**The UNC Pharmacoepidemiology Program**

Presentations at the 30th International Conference on

Pharmacoepidemiology & Therapeutic Risk Management

Taipei – October 24-27, 2014

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| **PRE-CONFERENCE EDUCATIONAL SESSIONS** |
| **Date & Time** | **Room** | **Session** |
| Friday, Oct 248:30 AM – 12:30 PM | 201ABC | Comparative Effectiveness Research*Jeremy Rassen, Cynthia Girman,* ***Michele Jonsson Funk****, Joshua Gagne* |
| Friday, Oct 242:00 – 6:00 PM | 201E | Advanced Topics in Pharmacoepidemiology (Chinese)*K. Arnold Chan, Edward Chia-Cheng Lai, Chia-Hsien Chang,* ***Jin-Liern Hong*** |

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| **ACADEMIC SHOWCASE** | Come meet us at our table at the Academic Showcase. Friday, Oct 24, 6:00 – 7:30 PM, in the Banquet Hall |

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| **UNC ALMUNI RECEPTION** | Please join us for a UNC Alumni Reception. Friday, Oct 24, 7:45-9:00 PM at the Cheers Lounge Bar and Restaurant, Located on the 1st floor of the Grand Hyatt Taipei |

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| **SATURDAY, OCTOBER 25 ORAL PRESENTATIONS, SYMPOSIA, WORKSHOPS & PLENARY** |
| **Time** | **Session & Room** | **Presentation** |
| 8:00 AM | Welcome - *Plenary Hall* | *Soko Setoguchi, Yea-Huei Kao Yang,* ***Til Stürmer*** |
| 10:30 AM | All About Statins - *201BC* | Effect of Statin Use on Acute Kidney Injury Following Elective Cardiothoracic Surgery: A Population Cohort Study in Denmark [1]***J Bradley Layton****, Malene K Hansen, Carl-Johan Jakobsen, Jan J Andreasen, Vibeke E Hjortdal, Bodil S Rasmussen,* ***Abhijit V Kshirsagar****,* ***Ross J Simpson****, Christian F Christiansen* |
| 11:30 AM | All About Statins - *201BC* | Statin Initiation in a Closed Cohort of U.S. Women over Two Decades [5]***Tracy L Kinsey****,* ***Til Stürmer****, Robert J Glynn* |
| 11:30 AM | Women's Health - *102* | Rates of opioid-managed pelvic pain after sterilization by implanted device vs. tubal ligation, U.S. 2005-2011 [35]***Mitchell M Conover****, Jennifer M Wu,* ***Alan C Kinlaw****, Jennifer O Howell,* ***Michele Jonsson Funk*** |
| 11:45 AM | Biologics Bouillabaisse - *201AF* | Payer-Level Differences in the Response to Regulatory Actions Regarding Bevacizumab [12]***Stacie B Dusetzina****, Shellie D. Ellis, Rachel A. Freedman, Aaron N Winn, James Chambers, Rena M. Conti, G. Caleb Alexander, Haiden A Huskamp, Nancy L Keating* |
| 1:45 PM | Pseudorandom Exposures - *4th VIP* | Using Simulation to Explore the Properties of IV Bias Amplification and Unmeasured Confounding [56]***Jonathan V Todd****,* ***M Alan Brookhart*** |
| 2:00 PM | Pseudorandom Exposures - *4th VIP* | Instruments and Doubly Robust Estimation: Bias and Efficiency Compared to Conventional Estimators [57]***Michele Jonsson Funk****,* ***Virginia Pate****,* ***Til Stürmer*** |
| 3:30 PM | **Plenary - *Plenary Hall*** | Development in Pharmacoepidemiological Methods: Current Status and Future Direction***Kenneth J. Rothman, Robert Glynn, Miguel Hernan, Olaf Klugel, Soko Setoguchi, Til Stürmer*** |
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| **SATURDAY, OCTOBER 25 POSTERS** |
| **Session** | **#** | **Poster** |
| Spotlight – Top 8 | 5 | Prevalence of Potentially Inappropriate Medication Prescribing Among Older US Adults Using STOPP Criteria [84]*Marcela Jirón,* ***Virginia Pate, Michele Jonsson Funk, Til Stürmer*** |
| Spotlight – DUR/HSR  | 36 | AHRQ/HCUPNet-Derived Pharmacoepidemiologic Evidence on Ventilation-Associated Iatrogenic Pneumothorax [115]*Yelizaveta Torosyan, Qianlai Luo,* ***Sarah Hoffman****, Danica Marinac-Dabic* |
| DUR/HSR | 38 | Differential Healthcare Utilization in Metformin vs. Sulfonylureas Users Pre- and Post-Initiation [117]***Jin-Liern Hong, Michele Jonsson Funk, Jennifer L Lund, Virginia Pate, Til Stürmer*** |
| DUR/HSR | 97 | Characteristics of Patients with Depression Who Initiate Antidepressant and Benzodiazepine Therapy Simultaneously, Compared with Antidepressant Monotherapy [176]***Greta A Bushnell, Alice White, Til Stürmer,*** *Bradley N Gaynes,* ***Virginia Pate****, Deborah Azrael, Matthew Miller* |
| DUR/HSR | 115 | Patterns of Analgesic Initiation among Hemodialysis Patients [194]***Magdalene M Assimon, Anne M Butler, Lily Wang, Abhijit V Kshirsagar, M Alan Brookhart*** |

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| **SUNDAY, OCTOBER 26 ORAL PRESENTATIONS** |
| **Time** | **Session & Room** | **Presentation** |
| 8:00 AM | How Thin Is Your Blood? - *201DE* | Avoiding “Crystal Ball” Epidemiology: The Case of Low-Dose Aspirin and Major Bleeding [331]***Jennifer L Lund****,* ***Til Stürmer****, Erzsebet Horvath-Puho, Szimonetta Szépligeti, Lars Pedersen, Vera Ehrenstein, Henrik T Sorensen, John A Baron* |
| 8:45 AM | Well-adjusted by Design - *4th VIP* | Controlling Time-Dependent Confounding by Frailty: Restriction Versus Statistical Adjustment [346]***Leah J McGrath, Alan R Ellis, M Alan Brookhart*** |
| 9:15 AM | How Thin Is Your Blood? - *201DE* | Utilization of Anticoagulants in Atrial Fibrillation: Influences of Clinical Risk Scores in Real-World Practice [336]***Julie C Lauffenburger****, Joel F Farley, Denise H Rhoney, Anil K Gehi,* ***M Alan Brookhart****, Gang Fang**\*Award for third best abstract from a student/post-doc* |
| 9:15 AM | Well-adjusted by Design - *4th VIP* | Comparing Estimation Strategies for Disease Risk Scores: A Simulation Study [348]***Richard Wyss, M Alan Brookhart, Virginia Pate, Til Stürmer*** |
| 10:15 AM | Don't Go Breaking My Heart - *201BC* | Comparative Cardiovascular Safety of Testosterone Formulations in the United States and United Kingdom [356]***J Bradley Layton****, Julie L Sharpless, Christoph R Meier,* ***Til Stürmer****, Susan S Jick,* ***M Alan Brookhart*** |
| 10:15 AM | Not All Diabetes Are Alike: Issues of Diagnosis - *201DE* | Identification of Prediabetes, Healthcare Utilization and Progression to Diabetes in CPRD [368]***Jin-Liern Hong****, Ann Marie McNeill, Jinghua He, Kimberly Brodovicz.* |
| 10:45 AM | Diverse Topics in Pediatric Populations - *103* | Antimuscarinic Utilization in the Pediatric Population in the United States, 2000-2011 [352]***Alan Kinlaw****, Jennifer Wu,* ***Mitchell M Conover****,* ***Virginia Pate****,* ***Michele Jonsson Funk*** |
| 10:45 AM | PS or What??? - *4th VIP* | Trimming on Propensity or Disease Risk Scores to Enhance Validity in the Design of Comparative Effectiveness Studies [376]*Robert J Glynn, Mark Lunt,* ***Til Stürmer*** |
| 11:30 AM | Roundtable Discussion – *Banquet Hall* | **Challenges and Approaches to Controlling for Confounding in Pharmacoepidemiology*****Til Stürmer*** |
| 2:30 PM | Annual Meeting – *Plenary Hall* | Presidential Address***Til Stürmer***  |
| 2:30 PM | Awards Ceremony - *Plenary Hall* | Assessment of Prediabetes in the United Kindgom CPRD and Its Association with Incident Cancers [385]***Jin-Liern Hong****, Ann Marie McNeill, Jinghua He, Kimberly Brodovicz**\*The Stanley A. Edlavitch Award for best abstract submitted by a student/post-doc* |
| 4:30 PM | Symposium – *Plenary Hall* | **Guidelines and Recommendations for Comparative Effectiveness Research (CER) Methods: International Assessment and Exchange [389]***Eunsun Noh, Nancy A Dreyer, Jeonghoon Ahn, Thamir M Alshammari, Mary E Ritchey,* ***J Bradley Layton****, Aisling R Caffrey* |
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| **SUNDAY, OCTOBER 26 POSTERS** |
| **Session** | **#** | **Poster** |
| CER | 67 | Effect of Body Mass Index on Choice of Initiating Diabetes Therapies [459]***Mugdha N Gokhale****, John B Buse,* ***Til Stürmer*** |
| CER | 72 | Inverse-Probability-of-Selection Weighting of Rich Subsample Data Provides Informed Estimates of Treatment Effects for a Larger Sample [464]***Alan R Ellis****,* ***M Alan Brookhart*** |
| CER | 86 | Preference-Based Instrumental Variable (IV) Methods in the Comparative Effectiveness of Osteoporosis (OP) Medications in Women with Postmenopausal Osteoporosis (PMO) Using the MarketScan Database [478]***Jane S Der****,* ***M Alan Brookhart****, Fei Xue* |
| CER | 96 | Marginal Structural Model Simulation: the Effect of Omitting a Variable from the Outcome Model When It Is Present in the Numerator Model [488]***Alan R Ellis****,* ***M Alan Brookhart.*** |
| Spotlight – CER SIG | 104 | Accounting for Treatment Complexity in Propensity Score Estimation: Case Study from of Type 2 Diabetes (T2DM) [496]*Mary E Ritchey, Yong Chen,* ***Michele L Jonsson Funk****, Kimberly G Brodovicz* |
| Spotlight – CER SIG | 107 | Comparative effectiveness of contemporary adjuvant chemotherapy options among older rectal cancer patients [499]***Jennifer L Lund****, Hanna K Sanoff,* ***Til Stürmer*** |
| Spotlight – CER SIG | 110 | Radiographic and Endoscopic Diagnostic Workup around Initiation of Oral Bisphosphonates [502]***Xiaojuan Li****, Yong Chen,* ***Mugdha Gokhale****, Julie Chandler, Annie McNeill, Cynthia J Girman,* ***Til Stürmer*** |
| Spotlight – CER SIG | 111 | Using Refill Information to Improve the Performance of Preference-Based Instrumental Variables [503]***Jane S Der****,* ***M Alan Brookhart****, Cathy W Critchlow,* ***Vamshidar Goli****, Fei Xue* |
| Classical PE | 125 | Fracture Risk among Depressed Patients Initiating SNRIs vs SSRIs AntidepressantsYi-han Sheu, Amy Lanteigne, **Til Stürmer**, **Virginia Pate**, Deborah Azrael, Matthew Miller |

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| **MONDAY, OCTOBER 27 PRESENTATIONS** |
| **Time** | **Session** | **Presentation** |
| 10:30 AM | Symposium – 4th VIP | How Do We Overcome Challenges of Diverse Views in Multi-Displinary Collaboration on CER?*Cynthia J Girman, Sebastian Schneeweiss, Leona E. Markson,* ***Til Stürmer*,** *Stella Blackburn* |
| 1:45 PM | Probably a Good Link – *201DE* | Performance of Methods for Linking Registry Data to Insurance Claims When Unique Identifiers Are Unavailable [652]***Stacie B Dusetzina****, Seth Tyree,* ***Anne-Marie Meyer****, William Carpenter* |
| 2:30 PM | For Better or for Worse - *103* | Testosterone Laboratory Testing and Testosterone Supplementation Use among Adult Males in Denmark [673]*Thomas B Rasmussen, Helene Nørrelund, Sinna P Ulrichsen,* ***J Bradley Layton****,* ***M Alan Brookhart****, Henrik T Sørensen, Christian F Christiansen* |
| 2:45 PM | Probably a Good Link – *201DE* | Accounting for Outcome Misclassification in Pharmacoepidemiologic Studies [656]***Xiaojuan Li****, Nihan Potas,* ***Anne M Butler****, Jess Edwards, Jason Fine,* ***M Alan Brookhart*** |
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| **MONDAY, OCTOBER 27 POSTERS** |
| **Session** | **#** | **Poster** |
| Database | 9 | Realistic Power Estimation for New User, Active Comparator Studies: An Empirical Example [690]***Mugdha Gokhale****, John B Buse,* ***Til Stürmer*** |
| Database | 42 | Comparative Safety of Antimuscarinics among Adults in the United States, 2000–2011 [723]***Alan Kinlaw****, Jennifer Wu,* ***Mitchell M Conover****,* ***Michele Jonsson Funk*** |
| Database | 54 | Concordance of myocardial infarction (MI) between Medicare & Atherosclerosis Risk in Communities (ARIC) study [735]***Montika Bush****,* ***Til Stürmer****, Sally Stearns,* ***Ross J Simpson Jr****,* ***M Alan Brookhart****, Anna Kucharska-Newton* |
| Methods Potpourri | 116 | Refill Variables in Administrative Claims Data – Potential Implications for Defining New Medication User Cohorts [797]***Jane S Der****,* ***M Alan Brookhart****, Fei Xue* |
| CV Outcomes | 152 | Temporal Changes in the Prescribing Propensity Following Safety Warnings [833]***Elizabeth M Garry****, John B Buse,* ***Virginia Pate****,* ***Til Stürmer*** |
| Spotlight – Device SIG | 229 | Creation and Use of a "Lag Time" Variable for Comparative Effectiveness Research Using Claims Data [910]***Sarah R Hoffman****, Nilsa Loyo-Berrios, Manuel Bayona, Megan Gatski, Veronica A Price* |

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| Featuring collaborations with the following institutions: |
| Aalborg University, DenmarkAarhus University, DenmarkAmgenBoston UniversityBrigham & Women’s HospitalCommunity Care of North CarolinaDana Farber Cancer Institute Harvard University | Johns Hopkins UniversityJohnson & JohnsonMerckNorth Carolina State UniversityProctor & GambleRTI Health SolutionsTufts UniversityUniversity of Basel, Switzerland  | University of ChicagoUniversity of ChileUniversity of KansasUniversity of Manchester, United KingdomUS Food & Drug AdministrationWestern Denmark Heart Registry |

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