

Collaborator Showcase 2022 – 13:00 - 16:15

Session A in room: **Odyssee (Deck B)**

Observational data standards and management		
1	Conversion of Estonian health data into the OMOP CDM: insurance claims, prescription data and electronic health records	Marek Oja, Sirli Tamm, Sulev Reisberg, Raivo Kolde, Sven Laur, Hendrik Šuvalov, Harry-Anton Talvik, Jaak Vilo
2	The european health data & evidence network (ehden)—sharing the ohdsi journey and a vision of evidence today, not in several tomorrows	N. Hughes, D. Prieto-Alhambra, C. Diaz, P. Rijnbeek, on behalf of the EH DEN Consortium
3	FeederNet (Federated E-Health Big Data for Evidence Renovation Network) platform in Korea	Seongwon Lee, Chungsoo Kim, Junhyuk Chang, Rae Woong Park
4	The Finnish OMOP data network (FinOMOP)	Anna Hammis, Persephone Doupi, Sampo Kukkurainen, Perttu Koskenvesa, Javier Gracia-Tabuenca, Oscar Brück, Leena Hakkarainen, Annu Kaila, Gustav Klingstedt, Kalle Kollin, Juha Koski, Jan Magnusson, Toni Mikkola, Pasi Rikala, Simo Ryhänen, Max Salmi, Ilona Siljander, Pia Tajanen, Juha-Matti Varjonen, Arto Vesterbacka, Arto Vuori, Arho Virkki, Tarja Laitinen, Kimmo Porkka
5	The journey from central operational data-lake to Medica Centers CDM network	Guy Livne, Nadav Rappoport, Nir Makover, Hadas Eshel-Geva, Hadar Kapach, Tomer Hadad, Yarin Alon, Naama Perry-Cohen
6	Integration prospects of the Ukrainian healthcare system with OMOP CDM	Tetiana Aleksandrova, Polina Talapova, Denys Kaduk, Maksym Trofymenko, Mariia Kolesnyk, Inna Ageeva, Max Ved
7	Norwegian registries onto OMOP Common Data Model: mapping challenges and opportunities for pregnancy studies	Nhung Trinh, Jared Houghtaling, Fabian Leonardo Martinez Bernal, Eimir Hurley, Emma Gesquiere, Lars Halvorsen, Hedvig Marie Egeland Nordeng
8	Transforming Danish Registries to the OMOP Common Data Model: use case on the Danish Colorectal Cancer Group (DCCG) Database	Andi Tsouchnika, Maliha Mashkoor, Andreas Weinberger Rosen, Eldar Allakhverdiiev, Jared Houghtaling, Freija Descamps, Mikail Gögenur, Viviane Annabelle Lin, Johan Stub Rønø Clausen, Karoline Bendix Bräuner, Julie Sparholt Walbech, Soham Ravindra Shinde, Ismail Gögenur
9	Semantic harmonization of the French National healthcare database (SNDS)	Lorien Benda, Cécile Roseau, Nicolas Thurin, Stéphanie Combes
10	OHDSI Germany: A recap after one year	Elisa Henke, Yuan Peng, Najia Ahmadi, Joshua Wiedekopf, Mareike Przysucha, Josef Schepers, Martin Sedlmayr, Ines Reinecke
11	OHDSI Italia: the Italian national node of OHDSI Europe	Lucia Sacchi
12	PHAROS, Platform for Harmonizing and Accessing Data in Real-time on Infectious Disease Surveillance Based on OMOP-CDM in Korea	Chungsoo Kim, Jimyung Park, Seongwon Lee, Rae Woong Park
13	Ensuring Data Quality in a Federated Data Network	Wout Vekemans, Michel Van Speybroeck
14	Applying k-anonymity and l-diversity in OMOP CDM databases	João Rafael Almeida, José Luís Oliveira
15	OMOP Genomic mapping capacities in conversion of comprehensive genomic profiling results	Maria Rogozhkina
16	Mapping PROMs data from the Dutch PROFILES registry to the OMOP CDM - experiences and challenges	Peter Prinsen, Chiara Attanasio, Corina van den Hurk, Nicole Horevoorts, Sebastiaan van Sandijk
17	OMOP project evolvement at Technische Universität Dresden over the past years	Ines Reinecke, Michéle Zoch, Yuan Peng, Elisa Henke, Najia Ahmadi, Martin Sedlmayr
18	Performance Improvement on mapping CPRD GOLD to OMOP CDM	Barrack Omondi, Daniel Prieto-Alhambra, Antonella Delmestri
19	OMOP CDM for European rare disease registries	Rowdy de Groot, Nirupama Benis, Pablo Alarcon, Rajaram Kaliyaperumal, Marco Roos, Ronald Cornet, Nuria Queralt-Rosinach
20	Challenges and solutions in using OMOP CDM to FAIRify a Dutch ICU quality registry	Daniel Puttmann, Nicolette de Keizer, Ronald Cornet, Eric van der Zwan, Ferishta Bakhshi-Raiez
21	A standard ETL process from REDCap to OMOP	Francesco Pozzoni, Matteo Gabetta, Mauro Bucalo, Nicola Barbarini
22	Current Status of OMOP-CDM in Asia-Pacific regions and Lessons for Data Quality Assessment: Collaborative CDM Inspection Study	Chungsoo Kim, Seongwon Lee, Jing Li, Can Yin, Jiawei Qian, Clair Blacketer, Anthony Molinaro, Dinuja Willigoda Liyanage, Mui Van Zandt, Rae Woong Park
23	Mapping UKB to the OMOP CDM: Challenges and Solutions	Sofia Bazakou, Maxim Moinat, Alessia Peviani, Anne van Winzum, Stefan Payralbe, Vaclav Papez, Spiros Denaxas
24	Mapping of complex constructs in OMOP CDM	Alexander Davydov, Christian Reich
25	Challenges and possible solutions for the maintenance of the OMOP CDM Standardized Vocabularies	Eduard Korchmar, Mariia Kolesnyk, Polina Talapova, Denys Kaduk
26	Mapping concepts from the Netherlands Cancer Registry to the OMOP-CDM - experiences and challenges	Chiara Attanasio, Floor Klijn, Jennifer Caffarel, Peter Prinsen
27	Common data environment for source vocabularies mapping	Irina Zherko
28	Pregnancy extension table in the OMOP CDM	Alicia Abellan, Edward Burn, Nhung Trinh, Sergio Fernández-Bertolín, Eimir Hurley, Daniel R. Morales, Hedvig Marie Egeland Nordeng, Talita Duarte-Salles
29	Comparing Data Quality Dashboard results from consecutive ETL iterations: two new visualizations and one utility script	Elena G. Lara, Maxim Moinat, Anne van Winzum
30	An EH DEN Data Partner Experience: Transforming the Hospital i2b2 data repository into OMOP common data model	Maria Teresa García Morales, Miguel Pedrera Jimenez, Noelia García Barrio, Diego Boscá Tomás, Pablo Serrano Balazote, David Lora Pablos, Agustín Gómez de la Cámara

Open-source analytics development

31	A dashboard for visual comparison of OMOP CDM databases	André Pedrosa, João Rafael Almeida, Michel Van Speybroeck, Maxim Moinat, Peter R. Rijnbeek, José Luís Oliveira
32	The EHDEN Platform Roadmap	Michel Van Speybroeck, Maxim Moinat, Julia Kurps, Sebastiaan Van Sandijk, José Luís Oliveira, Peter Rijnbeek
33	CohortsExport: A Shiny app to explore and export data from the OMOP Common Data Model	Vittoria Ramella, Matteo Gabetta, Nicola Barbarini
34	EHDEN Academy – a global educational collaboration with OHDSI	Nigel Hughes, Henrik John, Michela Miani, Inari Soininen, Richard Tischler, Patrick Ryan, Peter Rijnbeek
35	Two Hurdles in delivery of productised analytics	J Brewster, J Li, Sarah Seager, Christian Reich
36	Miniaturizing Data Harmonization; Methods to Facilitate Training in the OMOP Data Ecosystem	Emma Gesquiere, Jared Houghtaling, Ivo Mbi Kubam, Frederic Jung, Ben Burke, Freija Descamps, Lars Halvorsen
37	The EHDEN Portal – an entry web platform for OMOP CDM resources	João Rafael Almeida, André Pedrosa, Nigel Hughes, Peter Rijnbeek, José Luís Oliveira
38	OHDSI-On-A-Pi: Containerization of OHDSI Software Tools for Use on a Raspberry Pi	Jared Houghtaling, Lars Halvorsen
39	Perseus Design and run your own ETL to CDM	Anton Ivanov, Samus Sergey, Alexander Efimov, Maxim Draschinsky
40	From ATLAS to predictive modeling CDM data extracting & Study preparations	Guy Livne, Nadav Rappoport, Nir Makover, Hadas Eshel-Geva, Hadar Kapach, Tomer Hadad, Yarin Alon, Naama Perry-Cohen
41	Mapping UK Biobank to the OMOP CDM: development of USAGI	Maxim Moinat, Sofia Bazakou

Software demonstrations

42	ARACHNE Network - Federated Study Execution 13:00 – 14:30	Gregory Klebanov, Alexey Manoylenko, Sebastiaan van Sandijk
42	Towards Data Visualization in Cancer Research Using the Oncology Extension: Episodes in Lung Cancer Comparing Synthetic And Real World Data 14:30 – 16:15	Matteo Gabetta, Francesco Pozzoni, Rita De Molfetta, Tommaso Mario Buonocore, Miguel Pedrera Jiménez, Noelia García Bario, Blanca Baselga Peñalva, María Teresa García Morales, Diego Boscá Tomás, Paula Rubio Mayo, Alberto Tato Gómez, Víctor Quirós González, Luis Gonzaga Paz-Ares Rodríguez, Pablo Serrano Balazote, Jose Luis Bernal Sobrino, Martine Lewi, Jose-Felipe Golib-Dzib

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Session B in room: La Fontaine (Deck B)

Clinical applications

43	Pharmacological treatment pathways of chronic cough in adults in primary care in the Netherlands: A population-based study	Johnmary T. Arinze, Solomon Ioannou, Aniek F. Markus, Guy Brusselle, Peter R. Rijnbeek, Katia M.C. Verhamme
44	TROY: Trials Replication through Observational study by Yonsei	Jaehyeong Cho, Chungsoo Kim, Kyulee Jeon, Ju-Young Shin, Rae Woong Park, Kyung Won Kim, Seng Chan You
45	Implementing the OHDSI Community Approach to Phenotype a Complex Medical Condition in European Primary Care Data	Kristin Kostka, Evan Minty, Antonella Delmestri, Barrack Omondi, Martí Català, Edward Burn, Daniel Prieto-Alhambra, Annika M. Jödicke
46	OMOP Mapping of Real-World Data From Brazil & Pakistan Towards Management of COVID-19 In the Global South	Elzo Pereira Pinto Junior, Priscilla Normando, Leandro Rodor de Oliveira, Muhammad Asaad Jamil, Muhammad Usman Afzal, Sergio Fernandez Bertolin, Vinícius de Araújo Oliveira, Rafael Souza, Maria Yury Ichihara, Maurício L. Barreto, Talita Duarte Salles, Daniel Prieto-Alhambra, Haroon Hafeez, Sara Khalid
47	Characterization of Health by OHDSI Asia-Pacific chapter to identify Temporal Effect of the Pandemic for Cardiovascular Diseases (CHAPTER-CVDs)	Seng Chan You, Subin Kim, Yongjae Lee, Jing Li, Can Yin, Mui Van Zandt
48	Macrolides use among patients with asthma and chronic obstructive pulmonary disease – A drug utilization and prediction study	Victor Pera, Helen Panen, Maria de Ridder, Lies Lahousse, Peter Rijnbeek, Katia Verhamme
49	Developing a frailty concept in the OMOP CDM among sexual minority older adults (age 50+) in the All of Us database	Brianne Olivieri-Mui, Chelsea Wong, Michael Wilczek, Jordan Bosse
50	Trial feasibility assessments in federated hospital EHR networks, based on OMOP CDM: An objective of the IMI EU-PEARL Consortium	Eva-Maria Didden, Maxim Moinat, Esther Arevalo de Andres, Camille Couvert, Britt Dhaenens, Susana Kalko, Andreas Kremer, Martine Lewi, Cécile Spiertz, Eng Hooi Tan, Courtney Worrell, Nadir Ammour, Dipak Kalra
51	A pilot study to evaluate the feasibility of using Observational Health Data Sciences and Informatics analytics tools for supporting the validation of safety signals	Ceyda Tugba Pekmez Kristiansen, Lasse Christensen, Michael Stellfeld, Atheline Major-Pedersen, Ditte Mølgaard-Nielsen, Mark White, Peter Jelnes
52	Impact of the COVID-19 pandemic on eating disorders among adolescents and young adults in Catalonia: a population-based cohort study	Berta Raventós, Alicia Abellan, Andrea Pistillo, Carlen Reyes, Edward Burn, Talita Duarte-Salles
53	Informativeness of clinical lymph node metastasis staging for patients undergoing curative intended surgery for colorectal cancer: A national multi-register study	Andreas Weinberger Rosen, Ilze Ose, Adamantia Tsouchnika, Ismail Gögenur
54	Characteristics and outcomes of inflammatory bowel disease patients: an open, multinational OHDSI network study	Chen Yanover, Ramit Magen-Rimon, Jimyung Park, Rae Woong Park, Kwang Jae Lee, Sung Jae Shin, Nadav Rappoport, Tal El-Hay, Maytal Bivas-Benita, Pinchas Akiva, Yehuda Chowers, Roni Weissshof
55	Characterization of Health by OHDSI Asia-Pacific chapter to identify Temporal Effect of the Pandemic for Diabetes Mellitus (CHAPTER-DM)	Yizhi Dong, Seng Chan You, Subin Kim, Jing Li, Can Yin, Mengling Feng

Methodological research

56	Defining the valid analytic space for quantitative bias analysis in pharmacoepidemiology	James Weaver, Patrick B Ryan, Victoria Strauss, Marc A Suchard, Joel Swerdel, Daniel Prieto-Alhambra
57	Impact of random oversampling and random undersampling on the development and validation of prediction models using observational health data	Cynthia Yang, Egill A. Fridgeirsson, Jan A. Kors, Jenna M. Reps, Peter R. Rijnbeek
58	Why predicting risk can't identify 'risk factors': empirical assessment of model stability in machine learning across observational health databases	Aniek F. Markus, Peter R. Rijnbeek, Jenna M. Reps
59	Analyzing the impact of COVID-19 on the healthcare system: an OMOP-CDM framework applied to Northern Italy	Sara Conti, Matteo Spezia, Carlo Franceschini, Elvira Beato, Roberta Ciampichini, Giacomo Crotti, Dario Montermini, Lorenzo Giovanni Mantovani, Alberto Zucchi
60	The performance of overlap weighting vs inverse probability of treatment weights to minimize confounding and systematic error in COVID-19 vaccine effectiveness: an empirical evaluation study	Martí Català, Edward Burn, Trishna Rathod-Mistry, Antonella Delmestri, Daniel Prieto-Alhambra, Annika M. Jödicke
61	Concept extraction from Dutch clinical text	Tom M. Seinen, Jan A. Kors, Erik M. van Mulligen, Peter R. Rijnbeek
62	Assessing treatment effect heterogeneity using the RiskStratifiedEstimation R-package	Alexandros Rekkas, David van Klaveren, Peter R. Rijnbeek
63	The use of data-driven vs. clinical based propensity score in covid-19 vaccine safety research	Xintong Li, Edward Burn, Daniel Prieto-Alhambra
64	An Iterative Hard Thresholding Method for Patient Level Prediction Models	Mathilde G.I. Tans, Jenna R. Reps, Ross D. Williams
65	Real-world evidence is in demand: a summary of 'live' requests for RWE studies published by a European health technology assessment (HTA) agency	Jamie Elvidge, Ravinder Claire, Shane Collins, Dalia Dawoud
66	Utilising real-world evidence for health technology assessment: development of a cancer survival use case	Ravinder Claire, Jamie Elvidge, Dalia Dawoud
67	Learning robust models from limited external statistics	Tal El-Hay, Chen Yanover
68	Combining real-world and clinical trial data to estimate COVID-19 treatment effects	Ravinder Claire, Christina Read, Jamie Elvidge, Thomas Debray, Dalia Dawoud
69	External validation of existing dementia prediction models on observational data	Luis H. John, Jan A. Kors, Egill A. Fridgeirsson, Jenna M. Reps, Peter R. Rijnbeek

70	De-identification of Clinical Notes for Patients with Infectious Disease and Topic Modeling using Latent Dirichlet Allocation	Jimyung Park, Chungsoo Kim, RaeWoong Park
71	Using geospatial approaches and machine learning for asthma and COPD outcomes: a systematic review	Daniel Jeannetot, Johnmary Arinze, Victor Pera, Peter Rijnbeek, Katia Verhamme
72	Patient treatment trajectory modeling with Markov chains	Markus Haug, Raivo Kolde, Marek Oja, Maarja Pajusalu
73	Development of an analytical pipeline for data-driven trend detection in routinely collected health data	Anthony G. Sena, Peter Rijnbeek, Dani Prieto-Alhambra, Sara Khalid
74	TrajectoryViz: Interactive visualization of treatment trajectories	Marek Oja, Sirli Tamm, Markus Haug, Raivo Kolde
75	Development of Prediction Models using Deep Learning on Dutch Unstructured Clinical Text	Gyan de Haan
76	RCTrep: A package for the validation of methods for treatment effect estimation using real world data	Lingjie Shen, Gijs Geleijnse, Maurits Kaptein

Software demonstrations

77	A Prediction Model Library 13:00 – 14:30	Ross D. Williams, Sicco den Otter, Jenna M. Reys, Peter R. Rijnbeek
77	Active Pharmacovigilance using Real-World Data: Integrating OMOP-CDM in the PVclinical platform 14:30 – 16:15	Vlasios K. Dimitriadis, Stella Dimitsaki, George I. Gavrilidis, Christine Kakalou, Achilleas Chytas, Pantelis Natsiavas