

# Educational Session Program

Friday 21 October 2022

Current as at 6 October 2022.

## TRACK D: ADVANCED PHARMACOEPIDEMIOLOGY

(English)

On-line only

Moderator: Professor Sallie Pearson, School of Population Health, UNSW Sydney, Australia



Taipei Time	Topic
08:00 (90 mins)	<b>Session 1: Medical Device Epidemiology</b> Mary-Beth Ritchey PhD, Med Tech Epi, LLC; Rutgers University, USA
09:30	<b>BREAK (15 mins)</b>
09:45 (90 mins)	<b>Session 2: Machine Learning in Pharmacoepidemiology</b> Robert Platt PhD, McGill University, Canada
11:15	<b>BREAK (15 mins)</b>
11:30 (30 mins)	<b>Session 3: Distributed Data Networks and Common Data Models</b> Chin-Yao Shen, National Cheng Kung University, Taiwan  Overview the distributed data networks A. Why we need distributed data network? B. What are different between Common protocol and Common Data Models (CDM) approach C. Brief introduce project-specific CDM and Global CDM (sentinel CDM, OHDSI CDM, PCORNET and i2b2)
12:00	<b>BREAK (30 mins)</b>
12:30 (80 mins)	<b>Session 4: Distributed Data Networks and Common Data Models</b>  Claims database Chi-Chuan Wang, National Taiwan University, Taiwan A. Adaptation of the U.S. Sentinel CDM to the National Health Insurance claims data B. Execution of ready-to-use program C. Comparison between US results vs TW results (also validate this approach)  Electronic health records (EHR) Fang-Ju Lin, National Taiwan University, Taiwan A. Adaptation of a global CDM into a study-specific CDM using HER data B. Conversion experience and challenges C. Special issues: selection of data model elements, lab data conversion (including example sharing)
13:50	<b>BREAK (15 mins)</b>
14:05 (40 mins)	<b>Session 5: Distributed Data Networks and Common Data Models</b> Mui Van Zandt, IQVIA, USA  International collaboration by OMOP CDM A. The history and development of OHDSI / OMOP community B. The global adaptations of OHDSI C. How OMOP ecosystem works such as the process, tools and benefits of performing OMOP CDM conversion, data quality check and analytics D. Share the experience of network research with CDM data and OHDSI community.
14:45	<b>BREAK (15 mins)</b>
15:00 (40 mins)	<b>Session 6: Distributed Data Networks and Common Data Models</b> Ching-Lung Cheung, The University of Hong Kong, Hong Kong  International collaboration by project-specific CDM A. Consideration when designing study specific CDM B. How to define the appropriate codes for the cohorts and outcomes within different databases. C. Sharing the study experience: MPES for hip fractures D. Pros and Cons for using the project-specific CDM
15:40	<b>BREAK (15 mins)</b>
15:55 (90 mins)	<b>Session 7: Cumulative Drug Effects</b> Jesper Hallas MD DrMedSc, University of Southern Denmark, Denmark
17:25	<b>CLOSE</b>