



**ACADEMIC
 SHOWCASE
 VIRTUAL BOOTH**

See exhibitors page (<https://eventscribe.com/2020/ICPEAllAccess/exhibitors.asp?pfp=Booth>). Search for University of North Carolina.

SKILLS COURSES

Date & Time	Access	Session
--- Nov 23 (9-10 AM)	Virtual on Demand Interactive Session	Intermediate Pharmacoepidemiology: Approaches to Unmeasured Confounding <i>Michele Jonsson Funk, Jennifer L. Lund, Sudha Raman, Mugdha Gokhale, Til Stürmer</i>

SYMPOSIA/WORKSHOPS

#	Access	Session
0010	Virtual on Demand	Use of External Data in Pharmacoepidemiology <i>Til Stürmer, Michele Jonsson Funk, Olaf Klungel, Kaatje Bollaerts</i>
01	Virtual on Demand	At the Intersection of Frailty and Pharmacoepidemiology: Foundations, Applications, and Future Directions <i>Jennifer L. Lund, Andrew Zullo, Daniela Moga, Todd Manini, Dae Kim, Scott Vouri</i>

ORAL PRESENTATIONS

#	Presentation
Drug Effectiveness	
3810	Transporting Treatment Effects from Clinical trials to Clinical Practice using a Hybrid Study Approach: The Case of Adjuvant FOLFOX Versus 5FU for Colon Cancer Treatment <i>Jennifer L. Lund, Michael Webster Clark, Alexander Keil, Daniel Westreich, Til Stürmer, Hanna Sanoff</i>
5105	Comparing Cardiovascular Benefits of Sodium Glucose Cotransporter-2 Inhibitors and Glucagon-like Peptide-1 Receptor Agonists in Older Adults with Diabetes <i>Phyo Htoo, John Buse, Tiansheng Wang, Virginia Pate, Matthew Cavender, Til Stürmer</i>
Drug Utilization Research	
2585	Longitudinal Cumulative Dose: A Novel Measure to Evaluate Multiple Dimensions of Chemotherapy Adherence Over Time <i>Michael Webster Clark, Jennifer L. Lund, Til Stürmer, Alexander Keil, Daniel Westreich, Hanna Sanoff</i>
2634	Estimating the Impact of Prescribing Limits on Prolonged Opioid Use Following Surgery <i>Jessica C. Young, Nabarun Dasgupta, Virginia Pate, Til Stürmer, Brooke A Chidgey, Michele Jonsson Funk</i>
Informatics	
4486	Using Machine Learning to Identify Heterogeneous Treatment Effects: DPP-4I Versus Sulfonylurea On Cardiovascular Outcomes in US Medicare <i>Tiansheng Wang, Alexander Keil, Michele Jonson Funk, Virginia Pate, John Buse, Richard Wyss, Michael Kosorok, Til Stürmer</i>
Methods in Pharmacoepidemiology	
2516	Two-stage G-computation: Estimating Effects of Treatment Policies from Observational Data When Treatment Information is Missing <i>Tiffany L. Breger, Jessie K. Edwards, Stephen R. Cole, Daniel Westreich, Brian W. Pence, Michele Jonsson Funk, Adaora A Adimora</i>
2582	What Quacks Like a Confounder and Walks Like an Instrument? <i>Michael Webster Clark, Charles Poole</i>
3743	Electronic Medical Records vs Insurance Claims: Comparing the Magnitude of Opioid Use Prior, During, And Following Surgery <i>Jessica C. Young, Nabarun Dasgupta, Virginia Pate, Til Stürmer, Brooke A Chidgey, Michele Jonsson Funk</i> *Student Award Recipient – Best Methods Abstract Submitted by a Student/Post-Doc

ORAL PRESENTATIONS

Pediatric Pharmacoepidemiology

- 2579 Fluoroquinolone Antibiotic Exposure and Risk of Achilles Tendon Injury in Adolescents in the United States 2000-2018
Rachael Ross, Alan C. Kinlaw, Mackenzie Herzog, Michele Jonsson Funk, Jeffrey Gerber
***Student Award Recipient – Third Best Abstract Submitted by a Student/Post-Doc**

Safety End Points

- 0043 Combined Oral Contraceptive Utilization and Uterine Fibroid Incidence in a Novel Cohort
Sarah R. Hoffman, Jennifer S. Smith, Michele Jonsson Funk, Michael G. Hudgens, Charles Poole, Wanda K. Nicholson, Donna D. Baird, Quaker E. Harmon

Pregnancy and Lactation

- 4971 Birth Control Utilization Among Mothers of Infants with an Extended Stay in the NICU
Sara Z. Dejene, Alison Stuebe, Christine Tucker, Virginia Pate, Katherine Bryant, Michele Jonsson Funk

POSTERS PRESENTATIONS

Poster

Disease Epidemiology/Clinical Course

- 2376 Antidepressant Dispensing Among Women with Breast Cancer, United States, 2001-2018
Jihye Park, Sara Dejene, Sophie E. Mayer, Alan C. Kinlaw, Hazel B. Nichols, Michele Jonsson Funk, Virginia Pate, Eliza M. Park, Katherine E. Reeder-Hayes, Jennifer L. Lund
- 2594 Methodologic Considerations for Evaluating Adherence to Oral Oncologic Therapy in a High Mortality Population
Danielle S. Chun, Blánaid Hicks, Sharon Peacock Hinton, Michele Jonsson Funk, Alexander Keil, Hung-Jui Tan, Til Stürmer, Jennifer L. Lund
- 4420 The Incidence of Acute Pancreatitis in the United States: Identification of Cases in an Electronic Healthcare Database with Supportive Laboratory Evidence
Usha Gungabissoon, Megan Delgado, Selin Cooper, Liyuan Ma, Iain Uings

Drug Effectiveness

- 4522 Comparative Effectiveness of Amoxicillin-clavulanate Versus Metronidazole and a Fluoroquinolone on Hospital Admission Risk Among Outpatient Diverticulitis Patients in the United States, 2000-2005
Charley Gaber, Alan C. Kinlaw, Jessie K. Edwards, Jennifer L. Lund, Til Stürmer, Sharon Peacock Hinton, Robert Sandler, Anne Peery

Drug Utilization Research

- 3819 Biologic Use and Persistence for Crohn's Disease After Intestinal Resection in the United States 2002-2018
Joehl Nguyen, Edward Barnes, Swetha Srinivasan, Alan C. Kinlaw
- 4087 Trends in the Use of Disease-Modifying Therapies Among Reproductive-aged Women with Multiple Sclerosis in the United States 2001-2017
Emilie D. Duchesneau, Michele Jonsson Funk, Alan C. Kinlaw, Jennifer L. Lund
- 4127 Self-Reported Misuse of Oral Tramadol in the U.S.A.: Analysis of the National Survey on Drug Use and Health (NSDUH), 2002-2017
Thomas Rhodes, Sydney Thai, Molly Aldridge, Suzanne F. Cook, Cynthia J. Girman
- 4190 Sociodemographic and Clinical Predictors of Prescription Opioid Use in a Longitudinal Community-Based Cohort Study of Middle-Aged and Older Adults
Kristin Y. Shiue, Nabarun Dasgupta, Rebecca B. Naumann, Amanda E. Nelson, Yvonne M. Golightly
- 4528 Trends in Buprenorphine Prescribing Among Medicare Part D Providers, 2013-2017
Kristin Y. Shiue, Mary Figgatt, Yvonne M. Golightly
- 4689 Differential Missingness of Antibiotic Indications in Claims Data
Paula Strassle, Rachael Ross, Ashley Marx, Zachary Willis, Claire Farel, Alan C. Kinlaw
- 4917 Antidepressant Use and Adherence Among Breast Cancer Patients Using Tamoxifen
Sara Z. Dejene, Jihye Park, Sophie E. Mayer, Alan C. Kinlaw, Hazel B. Nichols, Michele Jonsson Funk, Virginia Pate, Eliza M. Park, Katherine E. Reeder-Hayes, Jennifer L. Lund

POSTERS PRESENTATIONS**Geriatric Pharmacoepidemiology**

2599 Anticholinergic and Sedative Drug Load Among Medicare Beneficiaries
Shahar Shmuel, Virginia Pate, Marc J. Pepin, Janine C. Bailey, Laura C. Hanson, Til Stürmer, Rebecca B. Naumann, Yvonne M. Golightly, Danijela Gnjidic, Jennifer L. Lund

4470 Identifying Fractures in Medicare Claims Before and After the ICD-9-CM to ICD-10-CM Transition
Shahar Shmuel, Virginia Pate, Yvonne M. Golightly, Laura C. Hanson, Rebecca B. Naumann, Til Stürmer, Marc J. Pepin, Janine C. Bailey, Danijela Gnjidic, Jennifer L. Lund

Informatics

4884 Explaining the Inexplicable: Irregularities in Electronic Health Record Derived Data
Megan Delgado, Sofia Dard, Michele Jonsson Funk, Timothy Carey

Methods in Pharmacoepidemiology

2473 Missing Data Analysis in Multi-center Studies When Access to Person-level Data is Restricted
Qoua Her, Yury Vilks, Xiaojuan Li, Di Shu, Rui Wang, Jenna Wong, Mia Gallagher, Sengwee Toh

2581 Covariate Missingness, Complete Case Analysis, And Transportability, Oh My!
Michael Webster Clark, Jessie K. Edwards

2673 Differential Cancer Screening During Follow-up as a Source of Bias in Pharmacoepidemiology
Sophie E. Mayer, Jessie K. Edwards, Jesper Hallas, Jennifer L. Lund, Til Stürmer

2677 Prevalent New Users: When is Time Not Enough?
Michael Webster Clark, Rachael Ross

3973 Use of Sensitivity Analyses to Assess Uncontrolled Confounding in Observational, Head-to-Head Pharmacoepidemiologic Studies: A Systematic Review
Chase Latour, Charles Poole, Jessie K. Edwards, Til Stürmer, David Martin, Jennifer L. Lund, Nahleen Lopez, Michele Jonsson Funk

4356 A Picture is Worth 1000 Words: Visual Tools to Guide Transport of Trial Results to Real-World Populations
Jennifer L. Lund, Michael Webster Clark, Til Stürmer, Daniel Westreich, Hanna Sanoff, Alexander Keil
***Spotlight Poster**

4886 Validation of Diagnosis Code-Based Algorithms to Identify Metastatic Renal Cell Carcinoma Patients in Medicare Claims Data
Danielle S. Chun, Blánaid Hicks, Sharon Peacock Hinton, Alexander Keil, Hung-Jui Tan, Til Stürmer, Jennifer L. Lund

4837 Potential Bias in Matched Cohort Studies When the Referent Exposure Group Lacks a Clearly Defined Time Origin for Follow-Up
Samantha R. Eiffert, Virginia Pate, Jennifer L. Lund, Andrew W. Roberts, Til Stürmer, Alan C. Kinlaw

5005 Development and Validation of a Prediction Model for 1-Year Risk of Thromboembolism in Hemodialysis Patients with Atrial Fibrillation
Sapna Rao, Abhijit V. Kshirsagar, Alan Brookhart, Alexander Keil, Laura Loehr, Michele Jonsson Funk, Charles Poole

5082 A Systematic Review of The Use of Propensity Scores in Published Observational Research
Tiansheng Wang, Michael Webster Clark, Robert J. Glynn, Til Stürmer

Pharmacovigilance

4108 Tramadol (Oral and for Injection) Adverse Event Spontaneous Reports in the World Health Organization Programme for International Drug Monitoring Database, Vigibase: 2009-2019
Sydney Thai, Thomas Rhodes, Molly Aldridge, Suzanne F. Cook, Cynthia J. Girman

Safety End Points

2590 Newer Second-Line Glucose-Lowering Drugs Versus Thiazolidinediones And Cirrhosis Risk in Type 2 Diabetes
Jeff Y. Yang, Andrew M. Moon, Hannah Kim, Virginia Pate, Sidney A. Barritt IV, Til Stürmer, John B. Buse, Anastasia Alexopoulos

3907 Intravenous Bisphosphonate Use and 30-Day Risk of Inflammatory Bowel Disease Flare
Jeff Y. Yang, Bharati D. Kochar, Jennifer L. Lund, Hans H. Herfarth

PRESENTATIONS BY SPECIFIC RESEARCH TRACK		
Track	Oral	Poster
Disease Epidemiology/Clinical Course → Cancer		2376; 2594
Disease Epidemiology/Clinical Course → Other		4420
Drug Effectiveness	3810; 5105	4522
Drug Utilization Research → Health Policy and Governance	2634	
Drug Utilization Research → Trends and Comparisons		4087; 4127; 4190; 4528; 4917
Drug Utilization Research → Quality Use of Medicines	2585	4689
Drug Utilization Research → Other		3819
Geriatric Pharmacoepidemiology		2599; 4470
Informatics	4486	4884
Methods in Pharmacoepidemiology → Analytical Methods	2516	2581; 2673; 5005
Methods in Pharmacoepidemiology → Clinical Trial Methodology		4356
Methods in Pharmacoepidemiology → Confounding/Bias	2582	3973; 5082
Methods in Pharmacoepidemiology → Measurement Methods	3743	2473; 4886
Methods in Pharmacoepidemiology → Study Design		2677; 4837
Pediatric Pharmacoepidemiology	2579	
Pharmacovigilance → Other		4108
Pregnancy and Lactation	4971	
Safety End Points → Other	0043	2590; 3907

Funding to support student presentations at ICPE is provided, in part, by the Center for Pharmacoepidemiology, Department of Epidemiology, UNC Gillings School of Global Public Health whose current members are GlaxoSmithKline, UCB, Takeda, AbbVie, and Boehringer Ingelheim



Connect with us! UNC Pharmacoepidemiology

Facebook: facebook.com/UNCPharmacoepidemiology

Twitter: [@UNC_RxEpi](https://twitter.com/UNC_RxEpi)

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

UNC DPOP

facebook.com/UNCdpop

