OHDSI

2019 Poster Session

Clinical Application

1	The future of Personalized Surgery in Denmark: using OMOP and the OHDSI community tools to predict 90-days mortality after colorectal cancer surgery	Rosen A, Derian N, Grafkin P, Allakhverdiiev E, Klebanov G, Drakos I, Gögenur I
2	Interpretable ML software to support discharge decisions at the ICU (Demo)	de Bruin, DP, Tonutti, M, Hovenkamp H, Thoral, P
3	Ontology-based representation and analysis of kidney adverse events following vaccinations	Yonghun He, Khadeejah Kahn, Anastasios Siapos, Sarah Seager, Mui Van Zandt
4	Emulating a randomised trial of unicompartmental and total knee replacement using real world evidence	Edward Burn, James Weaver, Daniel Morales, Albert Prats-Uribe, Antonella Delmestri, Victoria Y Strauss, Ying HE, Danielle E Robinson, Rafael Pinedo-Villanueva, Spyros Kolovos, Talita Duarte-Salles, William Sproviero, Dahai Yu, Michel Van Speybroeck, Ross Williams, Luis H. John, Nigel Hughes, Anthony G. Sena, Ruth Costello, Belay Birlie, David Culliford, Caroline O'Leary, Henry Morgan, Theresa Burkard, Daniel Prieto-Alhambra, Patrick Ryan
5	Empirical assessment of OHDSI case-based methods and case-population for the identification of drug–related outcome in the French nationwide healthcare database (SNDS)	Nicolas Thurin, Régis Lassalle, Patrick Blin, Marine Pénichon, Martijn Schuemie, Joshua J Gagne, Jeremy A. Rassen, Jacques Benichou, Alain Weill, Cécile Droz-Perroteau, Nicholas Moore
6	Development of Mechanical Ventilator Weaning Algorithm based on Common Data Model: Pilot Study	Sujeong, Hur, Junsang, Yoo, Won Chul, Cha
7	Development and Validation of a Prognostic Model Predicting Hemorrhagic Transformation in Acute Ischemic Stroke	Qiong Wang, Yuhui Zou, Jenna M. Reps, Henry Morgan Stewart, Kristin Feeney Kostka, Peter R. Rijnbeek, Erica A. Voss, Andrew Williams, Ross Williams, Mui Van Zandt, Ray Chen, Gowtham Rao, Thomas Falconer, Jami N. Jackson Mulgrave, Suranga N. Kasthurirathne, Margarita Fernandez-Chas, Rohit Vashisht, Seng Chan You, Stephen R. Pfohl, Patrick B. Ryan, Christian Reich
8	Development and Validation of Patient-Level Prediction Models for Adverse Outcomes Following Total Kness Arthroplasty	Ross D. Williams, Jenna M. Reps , Peter R. Rijnbeek, Dani Prieto Alhambra, Patrick B. Ryan
9	Dementia Prediction Using Routinely Collected Health Data	Luis H. John, Jan A. Kors, Jenna M. Reps, Peter R. Rijnbeek

Observational Data Management

10	Vocabulary mapping quality assessment in two European datasets; an Achilles extention	Maxim Moinat, Stefan Payralbe, Ilona Pinter, Marinel Cavelaars, Kees van Bochove, Rients van Wijngaarden
11	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
12	Conversion of Saudi Arabia Electronic Health Record using the OMOP Common Data Model, Challenges and Solutions	Fatemah A. Alnofal, Thamer M. Alshammary, Nasser F BinDhim, Clair Blacketer
13	Evaluating the Feasibility of the OMOP Common Data Model for Austrian Health Claims Data	Alexander Schöberl, Christoph Rinner, Walter Gall
14	Implementing OMOP CDM and OMOP Ecosystem in Korea	Gyeol Song, Hyunki Woo, Dahye Shin, Hye Jin KAM
15	OMOP CDM ETL conversion: dataset verification and validation	Alexandra Orlova, Mikhail Archakov

16	Challenges and opportunities of standardizing specialized data on hematologic malignancies	Ana Heredia, Michel van Speybroeck, Laura Jamilis, Rubén Villoria
17	FEEDER-NET (Federated E-health Big Data for Evidence Renovation Network) in Korea	Seongwon Lee, Seng Chan You, Ji-Young Hwang, Rae Woong Park
18	Quality control of OMOP-CDM implementation in the Information System for Research in Primary Care (SIDIAP) platform	Leonardo Mendez-Boo, Eduardo Hermosilla, Maria del Mar Garcia-Gil, Talita Duarte-Salles
19	Comparing EHR Data and a Research Database of Myeloma using i2b2 and OMOP Common Data Models	Miguel Pedrera Jiménez, Mª Teresa García Morales, Pablo Serrano Balazote, David Pérez del Rey, Laura Meloni, Joaquín Martínez López, Agustín Gómez de la Cámara
20	ICD-10 OMOP adoption: mapping inconsistencies, assessment of potential data loss and a solution to these problems	Polina Talapova, Dmitry Dymshyts, Christian Reich
21	Standardisation of European medical vocabularies and its incorporation to the OMOP CDM	Alexander Davydov, Dmitry Dymshyts, Vlad Korsik, Oleg Zhuk, Alina Vaziuro, Christian Reich
22	Semi-automatic incorporation of ICD-10-PCS Concepts into a comprehensive Procedure hierarchy based on SNOMED-CT in the OMOP Common Data Model	Dmitry Dymshyts, Eduard Korchmar, Christian Reich

Methods research

23	Proposal of ARGOS: A Rigorous Global Observation System for burden of diseases	Chulhyoung Park, Seng Chan You, Seongwon Lee, Rae Woong Park
24	Development of a R-package to Explore Heterogeneity of Treatment Effects: A Demonstration in Patients with Hypertension	Alexandros Rekkas, David Van Klaveren, Peter R. Rijnbeek
25	Assessing Strategies for Negative Control Selection	Erica A. Voss, Martijn J. Schuemie, Johan van der Lei, Peter R. Rijnbeek

Tools

26	Increasing Atlas performance using a nested OMOP model with Apache Spark (DEMO)	Michael Davies, Alex Tawse, Joana Cruz, Katie Mannering
27	An OMOP-based tool for surveying and visualising concurrent drug exposure and renal function (DEMO)	Kaas-Hansen BS, Derian N, Iannis Drakos, Ostropolets A, Davydov A, Andersen SE
28	A Data Integration Platform Exploiting the OMOP CDM: An Application in Molecular Cardiology	Elisa M. Zini, Valentina Tibollo, Matteo Gabetta, Andrea Mazzanti, Carlo Napolitano, Silvia G. Priori, Riccardo Bellazzi
29	GEMINI: A Visualizing tool for data quality between Common Data Model databases	Chungsoo Kim, Jun Hyeong Kim, Doyeop Kim, Seng Chan You, Seongwon Lee, Rae Woong Park
30	The European Health Data & Evidence Network portal – unveiling the EHDEN ecosystem in a nutshell (DEMO)	João Almeida, Alina Trifan, José Luís Oliveira
31	Collaborative, opensource and OMOP centric web application for international terminologies mapping	Nicolas Paris, Adrien Parrot
32	OHDSI ARACHNE Research Network (DEMO)	Gregory Klebanov, Pavel Grafkin
33	The EHDEN Academy: Enabling Large-Scale Community Training	Peter Rijnbeek, Luis H. John
34	Building a Library for Validated OMOP-CDM Queries	Peter Rijnbeek, Mees Mosseveld, Marcel de Wilde, Maxim Moinat, Alberto Gil Jimenez, Eldar Allakhverdiiev, Anthony Molinaro
35	OHDSI Technical Reference Architecture on Amazon Web Services	Susant Mallick