



OHDSI

2018 Poster Session

Clinical Application

1	Prediction and external validation of Heart Failure in patients with Type 2 Diabetes Mellitus	Ross D. Williams, Jenna Repts, Peter R. Rijnbeek
2	Identification of risk factors for anti-osteoporosis drug use: an autoencoder model for feature detection	Sara Khalid, Daniel Prieto-Alhambra
3	Development of Clinically Informing application based on Recurrent Neural Network (CIReNN)	Seng Chan You, Sanghyung Jin, Peter R. Rijnbeek, Rae Woong Park
4	Comparison of combination treatment in hypertension	Seng Chan You, Sungjae Jung, Joel N. Swerdel, Martijn J. Schuemie, Patrick B. Ryan, Sungha Park, Rae Woong Park
5	Risk of acute kidney injury between conventional NSAIDs and selective COX-2 inhibitors	Song Heui OH, Ji In Park, Seng Chan You, Rae Woong Park
6	Comparative safety and effectiveness of alendronate versus raloxifene in women with osteoporosis: an observational cohort study across nine databases	Yeesuk Kim, Yuxi Tian, Jianxiao Yang, Vojtech Huser, Peng Jin, Christophe G. Lambert, Hojun Park, Rae Woong Park, Peter R. Rijnbeek, Mui Van Zandt, Rohit Vashisht, Yonghui Wu, Seng Chan You, Jon Duke, George Hripcsak, David Madigan, Christian Reich, Nigam H. Shah, Patrick B. Ryan, Martijn J. Schuemie, Marc A. Suchard

Observational Data Management

7	Predictive Modeling as an OHDSI Network Study: Treatment Non -Response in NSCLC patients treated with ALK Inhibitors	Aaron Galaznik, Greg Klebanov, Eldar Allakhverdiiev, Yuri Khoma, Christian Reich
8	Comprehensive Procedure Hierarchy	Anna Ostropolets, Dmitry Dymshyts, Christian Reich, Vojtech Huser
9	MIMIC3 into OMOP CDM: 48h Hackathon Evaluation	Nicolas Paris, Adrien Parrot
10	Gateway to richer and more rapid observational research.	Christian Reich, Ben Hughes, Rob Kotchie, Jon Morris, Mui van Zandt, Nelly Connolly
11	Improvement of Cancer Diagnosis Representation in OMOP CDM	Dmitry Dymshyts, Anna Ostropolets, Christian Reich MD, Rimma Belenkaya, Michael Gurley
12	Always ❤️ Your Data: An Approach to Observational Data Lifecycle, Management in the OHDSI Ecosystem	Erica A. Voss, Patrick B. Ryan, Clair Blacketer, Ajit Londhe, Martijn J. Schuemie
13	Machine translation of OHDSI standard vocabulary terms	Erik M. van Mulligen, Peter R. Rijnbeek, Jan A. Kors
14	Mapping "Parc de Salut Mar" Hospitals Information System into OMOP Datamodel	Juan-Manuel Ramírez-Anguita, Miguel-Angel Mayer, Laura I. Furlong and Ferran Sanz
15	Big Data for Medical Devices: European multi-national research leveraging routinely collected (medical records, registries) health data	Klara Berencsi, Sara Khalid, Daniel Prieto-Alhambra
16	Conversion of the Information System for Research in Primary Care (SIDIAP) data base in Catalonia to the OMOP Common Data Model	Leonardo Mendez-Boo, Eduardo Hermosilla, Peter Rijnbeek, Maria del Mar Garcia-Gil, Daniel Prieto-Alhambra, Talita Duarte-Salles
17	Medical Informatics for Research and Care in University Medicine (MIRACUM)	Martin Sedlmayr, Christian Maier, Thomas Ganslandt, Hans-Ulrich Prokosch

18	Mapping Danish drug concepts via ATC to the RxNorm vocabulary	Maxim Moinat, Lars Pedersen, Jolanda Strubel, Marinel Cavelaars, Kees van Bochove, Michel van Speybroeck, Martijn Schuemie
19	Vocabulary mapping quality assessment in two European datasets; an Achilles extension	Maxim Moinat, Stefan Payralbe, Ilona Pinter, Marinel Cavelaars, Kees van Bochove, Riens van Wijngaarden
20	Assessing the Quality of Mapping a data set to the OMOP CDM	Michel Van Speybroeck, Lars Halvorsen, Peter Rijnbeek
21	THEMIS - Personification of Divine Order & Law - Developing Governance for the Common Data Model	Mui van Zandt, Erica Voss, Christian Reich
22	Mapping the 66.6M-patient French Nationwide Healthcare Database (SNDS) to the OMOP CDM v5: a feasibility study	Nicolas Thurin, Régis Lassalle, Patrick Blin, Marine Pénichon, Martijn Schuemie, Joshua J Gagne, Jeremy Rassen, Jacques Benichou, Alain Weill, Cécile Droz-Perroteau, Nicholas Moore
23	Alert generation using the case-population approach in the French Nationwide Healthcare Database (SNDS): the ALCAPONE project	Nicolas Thurin, Régis Lassalle, Patrick Blin, Marine Pénichon, Martijn Schuemie, Joshua J Gagne, Jeremy Rassen, Jacques Benichou, Alain Weill, Cécile Droz-Perroteau, Nicholas Moore
24	The European Health Data and Evidence Network (EHDEN) – liberating evidence via harmonisation of EU real world data	Nigel Hughes, Peter Rijnbeek, Michel Van Speybroeck
25	Development of Health Care Big Data Ecosystem (Health Eco 4.0) based on OMOP-CDM in Korea	Seng Chan You, Rae Woong Park
26	OMOP Common Data Model Extension for Genomic Data	Seo Jeong Shin, Seng Chan You, Jin Roh, Clair Blacketer, Rae Woong Park
27	Data Harmonisation : Enabling a federated model for research collaboration	Simon Lovestone, Mike Denis, David Newton, Tanya Smith
28	Candidate Concepts Recommendation Algorithm for Mapping local vocabulary to OMOP Standard Vocabulary Concepts	Su Man Nam, Doyeop Kim, Seng Chan You, Rae Woong Park
29	Mapping phenotype data of a biobank to OMOP common data model	Sulev Reisberg, Kristjan Metsalu, Harry-Anton Talvik, Jaak Vilo

Methods research

30	Bayesian penalized regression for OHDSI: alternative to computationally expensive cross-validations	Akihiko Nishimura, Yuxi Tian, Marc Suchard
31	Risk Stratified Analysis of Treatment Effect in Electronic Health Records	Alexandros Rekkas, Peter R. Rijnbeek, Jenna Repts, David Van Klaveren
32	Demonstration of the AEGIS: An R package for performing GIS visualization and statistical analysis in the OMOP Common Data Model	Jaehyeong Cho, Seng Chan You, Kyehwon Kim, Doyeop Kim, Rae Woong Park
33	Value of the Area Under the Receiver Operating Characteristic Curve for Validation of Prediction Models on Imbalanced Data Sets	Luis H. John, Jenna Repts, Peter R. Rijnbeek
34	Integrating OMOP-CDM Data Sources and OHDSI Analytic Services for the Investigation of Candidate Pharmacovigilance Signals	Pantelis Natsiavas, Richard D. Boyce, Erica A. Voss, Lee Evans, Anthony Sena, Vassilis Koutkias
35	Interpreting the effect of different concept sets, data domains and data provenances in cohorts from heterogeneous European data sources: examples of component strategy application from the EMIF and the ADVANCE projects	Rosa Gini, Giuseppe Roberto, Caitlin Dodd, Kaatje Bollaerts, Alessandro Pasqua, Lars Pedersen, Miguel Angel Mayer, Ron Herings, David Ansell, Sulev Reisberg, Lara Tramontan, Gino Picelli, Consuelo Huerta, Elisa Martin-Merino, Talita Duarte- Salles, Gianfranco Spiteri, Emmanouela Sdoná, Paul Avillach, Peter Rijnbeek, Miriam Sturkenboom

36 Stacked ensemble classifier for predicting disease onset using temporal and non-temporal data	Xiaoyong Pan, Peter Rijnbeek
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Tools	
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37 Serverless CDM Builder with AWS Lambda	Anton Ivanov, Alexey Arestenko, Gennady Anisimov, Maxim Draschinsky, Alexander Efimov
38 ARACHNE – Distributed OHDSI Research Network	Gregory Klebanov, Nikolai Puntikov, Pavel Grafkin
39 EMIF Catalogue meets OHDSI - Semi-automatic queries over distributed OMOP CDM databases	José Luís Oliveira, Luís Bastião Silva, Alina Trifan
40 Using Atlas in a federated network with remote databases	Lars Halvorsen, Sander Bylemans, Sey Vaneerdewegh, Peter Moorthamer, Michel Van Speybroeck