OHDSI

Poster Session

12:15 to 2:45pm

Poster ID	Presenter(s)	Title
Observational Data Management		
1	Peter R. Rijnbeek, Michel van Speybroeck, Lara Tramontan, Leonardo Méndez-Boo, Rients van Wijngaarden, Rosa Gini, Miguel A. Mayer, Lars Pedersen, Alessandro Pasqua, José L. Oliveira, Johan van der Lei	Implementation of the OMOP CDM and OHDSI tools in the European Medical Information Framework (EMIF)
2	Seongwon Lee, Soo-Yeon Cho, Seng Chan You, Hojun Park, Sungjae Jung, Rae Woong Park,Yunyoung Bae, Hangil Lee, Jahyun Cho, Keunhui Park	Conversion of National Health Insurance Service (NHIS) Data of Korea to the Observational Medical Outcomes Partnership (OMOP) Common Data Model
3	Md Shamsuzzoha Bayzid, Vojtech Huser, Joydeep Ghosh	Conversion of MIMIC to OHDSI CDM
4	Margaret S. Blacketer, Jennifer L. Duryea, Amy Matcho, Jenna Reps	Converting SEER-Medicare to the OMOP Common Data Model
5	Christophe G. Lambert, Amritansh, Praveen Kumar	Transforming the 2.33M-patient Medicare synthetic public use files to the OMOP CDM v5: ETL-CMS software and processed data available and feature-complete
6	Leigh-Anne Dale, Sumit Mohan, Karthik Natarajan	Advancing Outcomes Analysis within and Across Transplant Centers Using the OMOP CDM
7	Hamed Abedtash, Jon Duke	CCD2OMOP: An Interoperable Extract-Transform-Load Package to Support the Implementation of OHDSI Software Tools Across Non-OMOPbased Electronic Health Records
8	Karin Johnson, Deb Casso, Amanda Anderson, Syd Phillips, Christian Reich, Urvi Shah, Mui Van Zandt, Susan A. Oliveria	Assessing Data Availability for Pharmacoepidemiology Research in 3 US Healthcare Databases Using the OMOP Common Data Model
9	Vojtech Huser	Analysis of drug use by dose form in large healthcare databases: Data granularity issues and CDM considerations
10	Dmitri Dymshyts, Anna Ostropolets, Nick Puntikov, Christian Reich	RxNorm Extension Drug Taxonomy to support the expansion of the OHDSI research network internationally
11	Maxim Moinat, Lars Pedersen, Jolanda Strubel, Marinel Cavelaars, Kees van Bochove, Peter Rijnbeek, Michel van Speybroeck, Martijn Schuemie	Mapping Danish drug concepts to the RxNorm vocabulary
12	Myung Choi, Richard Starr, Mark Braunstein, and Jon Duke	OHDSI on FHIR Platform Development with OMOP CDM mapping to FHIR Resources
13	Robert T. Miller, Andrew E. Williams, Bruce MacLeod, Vinton Valentine, Erika Ziller	OHDSI GIS
14	Sylvia Cho, Karthik Natarajan	Comparison and Evaluation on Online Geocoding Services
Methodological Research		
15	Alexandre Yahi, Ning Shang, Nicholas P. Tatonetti, Noémie Elhadad, George Hripcsak	Natural Language Processing in Clinical and Translational Research: Integrating Context-Dependent Modifier Combinations Across Diverse Note Types
16	OHDSI Natural Language Processing Working Group	Leveraging Clinical Texts and Enabling Natural Language Processing in OHDSI
17	Ning Shang, Alexandre Yahi, George Hripcsak	Exploring Data Representation of Parsed Unstructured Clinical Data in Phenotyping Variable Retrieval

18	Leo Anthony Celi, M.D. Ph.D. 1, Ken Jung, Ph.D. 2, Marzyeh Ghassemi, Ph.D. 3, Carlos Guzman4, Uri Shalit, Ph.D. 4, David Sontag, Ph.D. 4	An Open Benchmark for Causal Inference Using the MIMIC-III Dataset
19	Yanbo Xu, Yanxun Xu, Suchi Saria	A Non-parametric Bayesian Approach for Estimating Treatment-Response Curves from Sparse Time Series
20	Rajesh Ranganath, Adler Perotte, Noémie Elhadad, David Blei	Deep Survival Analysis
21	Christophe G. Lambert, Nicolas R. Lauve	Local Control for bias correction of time-to-event observational studies
22	James Weaver, Patrick Ryan,, Erica Voss	Evaluating the comparative self-controlled cases series method
23	Hossein Soleimani, Wenbo Pan, James Hensman, Suchi Saria	Multivariate Longitudinal Models for Electronic Health Records
24	Matthew E. Levine, David J. Albers, George Hripcsak	Comparing lagged linear methods for uncovering associations in EHR data
25	Peter R. Rijnbeek, Patrick Ryan, Hamed Abedtash, David Dorr, George Hripcsak, Mandev S. Gill, Kenney Ng, Narges Razavian, David Sontag, James Weaver, Andrew E. Williams, Johan van der Lei, Martijn Schuemie, Jenna Reps	Best Practices for Patient-Level Prediction in OHDSI
26	Jenna M. Reps, M. Soledad Cepeda	A framework to efficiently identify potential prognostic factors
27	Jenna Reps	Utilizing the OHDSI collaborative network for large-scale prognostic model validation
28	Hang Su, Sherry Yan, Walter (Buzz) F. Stewart, Jimeng Sun	Scalable Cohort Construction for Patient-level Predictive Modeling
29	Mandev S. Gill, Patrick B. Ryan, David Madigan	Sparse Coding for Predictive Modeling of Observational Health Outcomes
30	Peter Schulam, Colin Ligon, Fredrick Wigley, Robert Wise, Laura Hummers, Suchi Saria	Integrative Analysis using Coupled Latent Variable Models for Individualizing Prognoses
31	Lewis J. Frey, Patrick Mauldin, Jihad Obeid, William Moran, William Weintraub	Clinical Personalized Pragmatic Predictions of Outcomes Discovered by Yotta-Scalable Secure Elastic Ubiquitous Search (C3PODYSSEUS)

Analytics Technology and Infrastructure

32	Yonghui Wu, Jingqi Wang, Xiao Dong, Guixiao Ding, Hua Xu	Using an Open-Source Extract-Transform-Load Package to Convert Cerner Health Facts Dataset to the Common Data Model
33	Marzieh Golbaz, Donald O'Hara	Highly scalable patient-at-a-time transformation of observational databases into OMOP CDM v5 format using cloud-based open source tools
34	Hojun Park, JungHyun Byun, MinSeok Jeon, Sungjae Jung, Dukyong Yoon, Rae Woong Park	AURORA: analytic code managing and distributing tool between researchers and data partners
35	Sungjae Jung, Dukyong Yoon, Rae Woong Park	A web based integrated code generating system for cohort analysis
36	Frank J. DeFalco	Architectural Considerations to Enable Large Scale Analytics from the OHDSI Web Platform
37	Sigfried Gold, Clair Blacketer, Anthony Sena, Frank J. DeFalco	CHRONOS: Cohort exploration through individual patient profiles
38	Lee D. Evans, Marc A. Suchard, Jon D. Duke	Broadsea – The OHDSI Open Source Standard Software Stack Packaged as Docker Container Images for Cross-Platform Installation
39	Jay G. Ronquillo	Integrating HealthKit and OMOP CDM V5.0 for Precision Medicine mHealth Research for Alzheimer's Disease

Clinical Applications: Clinical Characterization

40	Levon H. Utidjian, Ritu Khare, Janet Zahner, Nandan Patibandla, L. Charles Bailey	Experience of Developing Computable Phenotypes for Pediatric Chronic Conditions in PEDSnet
41	Mary Regina Boland, Pradipta Parhi, Martijn Schuemie, Seng Chan You, Patrick Ryan, Jack Li, Rae Woong Park, George Hripcsak, Nicholas P Tatonetti	A Climate-Wide Journey to Explore Mechanisms Underlying Birth Month-Disease Risk Associations: Preliminary Results

42	Urmila Chandran, Christopher Knoll, Dina Gifkins, Benjamin Hsu, Sharon Popik	Performing a Descriptive Study of Diverticulitis and Gastrointestinal Perforations in Patients with Rheumatoid Arthritis Using OHDSI Tools
43	Soo Yeon Cho, Seng Chan You, Rae Woong Park	A descriptive study on sudden cardiac arrest based on OMOP CDM in Korea
44	Rupa Makadia, Jamie B. Forlenza, Frank J. Defalco, Chris Knoll, Patrick B. Ryan	Using OHDSI tools to conduct clinical trial feasibility
45	Jill Hardin, Frank J. DeFalco, Erin Holve, Martijn Schuemie, Patrick B. Ryan	Comparative Effectiveness Research Opportunities using the OHDSI Network
46	Ajit A. Londhe, Jon D. Duke, Patrick B. Ryan	Comparing the Effectiveness of Percutaneous Transluminal Angioplasty Against Clopidogrel in Peripheral Arterial Disease Patients
47	Rohit Vashisht, PhD, Kenneth Jung, PhD, Juan Banda, PhD and Nigam H. Shah	Learning Effective Clinical Treatment Pathways from Observational Data
48	Joel N. Swerdel; Jenna Reps; James Weaver; Daniel Fife; Patrick Ryan	Assessing the Utility of Patient-level Predictive Models for Patients in Palliative Care