

SYMPOSIA

- Sun. Aug 24
17:15 - 18:45
♀ 208AB
Overcoming Challenges in CDM Harmonization from Within-Country Coordination to International Collaboration
*Kristian B. Fillion, Ashley I. Michnick, Daniel Prieto-Alhambra, **Chin-Yao Shen**, Darren Toh*
- Sun. Aug 24
17:15 - 18:45
♀ Ballroom AB
The Clone-Censor-Weight Approach: From Basic Principles to Its Transformation in Diverse Exposure Scenarios
*Daniel Hsiang-Te Tsai, Kenneth Man, Avery Shuei-He Yang, Charles E. Gaber, Jennifer L. Lund, **Edward Chia-Cheng Lai***
- Mon. Aug 25
13:00 - 14:30
♀ Ballroom AB
How should we interpret self-controlled study designs in the era of causal inference?
*Kenneth Man, Siu Chung Andrew Yuen, Cindy Zhou, Sudha Raman, **Edward Chia-Cheng Lai**, Ju-Young Shin, Anna Schultze*

ORAL PRESENTATIONS - 1

Sun. Aug 24

1A - Comparative safety and effectiveness in cardio/renal/metabolic diseases

- 10:45 - 11:00
♀ 207AB
SGLT2 Inhibitors, GLP-1 Receptor Agonists, and DPP4 Inhibitors and the Risk of Hypomagnesemia in Type 2 Diabetes: A Multi-Institutional Cohort Study with Target Trial Emulation
*Shih-Chieh Shao, Daniel Hsiang-Te Tsai, Albert Tzu-Ming Chuang, Kuan-Hung Liu, **Edward Chia-Cheng Lai***

1C - Maternity Medley

- 10:45 - 11:00
♀ 201
Aspirin Use in the First Trimester of Pregnancy and the Risk of Congenital Malformations: Emulating a Sequence of Target Trials
*Brian Meng-Hsun Li, **Edward Chia-Cheng Lai***

1G - To err is not only human

- 10:30 - 10:45
♀ Ballroom AB
Performance of Different Methods to Handle Multicollinearity for Propensity Score Matching: A Monte Carlo Simulation Study
*Michael Chun-Yuan Cheng, Chris Tzu-Ting Su, **Edward Chia-Cheng Lai***

2F - Mining expeditions

- 16:30 - 16:45
♀ Ballroom AB
Impact of P-Value Adjustments on Signal Detection in Sequence Symmetry Analysis
*Miyuki Hsing-Chun Hsieh, Michael Chun-Yuan Cheng, Chris Tzu-Ting Su, **Edward Chia-Cheng Lai***

2G - Navigating the Neurochemical Journey in Pregnancy

- 16:30 - 16:45
♀ 208AB
Benzodiazepine Use in Pregnancy and the Risk of Pregnancy Outcomes: Emulating a Sequence of Target Trials
*Brian Meng-Hsun Li, **Edward Chia-Cheng Lai***

ORAL PRESENTATIONS - 2

Mon. Aug 25

3B - Keep pumping: cardiovascular and respiratory drug safety

8:15 - 8:30 **Risk of secondary thromboembolism event following intravitreal injections of anti-VEGF agents: A target-trial emulation study**

♀ 204ABC *Avery Shuei-He Yang, Tsung-Hsien Tsai, Lan-Hsin Chuang, Shih-Chieh Shao, Edward Chia-Cheng Lai*

3D - Machines make it easier

9:15 - 9:30 **Pitfalls of Using AI Tools to Write Statistical Analysis Plans for Pharmacoepidemiology Target Trial Emulation in Electronic Health Insurance Databases Without Pre-Training**

♀ Ballroom AB *Peter Pin-Sung Liu, Miyuki Hsing-Chun Hsieh, Edward Chia-Cheng Lai*

3G - Trial & Triumph: Targeting Success in Pregnancy Studies

9:00 - 9:15 **Early Aspirin Use in Pregnancy and the Risk of Early Pregnancy Loss: Emulating a Sequence of Target Trials**

♀ 202AB *Brian Meng-Hsun Li, Edward Chia-Cheng Lai*

Tue. Aug 26

5B - Clone wars

9:00 - 9:15 **Comparing Clone-Censoring Weighting and Sequential Trial Emulation in Estimating the Effect of Statins on Major Adverse Cardiovascular Events in Patients with Diabetes Mellitus**

♀ Ballroom AB *Peter Pin-Sung Liu, Daniel Hsiang-Te Tsai, Avery Shuei-He Yang, Edward Chia-Cheng Lai*

5G - What a Mess: the Environment, Health, and Medications

9:00 - 9:15 **Interaction of Antihypertensive Drugs and Ambient Temperature on the Risk of Intradialytic Hypotension**

♀ 201 *Tzu-Ying Chen, Miyuki Hsing-Chun Hsieh, Kuan-Hung Liu, Edward Chia-Cheng Lai*

6F - Perfect timing

13:45 - 14:00 **Evaluation of Different Washout Periods for Identifying New Users**

♀ 202AB *Daniel Hsiang-Te Tsai, Albert Tzu-Ming Chuang, Avery Shuei-He Yang, Edward Chia-Cheng Lai*

6G - The target stands trial

14:15 - 14:30 **Risk of Osteoporosis, Osteoporotic Fractures, and Falls in Patients with Rheumatoid Arthritis Receiving JAK Inhibitors.**

♀ 207AB *Vincent Ping-Sheng Chou, Avery Shuei-He Yang, Albert Tzu-Ming Chuang, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai*



PHDc at ISPE 2025

*Presentations at the 41st International Society for Pharmacoepidemiology
Annual Meeting, Washington, DC, USA
August 22-26, 2025 (All times in ET)*

POSTERS PRESENTATIONS

Spotlight Poster

Poster Session A- Sunday, August 24

Spotlight Poster-Asian Pharmacoepidemiology Network (AsPEN)

Handling Missing Laboratory Values across Various Missing Data Settings in Electronic Health Records

Albert Tzu-Ming Chuang, Daniel Hsiang-Te Tsai, Shih-Chieh Shao, Edward Chia-Cheng Lai

Spotlight Poster-Asian Pharmacoepidemiology Network (AsPEN)

Evaluating Mortality Risk and Post-discharge Antipsychotic Use in Patients with Hospital-Onset Delirium

Daniel Hsiang-Te Tsai, Avery Shuei-He Yang, Michael Chun-Yuan Cheng, Edward Chia-Cheng Lai

Spotlight Poster-Asian Pharmacoepidemiology Network (AsPEN)

Association between Metformin Use and Depression in Patients with Diabetes

*Daniel Hsiang-Te Tsai, Peter Pin-Sung Liu, Albert Tzu-Ming Chuang, Avery Shuei-He Yang,
Edward Chia-Cheng Lai*

Spotlight Poster-Asian Pharmacoepidemiology Network (AsPEN)

Use of Quetiapine vs Risperidone and Risk of Cardiovascular Diseases in Patients with Parkinson's Disease Psychosis

Daniel Hsiang-Te Tsai, Peter Pin-Sung Liu, Edward Chia-Cheng Lai

Spotlight Poster-Asian Pharmacoepidemiology Network (AsPEN)

Effectiveness of Antipsychotics in Patients with Schizophrenia

*Daniel Hsiang-Te Tsai, Avery Shuei-He Yang, Albert Tzu-Ming Chuang, Michael Chun-Yuan Cheng,
Edward Chia-Cheng Lai*

Spotlight Poster-Biologics

Effect of Achieving Pain Relief between Baricitinib and Tofacitinib in Patients with Rheumatoid Arthritis: A Retrospective Cohort Study using the TriNetX Global Collaborative Networks.

Albert Tzu-Ming Chuang, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

POSTERS PRESENTATIONS - 1

Poster Session A- Sunday, August 24

Risk of Acute Pancreatitis Associated with the Use of Dipeptidyl Peptidase-4 Inhibitors: Application of the Trend-in-Trend Design

Avery Shuei-He Yang, Peter Pin-Sung Liu, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

Faricimab Usage in Neovascular Retinal Diseases: Real-World Data on Patient Demographics, Comorbidities, and Treatment Patterns

Annabelle Wan-Ju Lee, Daniel Hsiang-Te Tsai, Shih-Chieh Shao, Edward Chia-Cheng Lai

Effectiveness and Safety of Vortioxetine versus Other Antidepressants in Patients with Major Depression Disorder

Miyuki Hsing-Chun Hsieh, Chen-Pin Wang, Edward Chia-Cheng Lai

Evaluating Result Consistency of OMOP and Sentinel Common Data Models: A Case Study of Hospitalized Atherosclerotic Cardiovascular Disease Patients in Taiwan

Steven Chin-Yao Shen, Brian Meng-Hsun Li, Tzu Chi Liao, Chris Tzu-Ting Su, Edward Chia-Cheng Lai

Comparison of the Pneumonia Risk Between GLP-1RAs and DPP4 Inhibitors in Taiwan

Chris Tzu-Ting Su, Michael Chun-Yuan Cheng, Edward Chia-Cheng Lai

The Effectiveness on Diabetic Retinopathy Between GLP-1 Receptor Agonists and DPP-4 Inhibitors in Taiwan

Chris Tzu-Ting Su, Michael Chun-Yuan Cheng, Edward Chia-Cheng Lai

Type 1 Diabetes Mellitus in Individuals Receiving COVID-19 Messenger RNA Vaccination

Daniel Hsiang-Te Tsai, Avery Shuei-He Yang, Albert Tzu-Ming Chuang, Miyuki Hsing-Chun Hsieh, Chris Tzu-Ting Su, Edward Chia-Cheng Lai

Risk of Hepatocellular Carcinoma after Kidney Transplantation in Patients with End-Stage Renal Disease: A Population-based Cohort Study Using Multi-Institutional Electronic Health Records

Kevin Yi-Chen Liao, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

Recalculating Propensity Score or Not for Subgroup Analysis in Propensity Score Matching and Inverse Probability of Treatment Weighting: A Monte Carlo Simulation Study

Michael Chun-Yuan Cheng, Edward Chia-Cheng Lai, Chris Tzu-Ting Su, Brian Meng-Hsun Li, Avery Shuei-He Yang

Evaluating the Robustness of Propensity Score Methods in Survival Analysis Under Sample Size Imbalance: A Monte Carlo Simulation

Michael Chun-Yuan Cheng, Chris Tzu-Ting Su, Edward Chia-Cheng Lai, Daniel Hsiang-Te Tsai

Association of Risk of Congenital Malformations and Neurodevelopmental Disorders in Offspring in Women Who Continued Antipsychotics (APs) During Pregnancy

Maddie Chen-Syuan Ma, Albert Tzu-Ming Chuang, Edward Chia-Cheng Lai



PHDc at ISPE 2025

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POSTERS PRESENTATIONS - 2

Poster Session A- Sunday, August 24

Autoimmune Disease Risks Across COVID-19 Vaccine Platforms: A Population-Based Cohort Study in Taiwan

Jia-Ying Lin, Miyuki Hsing-Chun Hsieh, Kevin Yi-Chen Liao, Edward Chia-Cheng Lai

Comparison of the Hypocalcemia Risk between Denosumab and Bisphosphonates in Patients with Osteoporosis and CKD – A Target Trial Emulation Study Using Multi-Institutional Electronic Health Records

Leo Kuen-Lin Wu, Kevin Yi-Chen Liao, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

Poster Session B- Monday, August 25

Risk of Autoimmune Disease after COVID-19 Vaccination: A modified Self-controlled Case Series Study

Kevin Yi-Chen Liao, Avery Shuei-He Yang, Miyuki Hsing-Chun Hsieh, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

Bisphosphonate Use and the Risk of Inflammatory Eye Reactions: A Case-Crossover Study

*Miyuki Hsing-Chun Hsieh, Michael Chun-Yuan Cheng, Jia-Horung Hung, Shih-Chieh Shao, Yu-Shan Chang,
Edward Chia-Cheng Lai*

The Association between Childhood Asthma and Frozen Versus Fresh Embryo Transfer in Assisted Reproductive Technology: A Nationwide Retrospective Cohort Study Using Target Trial Emulation Framework

*Zhen-Xiang Wang, Brian Meng-Hsun Li, Chris Tzu-Ting Su, Michael Chun-Yuan Cheng, Zoe Chi-Jui Chang,
Avery Shuei-He Yang, Edward Chia-Cheng Lai*

Incidence of Intraocular Inflammation Following Faricimab Treatment: A Real-World Evidence

Annabelle Wan-Ju Lee, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

Poster Session C- Tuesday, August 26

Prevalent New User Design: Outcome Heterogeneity Based on Different Lengths of Time-Based Exposure Sets

Albert Tzu-Ming Chuang, Daniel Hsiang-Te Tsai, Edward Chia-Cheng Lai

Association between Sodium-Glucose Co-Transporter 2 Inhibitors and Risk of Post-Stroke Epilepsy

Albert Tzu-Ming Chuang, Ming-Chi Lai, Swu-Jane Lin, Chin-Wei Huang, Edward Chia-Cheng Lai

Thrombosis and Bleeding Risk in Patients Receiving NOACs and P-gp Inducers or Inhibitors: A Case-Case-Time-Control for Drug Interactions Assessment

Zoe Chi Jui Chang, Avery Shuei-He Yang, Edward Chia-Cheng Lai