO01-19 Methods-Validation	Presentation 280 / 162 Determining Infant Age From Administrative Claims Data Without Birth Date: a Validation Study Julia B Ward, Casey Pierce, John Lim, Brian R Matlaga and Lydia Feinstein
PO01-25 Drug Utilization	Presentation 343 / 225 Changes in Diabetes Medication Adherence in Older Cancer Patients versus Matched Cancer-Free Cohorts: a Difference-In-Difference Analysis Jennifer L Lund, Ke Meng, Benjamin Y Urick, Krutika Amin, Stephanie B Wheeler, Katherine E Reeder-Hayes and Justin G Trogdon
PO01-26 Methods to avoid bias and confounding	Presentation 360 / 242 Multiple Imputation of Clinical Variables in FFS Medicare Population Tiansheng Wang, Emily W Gower, Jennifer L Lund, Michele Jonsson Funk, Virginia Pate, John B Buse and Til Stürmer

SATURDAY, AUGUST 25. ORAL PRESENTATIONS & SYMPOSIA

Time	Session & Room	Presentation
8:00 AM	ORO3 Diversity in Design: A Mismatch of Methods – Congress Hall	Variation in Risk Estimates From Different Cohort Selection Strategies When Using Recurrent Index Events Henry T Zhang, Mitchell M Conover and Til Stürmer
8:00 AM	OR10 Advances in Vaccine Safety Monitoring – Panorama Hall	Effectiveness of Prenatal Tdap in the Prevention of Infant Pertussis in the US Sylvia Becker-Dreps, Anne M Butler, Leah J McGrath, Kim A Boggess, David J Weber, Dongmei Li, Michael G Hudgens and J. Bradley Layton
8:15 AM	ORO3 Diversity in Design: A Mismatch of Methods – Congress Hall	Implementation of the Prevalent New User Study Design in the Us Medicare Population: Benefit versus Harm Elizabeth Garry, John B Buse, Mugdha Gokhale, Jennifer L. Lund, Virginia Pate and Til Stürmer
8:30 AM	OR33 Painful Policy – South Hall 3A	Identifying Off-Label Pharmaceutical Company Promotion of Opioids for Cancer Pain Management Shelley A. Jazowski, Stephen Patrick and Stacie B Dusetzina
9:00 AM	ORO3 Diversity in Design: A Mismatch of Methods – Congress Hall	Strategies for Selecting Start of Follow-Up in Longitudinal Studies With Multiple Eligible Index Opportunities Mitchell M Conover, Henry T Zhang, Til Stürmer, Robert J Glynn, Charles Poole and Michele Jonsson Funk
9:15 AM	ORO3 Diversity in Design: A Mismatch of Methods – Congress Hall	Implementation of the Trend-In-Trend Study Design in a Setting With Cross-Over of Preferred Treatment Choice: An Example of Second-Line Antidiabetics Phyo T Htoo, John Buse, Virginia Pate and Til Stürmer
1:15 PM	Session OR29 Geriatric Management and Measurements – South Hall 2A	Improving Claims-Based Frailty Prediction in the Medicare Population Using STOPPFrail Drug Criteria Sophie E Mayer, Virginia Pate, Laura C Hanson, Michele Jonsson Funk, Keturah R Faurot, Til Stürmer and Jennifer L Lund
1:15 PM	Session OR30 Pediatric Potpourri – South Hall 2B	Cost Effectiveness of Early Treatment in Pediatric Patients With Hepatitis C Virus Infection Joehl T Nguyen, A. Sidney Barritt, IV and Ravi Jhaveri

ANNUAL ISPE MEETING AND AWARDS CEREMONY. CONGRESS HALL, 2:35 PM - 3:30 PM

Andrew McAfee Award: *Tiansheng Wang* (senior author); **Third best student abstract:** *Suzanne Landi*
Ronald Mann Best Paper Award from PDS: *Honorable Mention: Til Stürmer* (co-author); **FISPE:** *Michele Jonsson Funk*

SATURDAY, AUGUST 25. POSTER SESSION B, CONGRESS FOYER 2 & 3, 8AM-6PM

Session	Poster
PO02-06 Study design and bias	Presentation 486 / 7 Application of the Prevalent New-User Design Among Commercially-Insured US Patients (Marketscan 2006-2015) Arti Virkud, Jeff Yang, Virginia Pate and Til Stürmer
PO02-06 Study design and bias	Presentation 493 / 14 Estimating Influenza Vaccine Effectiveness Using An Active Comparator Reduces Bias Due to Confounding by Frailty Anne M Butler, J Bradley Layton, Whitney S Krueger, Abhijit V Kshirsagar and Leah J McGrath
PO02-13 Geriatric Pharmacoepi	Presentation 634 / 155 Potential Omissions of Angiotensin Inhibition Treatment Among Older US Adults After An Acute Myocardial Infarction Marcela Jiron, Virginia Pate, Laura C Hanson, Jennifer Lund, Michele Jonsson Funk and Til Stürmer
PO02-13 Geriatric Pharmacoepi	Presentation 635 / 156 Potential Omissions of Oral Anticoagulant Among Older US Adults With Newly Diagnosed Atrial Fibrillation Marcela Jiron, Virginia Pate, Laura C Hanson, Jennifer Lund, Michele Jonsson Funk and Til Stürmer
PO02-13 Geriatric Pharmacoepi	Presentation 642 / 163 Potentially Inappropriate Medication Use and Emergency Department Visits in Older Women Diagnosed With Breast Cancer Initiating Chemotherapy Danielle S Chun, Sharon Peacock-Hinton and Jennifer L Lund
PO02-13 Geriatric Pharmacoepi	Presentation 644 / 165 Polypharmacy and Frailty in a Longitudinal Community-Based Cohort Study Shahar Shmuel, Jennifer L Lund, Carolina Alvarez, Christine D Hsu, Priya Palta, Anna M Kucharska-Newton, Amanda E Nelson, and Yvonne M Golightly
PO02-13 Geriatric Pharmacoepi	Presentation 646 / 167 Improving Population-Level PIM Exposure Metrics Using Medicare Claims Data Jennifer L Lund, Virginia Pate, Marcela Jiron, Laura C Hanson, Shahar Shmuel, Michael A Webster-Clark, Joel F Farley and Til Stürmer
PO02-14 Health Economics/Outcomes research	Presentation 679 / 200 Coverage and Out-Of-Pocket Spending on Brand versus Generic/Biosimilar Specialty Drugs in Medicare Part D Stacie B Dusetzina, Shelley A Jazowski, Ashley L Cole and Joehl Nguyen

SPOTLIGHT POSTER PRESENTATIONS, CONGRESS FOYER 3A, 11:45 PM – 12:45 PM

PO02-03 DUR/HSR	Presentation 460 / U Recent Trend of Antidiabetic Medications Use and Hypoglycemia Among T2DM in the U.S. Commercially Insured Population Gang Fang and Izabela E Annis
PO02-03 DUR/HSR	Presentation 462 / W Post-Surgical Opioid Prescriptions and Risk of Long-Term Use in the US Jessica C Young, Nabarun Dasgupta, Brooke A Chidgey and Michele Jonsson Funk

UNC ALUMNI RECEPTION Please join us for a UNC Alumni Reception on Saturday, August 25 from 6:30 – 7:30 PM (prior to the ICPE Social Evening) at the Vyšehradský restaurant Kandelábr, QUBIX Office Building, Štětkova 1638/18, 140 00 Praha 4, Czechia. Shuttle bus for the ICPE Social at Municipal House begins at 7:00 pm, Entrance 10 / Congress Centre.

SUNDAY, AUGUST 26. ORAL PRESENTATIONS & SYMPOSIA

Time	Session & Room	Presentation
8:30 AM	OR14 Drugs in Pregnancy - Metformin, vareniclin, OCs, Methods – South Hall 2A	Presentation 768 Metformin versus Insulin for Initial Treatment of Gestational Diabetes: Maternal and Neonatal Outcomes Suzanne Landi, Sarah Radke, Kim Boggess, Stephanie M Engel, Til Stürmer, Anne S Howe and Michele Jonsson Funk
8:45 AM	OR14 Drugs in Pregnancy - Metformin, vareniclin, OCs, Methods – South Hall 2A	Presentation 769 Child Growth and Developmental Outcomes Following In-Utero Exposure to Metformin versus Insulin for Treatment of Gestational Diabetes Suzanne N Landi, Sarah Radke, Stephanie M Engel, Til Stürmer, Kim Boggess, Anne S Howe and Michele Jonsson Funk <i>3rd Best Student Abstract</i>
10:30 AM	WK03-04 It Takes a Village Part II: Workshop – South Hall 1 A&B	Presentation 788 It Takes a Village Part II: Workshop to Reconsider Core Competencies for New Generations in the Global and Rapidly Changing Community of Pharmacoepidemiology <i>Soko Setoguchi, Paul Stang, Susana Perez-Gutthann, Frank May, Olaf Klungel, Brian Strom, Leyla Sahin, Pia Caduff, Wei Zhou, Jessica C. Young, Chien Chou Su, Laura Hester, Yanmin Zhu, Carolyn Cesta, Mohammed Zabiuddin Ahad, Daniel Horton, Sonia Hernandez-Diaz</i>

1:45 PM	OR36 Safety in Numbers – South Hall 3A	Presentation 822 Association Between Fluoroquinolone Use and Anterior Cruciate Ligament Injury in the United States Mackenzie M Herzog, Jennifer L Lund, Virginia Pate, Jeffrey T Spang and Stephen W Marshall
3:15 PM	Congress Hall	Hot Topics Session: New versus prevalent user designs in PE: time to get principled about when we can be pragmatic Sonia Hernandez-Diaz, Jan Vandenbroucke, Til Stürmer, Jesper Hallas

SUNDAY, AUGUST 26. POSTER SESSION C, CONGRESS FOYER 2A, 8AM – 1:45 PM

Session	Poster
PO03-08 Drug Utilization - Other	Presentation 909 / 44 Patterns of Hormonal Contraceptive Use in the Self Cohort Sarah R Hoffman, Jennifer S Smith, Donna D Baird and Quaker E Harmon
PO03-10 Drug Utilization - Quality of use of medicines	Presentation 978 / 113 Slow Adoption of New Evidence Into Clinical Practice and Associated Factors: the Case of Duplicate Therapy With Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers Ryan P Hickson, James Terenyi, Ross J Simpson, Jr, Izabela E Annis, Keiko Bury and Gang Fang
PO03-11 Pharmacovigilance - Alimentary tract&metabolism	Presentation 981 / 116 GLP-1RAs and Risk of Diabetic Retinopathy: Analysis of the FDA Adverse Event Reporting System Database Wenchao Lu, Huilin Tang, Luwen Shi and Tiansheng Wang Andrew McAfee Award
PO03-12 Pharmacovigilance - Cardiovascular	Presentation 1026 / 161 Short Term Hdl Cholesterol (HDL-C) Decrease and Incidence of Cardiovascular (CV) Events Gema Requena, Julia DiBello, Liyuan Ma, Til Stürmer and Bradley Layton
PO03-18 Quality of life	Presentation 1074 / 209 Cost-Utility of Screening for Renal Dysfunction to Detect the Onset and Progression of Chronic Kidney Disease Among Elderly Patients Treated With Proton-Pump Inhibitors Jeff Y Yang, Emily H Chang, Stephanie B Wheeler and Evan S Dellon
PO03-22 Benefit-Risk Assessment, Communication, and Evaluation	Presentation 1129 / 264 Limitations in Reporting "Benefit-Risk" Across Therapeutic Areas in Medical Device Literature Whitney S Krueger, Jessica C Young, Kelly Hollis, A Brett Hauber, Alicia Gilsean and Mary E Ritchey

SPOTLIGHT POSTER PRESENTATIONS, CONGRESS FOYER 3A, 12:15 PM – 1:15 PM

PO03-02 Molecular Epi, Biomarkers& Pharmacogenetics	Presentation 837 / K Pharmacogenomics of HIV in East Africa: Characterizing Drug Resistant Mutations (DRMS) in the Cross-Border Integrated Health Study, 2016 Arti V Virkud, Jessie Edwards, Grace Mulholland, Milissa Markiewicz and Peter Arimi
PO03-03 Oncology	Presentation 846 / T Association of Exogenous Hormone Use with Breast Cancer Subtype Defined by Oncotype DX Recurrence Score Halei Benefield, Katherine Reeder-Hayes, Stephanie Wheeler, Lisa Carey, Andrew Olshan and Melissa Troester

Featuring collaborations with the following institutions:

Aarhus University, Denmark	IBM Watson Health	National Institute of Environmental Health Sciences	Universidad de Chile
Brigham and Women's Hospital	Indiana University	North Carolina State University	University of Auckland
Duke University	IQVIA	NoviSci	University of Manchester
Evidera	Leiden University	Peking University, China	University of Minnesota
GlaxoSmithKline	London School of Hygiene and Tropical Medicine	Rutgers Biomedical and Health Sciences	University of Southern Denmark, Odense
Harvard T.H. Chan School of Public Health	Merck	RTI Health Solutions	Vanderbilt University
Healthcore	National Cancer Institute (NCI)		Washington University

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