**UNC @ ICPE**

*Pharmacoepidemiology Program, Gillings School of Global Public Health*

*Division of Pharmaceutical Outcomes and Policy, Eshelman School of Pharmacy*

Presentations at the 32nd International Conference on Pharmacoepidemiology & Therapeutic Risk Management

Dublin – August 24-28, 2016

|  |
| --- |
| **PRE-CONFERENCE EDUCATIONAL SESSIONS** |
| **Date & Time** | **Room** | **Session** |
| Wednesday, Aug 248:30 AM – 12:30 PM | Wicklow Hall 1 | Introduction to Pharmacoepidemiology: Case-control studies, ***Jennifer Lund*** |

|  |  |
| --- | --- |
| **ACADEMIC SHOWCASE** | Come meet us at our table at the Academic Showcase. Thursday, Aug 25, 6:00 – 7:00 PM, 3rd Floor |

|  |
| --- |
| **FRIDAY, AUGUST 26 . ORAL PRESENTATIONS, SYMPOSIA & PLENARY** |
| **Time** | **Session & Room** | **Presentation** |
| 8:30 AM | Plenary *– Auditorium* | Representative Sampling in Pharmacoepidemiology: A hot topic or hot air?***Charlie Poole****, Stephen Evans, Xavier Kurz* |
| 10:45 AM | Data Lost and Found – *Auditorium* | Classifying Patient Histories in Medicare Claims: Fixed vs. All-Available Lookbacks [32]***Mitchell M Conover****,* ***Til Stürmer****,* ***Charles Poole****, Robert J Glynn,* ***Ross J Simpson, Jr****.,* ***Michele Jonsson Funk*** |
| 11:30 AM | Data Lost and Found – *Auditorium* | Generalizing Randomized Clinical Trials: Challenges Due to Missing Data on the Target Population [35]***Jin-Liern Hong****,* ***Michele Jonsson Funk****, Robert LoCasale, Sara Dempster, Stephen R Cole,* ***Til Stürmer*** |
| 11:30 AM | Keeping an "I" in opIod Use*– Liffey Hall 1* | Opioid Tolerance Prior to Initiation of High-Dose Oxycodone in Commercially-Insured Adults in the US, 2010-2014 [29]***Jessica C Young****,* ***Jennifer L Lund****, Nabarun Dasgupta,* ***Michele Jonsson Funk*** |
| 1:30 PM | Playing Catch-up in Pediatric Pharmacoepidemiology – *Wicklow Hall 2* | Birth Cohort Effects on Overall and Subtype-Specific Antibiotic Use Among Infants Born in Denmark 2004-2012 [49]***Alan C Kinlaw****, Henrik T Sørensen,* ***Jennifer L Lund****, Lars Pedersen, Julie L Daniels, Michael D Kappelman,* ***Til Stürmer*** |
| 1:30 PM | Cancer: Around the World in Databases – *The Liffey B* | Predictors of Induction Chemoimmunotherapy Among Older US Adults with Follicular Lymphoma [43]***Laura L Hester****, Steven I Park,* ***Jennifer L Lund*** |
| 1:45 PM | Cancer: Around the World in Databases – *The* *Liffey B* | Validation of Claims-Based Definitions of Incident Colorectal Cancer (CRC) in a North Carolina (NC) Medicare Population [44]***Monica E D'Arcy****,* ***Til Stürmer****, Anne Marie Meyer,* ***Michele Jonsson-Funk****, Robert Sandler, John Baron, Melissa Troester,* ***Jennifer Lund*** |
| 1:45 PM | Patients, Prescriptions, Policy & Pennies – *Liffey Hall 2* | The Impact of State Chemotherapy Parity Laws on Use and Spending for Oral Chemotherapy [56]***Stacie B Dusetzina****, Haiden A Huskamp, Aaron N Winn, Ethan M Basch, Nancy L Keating* |
| 1:45 PM | Adherence: Staying the Course – *Liffey Hall 1* | Determinants of Antihypertensive Adherence Trajectories Among Older US Adults in the First Year After Initiation [62]***Jennifer Jones****, Carri Casteel, Yvonne Golightly, Laura Loehr,* ***Virginia Pate****, Steve Marshall,* ***Til Stürmer*** |
| 2:15 PM | Adherence: Staying the Course – *Liffey Hall 1* | Changes in Statin Adherence in Response to a Myocardial Infarction: The Impact of a Stressful Life Event on Medication Taking Behavior [64] ***Ryan P Hickson****, Izabela E Annis, Ley A Killeya Jones,* ***Gang Fang*** |
| 2:30 PM | Study Design Considerations to Address Confounding - *Auditorium* | Calendar Time as an Instrumental Variable in Assessing the Risk of Heart Failure with Antihyperglycemic Drugs [71]*Mugdha Gokhale, John B Buse, Christina Mack,* ***Til Stürmer*** |
| 2:45 PM | Study Design Considerations to Address Confounding - *Auditorium* | Propensity Score Trimming to Identify the Target Population for Comparative Effectiveness Research [72]*Robert J Glynn,* ***Til Stürmer*** |
| 2:45 PM | Cancer: Around the World in Databases– *The Liffey B* | Initiation and Adherence with Bone-Targeting Agents in US Men with Bone Metastases from Prostate Cancer [48]***Anne M Butler****, Karynsa Cetin, Rohini K Hernandez,* ***Robert A Overman****, Jungin Kim,* ***B Diane Reams****, Bradford R Hirsch, Amy P Abernethy, Alexander Liede,* ***M Alan Brookhart*** |
| 5:00 PM | Symposium – *Liffey Meeting Room 2* | Exploring Innovative Methods to Conduct Validation Using United States Medicare Administrative Claims Data [79]*Elizabeth Andrews,* ***Til Stürmer****, Leah J McGrath,* ***Michele Jonsson Funk****,* ***Jennifer L Lund****, Catherine B Johannes, Alicia W Gilsenan, Christopher Powers* |
|  |
| **FRIDAY, AUGUST 26 . POSTERS** |
| **#** | **Poster** |
| DD | PEDIATRIC SPOTLIGHT SESSION: The Impact of Birth Season on Time to First Antibiotic Use Among Infants Born in Denmark 2004-2012 [110] ***Alan C Kinlaw****, Henrik T Sørensen,* ***Jennifer L Lund****, Christina D Mack, Pedersen Lars, Julie L Daniels, Michael D Kappelman,* ***Til Stürmer*** |
| 106 | Comparing Decision Tree and Logistic Regression Methods to Identify Factors Affecting the Choice of ACEI/ARB Dose Among Elderly Patients After Acute Myocardial Infarction (AMI) [218] *Izabela E Annis, Sandra Hanna,* ***Gang Fang*** |
| 112 | Bootstrap-Based Inference for the Effects of Changes in Epidemiologic Design and Analysis [224] ***M Alan Brookhart****, Stephen R Cole,* ***Til Stürmer*** |
| 123 | Improving Short-Term Mortality Prediction Using Timing of Acute Comorbidities During Lookback [235] ***Henry T Zhang****, Leah J McGrath, Alan R Ellis, Richard Wyss,* ***Jennifer L Lund****,* ***Til Stürmer*** |
| 127 | Potential Effects of Medicare Payment Policy Changes on Hospitalization-Based Outcomes Research [239] *Anne C Beaubrun, David T Gilbertson, Glenn M Chertow, Kenneth J Rothman, Wolfgang C Winkelmayer, Keri L Monda, Jiannong Liu, Akhtar Ashfaq,* ***M Alan Brookhart****, Allan J Collins, Brian D Bradbury* |
| 128 | New Policies, New Sources of Error: Impact of Recent Medicare Policies on Database Research [240] *David T Gilbertson, Jiannong Liu, Anne C Beaubrun, Glenn M Chertow, Kenneth J Rothman, Wolfgang C Winkelmayer, Keri L Monda, Akhtar Ashfaq,* ***M Alan Brookhart****, Allan J Collins, Brian D Bradbury* |
| 129 | Exposure Misclassification Due to Household Availability of Prescription Medications [241] ***Marissa J Seamans****, Daniel J Westreich, Timothy Carey, Stephen R Cole,* ***M Alan Brookhart*** |
| 145 | Identifying the Prescribing Physician in US Healthcare Claims Data [257] ***Jane S Der****, Fei Xue,* ***M Alan Brookhart*** |
| 149 | Validity of Claims-Based Definitions for Hospitalized Volume Overload Among Hemodialysis Patients [261] ***Magdalene M Assimon****, Jennifer E Flythe* |
| 154 | Validation of a Case-Finding Algorithm for Symptomatic Uterine Fibroids [266] ***Sarah R Hoffman****, Daniel Westreich, Anissa I Vines, Jacqueline R Halladay, Emily Pfaff, Lauren Schiff, Lisa Rahangdale, Aditi Sundaresan, La-Shell Johnson, Wanda Nicholson* |
| 157 | Can Population-Based Incidences Help Define Bladder Cancer Outcomes in a Medicare Cohort? [269] ***Elizabeth M Garry****, John B Buse,* ***Virginia Pate****,* ***Til Stürmer*** |
| 170 | Patterns and Predictors of Having a Colonoscopy Following Drug Initiation in Older US Adults with Diabetes [282] ***Phyo T Htoo****, M A Marquis, Mugdha Gokhale,* ***Virginia Pate****, John Buse,* ***Til Stürmer*** |
| 173 | Study Design and Analytic Approach for Research on the Effectiveness of Childhood Vaccine Schedules [285] ***Anne M Butler****,* ***J Bradley Layton****,* ***B Diane Reams****, Catherine A Panozzo,* ***M Alan Brookhart*** |
| 197 | Use of Copay as an Instrumental Variable for Adherence in Comparative Effectiveness and Safety Research [309] ***Sapna Rao****,* ***Xiaojuan Li****,* ***M Alan Brookhart*** |
| 241 | Continuity of Prescribing and Medication Adherence in Patients with Schizophrenia and Cardiometabolic Comorbidities [353] ***Joel F Farley****, Richard A Hansen, Marisa E Domino, Neepa Ray, Nirosha Mahendraratnam, Matthew L Maciejewski* |

|  |
| --- |
| **SATURDAY, AUGUST 27 . ORAL PRESENTATIONS & SYMPOSIA** |
| **Time** | **Session & Room** | **Presentation** |
| 8:45 AM | Psychotropic Trends on Populations from a Multinational Perspective – *Wicklow Hall 2* | Antidepressant and Benzodiazepine Co-Initiation and Subsequent Long-Term Benzodiazepine Use in Adults with Depression, United States 2001-2014 [417]***Greta A Bushnell****,* ***Til Stürmer****, Bradley N Gaynes,* ***Virginia Pate****, Matthew Miller* |
| 9:15 AM | Broken & Torn – *Liffey Hall 1* | **Incidence and Trends in ACL Reconstruction Among Commercially-Insured Individuals in the United States, 2002-2013 [431]** ***Mackenzie M Herzog****, Stephen W Marshall,* ***Virginia Pate****,* ***Jennifer L Lund****, Jeffrey T Spang* |
| 2:00 PM | A Methods Coddle- *The Auditorium* | **Exposure Misclassification and Inverse Probability Weighting: A Plasmode Simulation [472]*Mitchell M Conover****, Kenneth J Rothman,* ***Til Stürmer****,* ***Charles Poole****,* ***Michele Jonsson Funk*** |
| 4:00 PM | Symposium-*The Auditorium* | **Perspectives from Causal Inference in the Era of Big (Healthcare) Data [475]*****Susan Gruber, Michele Jonsson Funk, Robert Platt, James M Robins, Mireille Schnitzer, Til Stürmer, Alexander M Walker*** |
|  |
| **SATURDAY, AUGUST 27 . POSTERS** |
| **#** | **Poster** |
| 128 | Patterns and Predictors of Potentially Inappropriate Medication Use in Older Colon Cancer Patients [641] ***Jennifer L Lund, Sharon Peacock Hinton****,* ***Virginia Pate****, Hanna K Sanoff, Marcela Jiron, Jena Ivey Burkhart, Hyman B Muss,* ***Til Stürmer*** |

|  |  |
| --- | --- |
| **UNC ALMUNI RECEPTION** | Please join us for a UNC Alumni Reception on Saturday, August 27 from 6:00 – 7:00 PM prior to the ICPE Social Event at the Boat Bar at the MV Cill Airne—a historic boat docked just across the street from the Convention Center.  |

|  |
| --- |
| **SUNDAY, AUGUST 28 . ORAL PRESENTATIONS** |
| **Time** | **Session & Room** | **Presentation** |
| 8:30 AM | Analytic Approaches for Controlling and Exposure Misclassification – *The Auditorium* | A Complimentary Approach to Group Based Trajectory Models [821] ***Aaron N Winn****,* ***Stacie B Dusetzina*** |
| 9:00 AM | Analytic Approaches for Controling Confounding and Exposure Misclassification – *The Auditorium* | Propensity Score Methods for Subgroup Analyses: Investigating Covariate Balance [823]***Phyo T Htoo****, Caroline J Mariano,* ***Sharon Peacock-Hinton****, Katie Reeder-Hayes,* ***Michele Jonsson Funk****,* ***Til Stürmer****,* ***Jennifer L Lund*** |
| 9:00 AM | Keeping Up – A Potpourri*- Wicklow Hall 2* | Prescription Opioid Use and Infection-Related Hospitalization in Hemodialysis Patients [805]***Abhijit V Kshirsagar****,* ***Xiaojuan Li****,* ***Magdalene Assimon****,* ***M Alan Brookhart****\*Student Award Recipient - third best abstract submitted by a student* |
| 9:30 AM | Keeping Up – A Potpourri*- Wicklow Hall 2* | Trends in Specialty Drug Spending and Use in Commercial Health Plans in the United States: 2003-2014 [807]***Stacie B Dusetzina*** |
| 9:45 AM | From Eve to… - *The Liffey A* | Venous Thromboembolism Risk Following New Use of NSAIDs in U.S. Women [796]***Tracy L Kinsey****, Robert J Glynn,* ***Michele Jonsson Funk****,* ***Charles Poole****, Ross J Simpson, Jr.,* ***Til Stürmer*** |
| 3:45 PM | CV Adverse Events: Affairs of the Heart – *Wicklow Hall 2* | Association of Proton Pump Inhibitor Use and Acute Myocardial Infarction Among Privately Insured Adults, 2001-2014 [847]***Suzanne N Landi****,* ***Jennifer L Lund****,* ***Virginia Pate****, Robert S Sandler* |
| 4:00 PM | Practice of Epidemiology in Pregnancy Studies – *The Liffey A* | Bias from Restricting to Live Births in a Study of Prescription Drug Use and Pregnancy Complications: A Simulation [836]***Elizabeth A Suarez****,* ***Suzanne N Landi****,* ***Mitchell M Conover****,* ***Michele Jonsson Funk*** |
|  |
| **SUNDAY, AUGUST 28 . POSTERS** |
| **#** | **Poster** |
| B | SPOTLIGHT SESSION – VACCINES: Rotavirus Vaccine Schedules and Vaccine Response Among Infants in Low- and Middle-Income Countries: A Systematic Review [870] ***Joann F Gruber****, Lucinda M Gruber, Rachel Palmieri Weber, Sylvia Becker-Dreps,* ***Michele Jonsson Funk*** |
| D | SPOTLIGHT SESSION – VACCINES: Safety of TDaP Vaccination in Pregnancy [872] ***J Bradley Layton****,* ***Anne M Butler****,* ***Dongmei Li****, Kim A Boggess, Sylvia Becker-Dreps* |
| I | SPOTLIGHT SESSION – CER: Empirical Identification of Treatment Regimens for Studies of Long-Term Exposure [877] ***Xiaojuan Li****, Abhijit V Kshirsagar,* ***M Alan Brookhart*** |
| J | SPOTLIGHT SESSION – CER: Comparative Incidence of Cardiovascular Events in Older Adults Initiating DPP-4 Inhibitors versus Other Antidiabetic Drugs [878] *Mugdha N Gokhale, John B Buse,* ***Michele Jonsson Funk****,* ***Jennifer L Lund****, Ross Simpson,* ***Til Stürmer*** |
| 11 | Uptake and Predictors of TDaP Immunization During Pregnancy in Privately-Insured US Women, 2010-2013 [899] ***Anne M Butler****,* ***J Bradley Layton****,* ***Dongmei Li****, Michael G Hudgens, Kim A Boggess, Leah J McGrath, Sylvia Becker-Dreps* |
| 80 | New Use of Statins and the Risk of Achilles or Biceps Tendon Rupture: A Propensity-Score Matched Cohort Study [968] *Julia Spoendlin,* ***J Bradley Layton****, Mallika Mundkur, Christian Meier, Susan S Jick, Christoph R Meier* |
| 104 | Severe Adverse Events and Treatment Discontinuation Among Older Adults Taking Angiotensin-Converting Enzyme Inhibitors (ACEI) or Angiotensin Receptor Blockers (ARB) Following Acute Myocardial Infarction (AMI) [992] ***Gang Fang****, Izabela E Annis, Nirosha Mahendraratnam,* ***Til Stürme****r,* ***Joel Farley****, Jennifer G Robinson* |
| 148 | Potential Prescribing Omissions Among older US Adults According to START Criteria [1037] *Marcela Jiron,* ***Virginia Pate****,* ***Laura C Hanson****,* ***Michele Jonsson Funk****,* ***Til Stürmer*** |
| 223 | Trends in Erlotinib Use for Non-Small Cell Lung Cancer, 2007-2012 [1113] ***Yi-Ting Chou****,* ***Stacie B Dusetzina*** |
| 225 | Uptake and Cost of Capecitabine versus 5-FU Among Commercially-Insured Colorectal Cancer Patients [1115] *Ashley L Cole, Hanna K Sanoff,* ***Stacie B Dusetzina*** |

|  |
| --- |
| Featuring collaborations with the following institutions: |
| Aarhus University, DenmarkAmgenAstraZenecaBaylor UniversityBoston UniversityBrigham and Women’s HospitalChronic Disease Research Group | EpidemicoGenentechGlaxoSmithKlineHarvard Pilgrim HealthcareHarvard UniversityMayo ClinicNorth Carolina State University | Quintiles RTI Health SolutionsStanford UniversityUniversity of Basel, SwitzerlandUniversity of Chile |

|  |  |  |  |
| --- | --- | --- | --- |
| http://creative.unc.edu/wp-content/uploads/resources/facebook/Old_Well_Graphic_2_facebook.jpg | **Connect with us!** | **UNC Pharmacoepidemiology** | **UNC DPOP**  |
| Facebook: Twitter: LinkedIn: | facebook.com/UncPharmacoepidemiology@UNC\_RxEpi UNC Pharmacoepidemiology | facebook.com/UNCdpop |