EUROPE

OHDSI

OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

EUROPEAN OHDSI SYMPOSIUM

Rotterdam

OHDSI EUROPE SYMPOSIUM 2026

Continuous Collaboration for Living Evidence Generation

Monday April 20th, 2026

SS Rotterdam (NETHERLANDS)

Organized by:

OHDSI
OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

Erasmus MC
University Medical Center Rotterdam

Health Data Science

Welcome to OHDSI Europe 2026!

Before we start, here are two things to consider:

- **Wifi for all**
  You can use Wi-Fi with name “Welkom SS Rotterdam“ and password “Rotterdam21“

- **Balcony seats available**
  If the seats down in the theatre are full (or you want a nice view), please consider taking a seat on the balcony.

Time	Symposium Agenda - Monday April 20, 2026	Location
8:00	***Registration and Coffee***	Queen's Lounge
9:00	**Welcome to OHDSI Europe** Dr. Renske Los, Department of Medical Informatics, *Erasmus MC* Dr. Aniek Markus, Department of Medical Informatics, *Erasmus MC*	Theatre
9:05	**Journey of OHDSI** Prof. Peter Rijnbeek, Chair Department of Medical Informatics, *Erasmus MC*	Theatre
9:30	**Collaborator Showcase - part 1** Moderated by Dr. Egill Fridgeirsson, Department of Medical Informatics, *Erasmus MC* **1. Extending FastOMOP to the OHDSI Application Layer** Niko Moeller-Grell, *King's College London*, UK **2. An Iterative Annotation Pipeline for Building Clinical Datasets and Training Information Extraction Models: The PREPARE Project** Eric Calcina, *Jožef Stefan Institute,* SLOVENIA **3. Completeness and characteristics of breastfeeding data in SIDIAP** Laura Granés, *IDIAPJGol*, SPAIN **4. Validation of OMOP-Based Secondary Healthcare Resource Use and Cost Estimates for Federated Health Economics Analyses in the UK** Gianluca Fabiano, *University of Oxford,* UK	Theatre
10:00	**Speed networking**	Theatre
10:15	***Coffee Break & posters National Nodes***	Queen's Lounge
11:15	**Collaborator Showcase - part 2** Moderated by Dr. Egill Fridgeirsson, Department of Medical Informatics, Erasmus MC **1. Genetic Validation of Evidence-Based Phenotype Refinement in EHR Data** Marika Kaakinen, *FinnGen, University of Helsinki*, FINLAND **2. Insights on Developing a Federated Machine Learning Prediction Model on Danish and Norwegian Colorectal Cancer Data** Samuel Wiqvist, *Zealand University Hospital*, DENMARK **3.DARWIN EU® - Clozapine and the incidence of agranulocytosis over time** Dina Vojinovic, *IQVIA*, THE NETHERLANDS **4. Real-World Evidence on SGLT2 inhibitor utilization across cardiorenal phenotypes in Belgium: a federated OMOP-CDM and NLP-enabled hospital network study** Bart Verheyden, *AstraZeneca BeLux*, BELGIUM	Theatre

Time	Symposium Agenda - Monday April 20, 2026	Location
11:45	**Dreaming about the OHDSI journey ahead** Dr. Patrick Ryan, Vice President, Observational Health Data Analytics, *Johnson & Johnson* Dr. Renske Los, Department of Medical Informatics, *Erasmus MC*	Theatre
12:15	***Lunch break & networking & posters/demo's*** *(Early investigator meeting - 13:00-13:45 Queen's Lounge)*	La Fontaine & Odyssee Room
13:45	**From dreams to reality** *Featuring 3 OHDSI Titan Award winners*: Maxim Moinat, Department of Medical Informatics, *Erasmus MC* Anthony Sena, Global Epidemiology, *Johnson & Johnson* & Department of Medical Informatics, *Erasmus MC* Polina Talapova, *SciForce & Tufts Medical Center*	Theatre
14:30	**Propositions for collaboration from the National Nodes** National Node leads	Theatre
14:45	***Coffee break & posters/demo's***	La Fontaine & Odyssee Room
16:15	**The OH!-Factor** *4 OHDSI OG's will take the stage for a secret mission*	Theatre
17:00	**Closing** Prof. Peter Rijnbeek, Chair Department of Medical Informatics, Erasmus MC	Theatre
17:15	***Networking reception***	Queen's Lounge

Thanks for your support!

After a great OHDSI Europe Symposium in Hasselt last year, we are happy to receive you all again in Rotterdam for a new Symposium with refreshed agenda! Because of the good experiences in the past, the SS Rotterdam is again our hosting location.

The organization of this symposium would not have been possible without the generous support of our sponsors. We sincerely thank them for their contributions, which help bring the OHDSI community together to improve health outcomes for patients around the world.

The Erasmus University Medical Center is the largest of the eight university medical centers in The Netherlands and the host for the OHDSI Europe pre-symposium weekend in 2026.

The Department of Medical Informatics is an interdisciplinary research group within Erasmus MC that studies new methods for acquiring, representing, processing, and managing data and knowledge in health care and biomedical sciences in close collaboration with academic partners, physicians, regulators and industry. It has a strong commitment to open science. The department has developed land marking infrastructure and software for distributed analysis of electronic health records. The group is leading the European OHDSI Chapter and represents the DARWIN EU® Coordination Centre.

https://www.erasmusmc.nl/en/research/departments/medical-informatics *and*
https://www.healthdatascience.nl/

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OUR SOLUTIONS

OMOP CDM Conversion
Global data standardization

- EMR, claims & clinical trial ingestion
- OHDSI analytics compatability
- Custom vocabulary & ETL tooling (Argo, Statius)
- Non-OMOP data ingestion

Prometheus Platform
Federated data analytics

- Enterprise grade, 100% ATLAS/OMOP compatible
- Cohort building & artifact libraries
- Distributed analytics on OMOP & non-OMOP
- Treatment pathways & safety analysis
- Regulatory & data privacy compliance

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EUROPEAN HEALTH DATA & EVIDENCE NETWORK

EHDEN Foundation

Vision

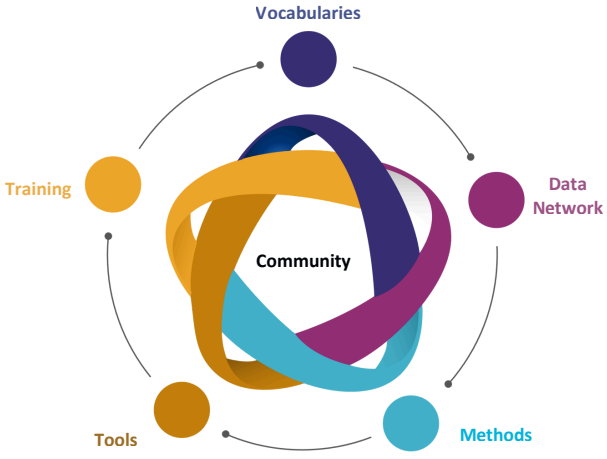
The EHDEN Foundation aspires to be the trusted key actor in Europe to facilitate and accelerate the generation of high-quality real-world evidence to improve healthcare of patients.

Mission

Our mission is tooperationalise a new paradigm for the discovery and analysis of health data, building on a large-scale federated network of data sources standardised to the OMOP CDM.

KEY RESEARCH ACTIVITIES

Advisory	**Studies**	**Research Programmes**	**Training**
Data Landscaping	**Disease Epidemiology**	**Neuroscience**	**Study-a-thon**
Feasibility	**Drug Utilisation**	**Oncology**	**Online Training**
Study Design	**Drug Safety/Effectiveness**	*Other*	**On-site Training**

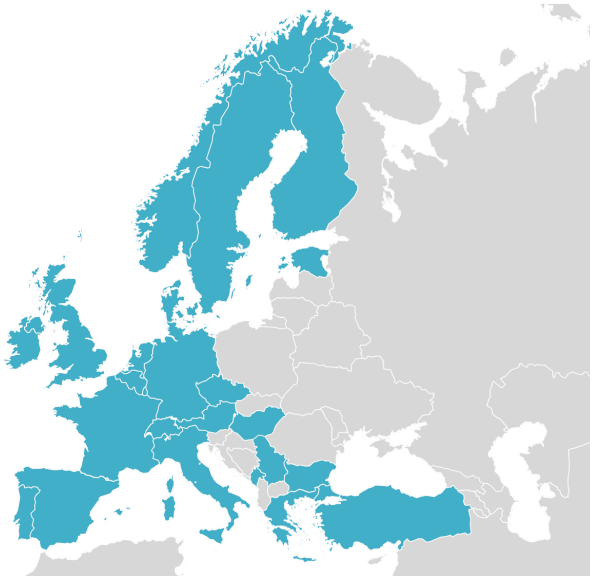


Community

To implement its vision, the EHDEN Foundation will maintain the EHDEN Catalogue and EHDEN Academy, create research opportunities for multiple stakeholders, execute federated studies and support methodological and technical developments to further expand and improve the Data Partner Network in strong collaboration with the OHDSI community.

EHDEN Network

The EHDEN Foundation network gathers over 100 Data Partners mapped to OMOP CDM, who have signed a Memorandum of Understanding and/or a Framework Agreement with the EHDEN Foundation.



For more information: info@ehden.eu

Stichting EHDEN, Weena 505, 3013AL, Rotterdam (The Netherlands)

The Hyve is the data & informatics service provider for life science organizations looking to align their data infrastructure with their research needs. We provide services regarding biomedical informatics solutions to most of the top 20 biotech and pharmaceutical companies, hospitals, universities, and medical centres in the United States and Europe, including Dana-Farber Cancer Institute in Boston and King's College London. We also collaborate with biobanks, registries, and patient organisations worldwide.

Our mission is to enable open science by developing and implementing open-source solutions and FAIRifying data in the life sciences. We have extensive experience with open-source tools such as cBioPortal, Open Targets, **OHDSI/OMOP**, and RADAR-base. Our portfolio of services includes Data Engineering, Data Quality, Data Modeling, Semantic Modeling, and AI Integration.

www.thehyve.nl

OMOP-Based Observational Research at Scale

IQVIA applies the **OMOP Common Data Model** (CDM) to support standardized, reproducible observational research across diverse real-world data sources. Data are transformed to the OMOP CDM with standardized vocabularies, enabling consistent analytic execution across databases and regions.

Analyses are conducted in a **federated model**, where shared analytic logic is developed once and executed locally by data partners. This approach supports reproducibility, methodological consistency, and scalable multi-database research while respecting local data governance and privacy requirements.

www.iqvia.com

At **IOMED**, we operate an AI-powered Data Space Platform designed to enable Data Spaces and mediate health data for secondary use in a compliant manner. We activate data from both structured and unstructured sources, including human-written clinical records, through our Natural Language Processing system.

All data is standardized into the **OMOP Common Data Model** and never leaves hospitals' in-house systems, thanks to our federated data model. This enables a comprehensive understanding of healthcare information while maintaining the highest standards of data protection and security.

www.iomed.health

MTG Research and Development Lab is an R&D lab dedicated to transforming healthcare by unlocking the power of real-world data. We specialize in generating robust real-world evidence (RWE) and advancing implementation science, enabling healthcare organizations to make more informed, data-driven decisions for improved patient care and system sustainability.

Our pioneering "algorithm-goes-to-data" methodology ensures that sensitive patient information remains secure within healthcare institutions, while our advanced analytical capabilities extract meaningful scientific insights. This privacy-preserving approach, fully compliant with GDPR and European data protection standards, facilitates cross-institutional collaboration without compromising data integrity.

Since 2021, as a certified EHDEN (European Health Data & Evidence Network) partner, MTG Research has been at the forefront of harmonizing health data to the **OMOP-CDM** standard across national and international projects. Our multidisciplinary team of physicians, data scientists, and researchers brings deep clinical understanding and technical expertise to every collaboration. We partner with healthcare organizations, pharmaceutical companies, and scientific societies to design and execute end-to-end RWE and implementation science studies, from data harmonization and advanced analytics to clinical interpretation and results dissemination, ultimately transforming healthcare through evidence that matters.

www.mtg.pt

BIOMERIS was founded in 2012 as academic spin-off of the University of Pavia, from the Laboratory of Biomedical Informatics "Mario Stefanelli", active since 1982 in the field of medical informatics. We are among the first companies in Europe certified by IMI2-EHDEN.

We are actively collaborating with the University of Pavia to run the Italian node of OHDSI Europe.

BIOMERIS is UNI EN ISO 9001 and UNI EN ISO 27001 certified, for an **OMOP implementation** which adheres to state-of-the art security standards.
The technical-scientific know-how of our team, mostly Biomedical Engineers and PhDs in Bioinformatics and Bioengineering, constitutes the real added value of our company: we have more than ten years of experience in data integration projects and construction of infrastructures for the reuse of clinical data for research purposes. Some summary figures: 200+ Projects, 10.000.000+ Patients, 2.000.000.000+ Clinical observations.

We have experience in many OMOP-related data harmonization and development projects: 12 IMI2-EHDEN projects with clinical research partners; support to DARWIN EU data partners; integration with REDCap; HL7 FHIR API layer; ShinyApp for data export and an ETL quality validation framework.

www.biomeris.it

LynxCare is a Belgian health data technology company founded in 2015 with a clear mission: to make clinical data accessible, usable, and actionable to improve patient outcomes. Today, hospitals across Europe rely on LynxCare's platform to transform raw electronic health records into research-grade, structured datasets.

LynxCare's proprietary clinical Natural Language Processing (cNLP) pipelines converts unstructured data (i.e. free text in clinical notes) into **OMOP-compliant**, regulatory-grade datasets. With validated deployments in oncology, cardiology, and mental health, and collaborations with global pharmaceutical leaders, LynxCare has become a trusted partner in real-world evidence (RWE) generation.

www.lynx.care

Collaborator Showcase

Software Demonstrations - ***La Fontaine (Deck B)***

Omopstudybuilder: Reproducible Multi-Site OMOP Network Studies

12:15 - 13:45

OmopStudyBuilder automates the setup and standardisation of OMOP CDM network studies.
The R package generates project templates with preconfigured folder structures, integrates GitHub version control with automated code-review checklists, manages dependencies via renv, and supports Docker containerisation for reproducible multi-site execution. This demonstration shows how OmopStudyBuilder reduces study setup time while ensuring compliance with OHDSI best practices.
GitHub: https://github.com/oxford-pharmacoepi/OmopStudyBuilder

by Moronfoluwa Akintola

Atlas 3.0: Building the Next Generation of OHDSI ATLAS

12:15 - 13:45

As the OHDSI community expands and use cases grow, the original ATLAS platform presents a steep learning curve for new users. This demonstration introduces Atlas 3.0, a ground-up reimplementation designed to make cohort building more intuitive, while preserving full backward compatibility with existing definitions and WebAPI infrastructure.
Built on a modern tech stack, Atlas 3.0 lowers the entry barrier through an improved user experience, contextual guidance, and progressive disclosure. The demonstration will showcase the redesigned interface, functional parity for core workflows, a new modular plugin architecture, and a bidirectional conversion service enabling seamless migration from Atlas 2.x.

by Peter Hoffmann

OmopViewer: A Shiny-Based Framework for Interactive Exploration of Standardised OMOP-CDM Results

12:15 - 13:45

OmopViewer is an open-source R package for generating interactive Shiny applications to explore standardised OMOP-CDM analytical results. It supports two modes: a quick interactive mode for immediate visualisation of results (you can upload results and they are automatically visualised), and a code-generation mode that produces fully editable R Shiny apps allowing further customisation. The package integrates with a wide range of OHDSI tools (e.g., Incidence Prevalence, DrugUtilisation, CohortCharacteristics, OmopSketch, CodelistGenerator) and ensures consistent, reusable visualisation of results.
GitHub: https://github.com/OHDSI/OmopViewer/

by Martí Català Sabaté

Collaborator Showcase

Software Demonstrations - ***La Fontaine (Deck B)***

Towards a Standard Concept Recommendation for Federated Intensive Care Research: The INDICATE Data Dictionary

12:15 - 13:45

The INDICATE Data Dictionary is an open-source web application developed within the EU-funded INDICATE project, which is building a federated infrastructure for intensive care research across 15 data providers in 12 European countries. It offers 332 expert-reviewed OMOP concept sets, organized in nine clinical categories and curated to meet the requirements of the project's six clinical use cases. Built on the OHDSI Concept Set Specification and interoperable with ATLAS, it adds versioning, peer review workflows, and expert clinical guidance to support federated ICU research across Europe.

by Boris Delange

A tool for benchmarking updated OMOP CDM instances against previous versions: A pilot study in SIDIAP

12:15 - 13:45

A simple and reproducible workflow to compare successive versions of databases mapped to the OMOP Common Data Model (CDM) is presented. The approach is implemented using RMarkdown and produces a structured, highly visual report summarising differences in key tables and data characteristics between two CDM instances. We illustrate its use with the SIDIAP database by comparing two CDM versions to explore changes in data content and structure, highlighting potential issues and supporting quality checks during the mapping process.

by Agustina Giuliodori-Picco

EHR Browser: A Web Tool to Explore OMOP-CDM Health Records by Concept Hierarchy, Mappings, and Temporal Trends

12:15 - 13:45

The EHR Browser is an interactive web application designed for visualizing and exploring single concepts or concept sets within an OMOP-CDM database. The tool allows users to interactively build a concept set and instantly visualize the hierarchy tree, displaying record count for each of its descendants. A complementary side plot shows the record counts over time and can be dynamically filtered by sex and age.

This intuitive visual approach supports several key use cases: visualizing the immediate effects of adding descendants or applying exclusions within a concept set, identifying temporal data gaps (such as missing drug formulations due to localized reimbursement policies), tracking drug utilization over time (highlighting market shifts in blood glucose medications), and seamlessly detecting source mapping errors (such as specific ICD-9 codes being incorrectly mapped to broader parent concepts). Easily deployable via Docker, the EHR Browser serves as a powerful, unified companion for visually shaping, validating, and understanding clinical cohorts.

by Javier Gracia-Tabuenca

Collaborator Showcase

Software Demonstrations - La Fontaine (Deck B)

Data-driven overview of care trajectories among one-third of the Estonian population

12:15 - 13:45

We demonstrate data-driven care trajectories derived from one-third of the Estonian population. Using a web app, users can explore approximately 1,000 diseases together with CohortContrast results that highlight the concepts most specific to each disease cohort.

by Markus Haug

OmopConstructor: Flexible Construction of OMOP-CDM Tables for Consistent Observation Periods and Extended Derived Data

14:45 - 16:15

OmopConstructor is an open-source R package for constructing observation periods and other derived tables. It addresses the lack of standardised approaches to defining observation periods (particularly in secondary care data) an issue that can substantially impact real-world evidence studies. The package provides flexible, data- driven methods to generate observation periods and supports additional derived tables such as Drug era table, Achilles tables, and the pregnancy extension table, all directly from clinical data.
GitHub: https://github.com/OHDSI/OmopConstructor/

by Martí Català Sabaté

Extending HADES: Incorporating GIS and Waveform Data in a Workflow that Supports Large-Scale, Multi-Site Studies

14:45 - 16:15

This demonstration showcases two new packages that extend the OHDSI's HADES analytics pipeline to incorporate non-standard clinical data—specifically geographic/environmental exposures (GIS data) and physiological waveforms (ECG features)—through custom extension tables while maintaining compatibility with existing OMOP CDM workflows.
The GIS workflow defines patient cohorts using environmental criteria (e.g., asthma patients exposed to high PM2.5 pollution levels) and extracts spatial covariates including air quality indices and social determinants of health, while the Waveform workflow creates cohorts using physiological measurements (e.g., atrial fibrillation patients with high RR interval irregularity) and leverages waveform-derived features.
Both workflows illustrate the complete analytical pipeline from custom domain registration and cohort definition through covariate extraction and patient-level prediction modelling, achieving strong predictive performance that validates the framework's ability to leverage extension table features alongside standard CDM data within the OHDSI tool stack.

by Jared Houghtaling

Collaborator Showcase

Software Demonstrations - La Fontaine (Deck B)

A Semi-Automated Pipeline for Extracting and Standardizing Clinical Concepts from Unstructured Medical Records

14:45 - 16:15

Unlocking the clinical value hidden in free-text medical records is one of healthcare's most persistent challenges. The PREPARE Extraction Tool is one response to it. This semi-automated pipeline transforms unstructured clinical notes into structured, OMOP CDM-compatible data ready for AI modelling and observational research, guiding users through three connected stages: named entity recognition to extract clinically relevant terms, semantic clustering to consolidate concept variants and reduce redundancy, and vocabulary mapping to align concepts with standardised OHDSI terminologies via Athena.

Human validation is embedded at every stage to ensure semantic accuracy and clinical relevance. Supporting both LLM- and GLiNER- based extraction, the tool is multilingual, domain-adaptable, and achieves F1 scores of up to ~0.8 when fine-tuned. The prototype was developed as part of the EU- funded PREPARE project and is currently undergoing real-world testing in clinical settings. Come see a live demonstration.

by Tinkara Meterc

PatientDesigner a graphical interface that aims to integrate AI for unit testing in the OMOP-CDM

14:45 - 16:15

PatientDesigner is a web app that lets researchers create simulated patient scenarios through an interactive D3-based timeline. Users can add and adjust clinical events, use AI to find relevant concepts, and generate data formatted for OMOP-CDM. The resulting test datasets are stored and integrated into testing workflows using DuckDB.

by Cesar Barboza

OMOP-NVFlare: Towards Federated Multimodal Machine Learning

14:45 - 16:15

We present our integration of OHDSI tools with the NVFlare federated learning framework to enable privacy-preserving, collaborative health data analysis. The approach provides a modular and standardised system in which data providers maintain full control over their local infrastructure, while external analysts can design and execute studies without direct access to data.

The demo showcases the feasibility of federated analysis through two workflows: a Strategus-based analytical pipeline and an image classification use case. It also illustrates the system architecture, where customised NVFlare clients operate at each data site and a central server coordinates analysis by distributing tasks and aggregating results. Overall, the demonstration illustrates how combining OHDSI tools within NVFlare framework can support scalable, secure, and collaborative federated analytics and learning in a privacy-preserving manner.

by Nils Christian

Collaborator Showcase

Software Demonstrations - ***La Fontaine (Deck B)***

From Fork to Findings: Reducing "Time-to-Science" with a One-Click OHDSI Sandbox via GitHub Codespaces

14:45 - 16:15

The deployment of the OHDSI analytical stack often involves significant operational overhead, complex dependency management, and local infrastructure requirements. To address these barriers, this demonstration presents a cloud-native deployment approach using GitHub Codespaces that encapsulates ATLAS, WebAPI, the HADES R package suite, and a PostgreSQL-backed OMOP database within a browser-accessible environment.

The architecture leverages the Development Container (DevContainer) specification to automate multi-service environment setup without requiring local software installation or manual network configuration. Attendees will instantiate an isolated analytical workspace directly from a template repository and observe automated service initialization and port forwarding in action, enabling immediate access to ATLAS and HADES for cohort definition and analytical package execution within minutes of environment launch.

by Renata Silva

Phenotype Scoring: An Interpretable, Data-Driven Approach for Cohort Refinement on the OMOP Common Data Model

14:45 - 16:15

We will demonstrate the phenotype scoring tool implemented in the CohortOperations web application, which enables interpretable, data-driven refinement of cohorts using OMOP Common Data Model (CDM) data. The demo will show how users can explore feature enrichment, group related covariates, construct phenotype scores, and apply rule-based and intersection-based flags to identify uncertain cases. We will also present how cohort refinement improves downstream analyses, including polygenic score distributions and GWAS results.

by Dawit A. Yohannes

Conversational Cohort Management in Data2Evidence via Model Context Protocol

14:45 - 16:15

Creating valid cohort definitions in OHDSI research traditionally requires deep technical knowledge of OMOP concepts. This demonstration showcases a novel, conversational interface integrated into the open-source Data2Evidence platform. Powered by Large Language Models (LLMs) and the Model Context Protocol (MCP), our chat assistant allows researchers to construct and manage cohorts using simple natural language.

The system autonomously handles multi-step workflows - searching the OHDSI Phenotype Library, retrieving templates, and generating validated JSON structures. Attendees will see demonstrations of AI-driven cohort creation, illustrating how this approach empowers domain experts to define study populations intuitively.

by Peter Hoffmann

Collaborator Showcase

National Nodes *- Queen's Lounge*

In several European countries, **National OHDSI Nodes** have been established to enable collaboration at both national and international levels. Each Node brings together research and healthcare institutions within a country, building on national strengths and shared goals, and is coordinated by a lead institution.

To date, National Nodes have been launched in:

Belgium	Germany	Israel	Norway
Denmark	Greece	Italy	Portugal
Estonia	Hungary	Luxembourg	Spain
Finland	Ireland	Netherlands	the UK
Austria*	Switzerland*		

We're excited to grow this network further and we specifically want to welcome our *2* new nodes Austria and Switzerland*. At this year's symposium, all National Nodes will showcase their work in the Queen's Lounge — possibly accompanied by local treats to spark your curiosity!

Ask not what your country can do for you — ask what you can do for your country.
Join your National Node today, or start one if your country doesn't have one yet!

More information can be found at: www.ohdsi-europe.org/index.php/national-nodes

Collaborator Showcase

Posters

Open-source analytics development

#	Poster Title	Authors
1	Assessing Device Data Research Readiness: A Case Study Among Patients with Patent Ductus Arteriosus in the Great Ormond Street Hospital	Lydia Briggs, Elliot Holland, Prasiddha Khadka, Annika M. Jödicke, Daniel Prieto-Alhambra, Albert Prats-Uribe, Edward Burn
2	OmopConstructor: Flexible Construction of OMOP-CDM Tables for Consistent Observation Periods and Extended Derived Data	Marti Catala, Elin Rowlands, Cecilia Campanile, Edward Burn
3	From Tool Zoo to FAIRified Pipeline: Evaluating Terminology and Mapping Tooling for the SHINe Platform	Karen Triep, Stefan Milosavljevic, Hugo Armando Guillen-Ramirez, Laure Vancauwenberghe, Marcel Messerli, Almut Lütge, Cyril Matthey-Doret, Christophe Gaudet-Blavignac, Julien Ehrsam, Jean Louis Raisaro, Solange Zoergiebel, Oksana Riba Grognuz, Olga Endrich
4	Mitos: A Python implementation of OHDSI Circe cohort expressions with schema fidelity and cross-engine validation	Egill Fridgeirsson, Peter Rijnbeek
5	Extending FastOMOP to the OHDSI Application Layer: MCP Servers for Vocabulary, Cohort Definition, and Statistical Profiling	Niko Möller-Grell, Shihao Shenzhang, Zhangshu Joshua Jiang, Richard Dobson, Vishnu V Chandrabalan
6	From OHDSI Cohorts to Enterprise Study Results Dashboards: A Eunomia GI-Bleed Demonstration	William Kuan, Sherrine Eid, Robert Collins
7	Toward a Skill-Based Knowledge Architecture for LLM use in OHDSI: A Methodological Experiment in LLM-Assisted Drug Mapping	Rowan Parry
8	An MCP-Native Architecture for Agentic OMOP Vocabulary and Clinical Data Access	Daniel Smith, Jorge Marquez, Jeselyn Rhodes, Xueqiong (Joan) Zhang, Benny Budiman
9	Democratizing Critical Care Research: A Portable dbt and DuckDB Pipeline for MIMIC-IV to OMOP CDM Conversion	Adam Sutton, Niko Moeller-Grell, Tom Searle, Vishnu V Chandrabalan, Richard, Dobson
10	A Patient-Centric OMOP-CDM Partitioning Tool for Federated Deployment Testing	Narasimha Raghavan Veeraragavan, Espen Enerly, Gintaras Pikelis, Jan Franz Nygård
11	Evaluation of the Preparative Phase Readiness in OikoLexis	Michel J.F. Walravens, Ilse Vermeulen, Liesbet Peeters
12	The DARWIN EU® Data Network	Maxim Moinat, Montse Camprubi, Sofia Bazakou, Anne van Winzum, Liam Glück, Julia Kurps
13	DARWIN EU® - Incidence of Suicide-Related Events Among Adult Male Patients Treated for Androgenetic Alopecia and Benign Prostatic Hyperplasia in Europe	Marzyeh Amini, Adam Black, Guido van Leeuwen, Gil Garcia Miguel Jesus, Rebeca Martínez Muñoz, et al.
14	DARWIN EU® - Incidence rates of venous thromboembolic events in individuals with selected cancers	Anton Barchuk, Melissa Leung, Cesar Barboza, Ioanna Nika, Ger Inberg, Maarten van Kessel, Adam Black, et al.

Collaborator Showcase

Posters

Open-source analytics development

#	Poster Title	Authors
15	DARWIN EU® - Epidemiology and Treatment Patterns of Paediatric Pulmonary Arterial Hypertension in Europe	Nicholas Hunt, Ioanna Nika, Andrei Barbulsecu, Elvira Bräuner, Susanne Bruun, Romain Griffer, et al.
16	DARWIN EU® - Symptomatic drug utilisation in individuals with selected cancers	Melissa Leung, Anton Barchuk, Cesar Barboza, Ioanna Nika, Ger Inberg, Maarten van Kessel, Adam Black, et al.
17	DARWIN EU® - A transportable framework for evaluating pregnancy episode algorithms in heterogeneous real-world databases	Aniek F. Markus, Julieta Politi, Anum Zahra, Maarten van Kessel, Adam Black, Ger Inberg, Berta Raventós, et al.
18	DARWIN EU ® - Optimising an OMOP pregnancy episode algorithm in the DARWIN EU network: insights from two iterative runs	Julieta Politi, Aniek F. Markus, Maarten van Kessel, Anum Zahra, Ger Inberg, Adam Black, Berta Raventós, et al.
19	DARWIN EU ® Feasibility of identifying positive type 1 diabetes autoantibody results in six European data sources mapped to the OMOP CDM	Julieta Politi, Nicholas Hunt, Cesar Barboza, Maarten van Kessel, Noelia Garcia Barrio, Paula Rubio Mayo, et al.
20	DARWIN EU (R) - Population-level impact of risk minimisation measures related to the risk of meningioma in women using nomegestrol or chlormadinone	Berta Raventós, Ioanna Nika, Julieta Politi, Ger Inberg, Anton Barchuk, Natasha Yefimenko, Gargi Jadhav, et al.
21	DARWIN EU® - Paracetamol prescribing and overdose in Europe: trends and patient characteristics	Berta Raventós, Ger Inberg, Melissa Leung, Cesar Barboza, Guido van Leeuwen, Nicolas Hunt, et al.
22	DARWIN EU® - Monitoring prescription of essential medicines administered in the intensive care unit	Guido J. van Leeuwen, Cesar Barboza, Ioanna Nika, Guillame Verdy, Romain Griffier, Pantelis Natsiavas, et al.
23	DARWIN EU® - Clozapine and the incidence of agranulocytosis over time	Ellen Gerritsen, Akram Mendez, Isabella Kaczmarczyk, Elvira Bräuner, Susanne Bruun, Marko Čavlina, et al.
24	DARWIN EU® - Drug utilisation study in individuals with cystic fibrosis in Europe	Ellen Gerritsen, Gargi Jadhav, Akram Mendez, Noelia García Barrio, Laurent Boyer, Juan Luis Cruz Bermúdez, et al.
25	DARWIN EU® - Drug Utilisation Study of terbinafine-containing products	Ellen Gerritsen, Gargi Jadhav, Akram Mendez, Anna Palomar Cros, Antonella Delmestri, Antea Jezidžić, et al.
26	DARWIN EU® Study Operations Pillar: Delivering Regulatory-Ready Real-World Evidence	Natasha Yefimenko, Talita Duarte-Salles, Katia Verhamme
27	DARWIN EU® - Prevalence of rare blood cancers, pancreatic cancer, and soft tissue sarcoma across Europe: Comparing Internal vs. External Denominators in Prevalence Estimation	Berta Raventós, Cesar Barboza, Julieta Politi, Yuqing Hu, Ioanna Nika, Maarten van Kessel, Natasha Yefimenko, et al.

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28	Building a framework for harmonization of blood cancer data and federated research across Ireland	Marina Ainciburu, Kemdil Anyaoku, Peter Doyle, Wei Jan Chang, David Akwuru, Kluivert Boakye Duah, et al.
29	Harmonizing Electronic Health Records from Multi-Healthcare Systems in Saudi Arabia: A Comprehensive Guide with SQL Script	Dr. Lubna A. Alhinti, Mr. Mohammed A. Alruod, Dr. Turki A. Al-Thunian
30	LLM-Guided Drug Normalization for Rapid OMOP CDM Integration of Hungarian Drug Data	Orsolya Bali, Loretta Kiss, Eszter Kővári, Ágota Mészáros, Mónika Hujter, Zsófia Práger, Tibor Héja, Csaba Nemes, Zsolt Bagyura
31	Large-Scale Extraction and Standardization of Primary Care Vaccination Data to the OMOP Common Data Model in Wallonia, Belgium	M. Borshchivska, T.Helleputte, A. Kanfoud, G. Vanhalst, R. Verschuren, T. Klein, O. Latignies, F. Daue, A. Vandenberghe, I. Pollet, S. Arena
32	Cohort profile: SWEdish register-based Evidence for Pharmacovigilance (SWEEP)	Judith S Brand, Valentina Giunchi, Michele Fusaroli, Daniele Sartori, Anders Sundström, G. Niklas Norén
33	OMOP in Action: Unifying medication records across biobanks for genomics studies	Celia Burgos Sequeros, Karyn Mégy, Ben Hollis, Katherine R Smith, Sebastian Wasilewski
34	An Iterative Annotation Pipeline for Building Clinical Datasets and Training Information Extraction Models: The PREPARE Project	Erik Calcina, Erik Novak, Lucia Pepa, Maria Gabriella Ceravolo, REPARE Project Group
35	Standardizing the "Repositório Integrado de Conhecimento" at IPO Porto: Design and Implementation of an OMOP CDM ETL for Oncology Data	Mariana Canelas-Pais, Renata Silva, Sofia Gomes, Tiago Taveira-Gomes, Rita Rb-Silva, Maria, José Bento, Teresa Garcia
36	Standardising feasibility assessments: a proposal from the IHI-GREG project	Lucía A. Carrasco-Ribelles, Lucia Bellas, Annika Jödicke, Daniel Prieto-Alhambra
37	Enhanced Detection of Oncology Treatment Regimens Applying an Adapted Smith-Waterman Algorithm to Non-Small Cell Lung Cancer Real-World Data	Evangelos Chandakas, Ping Sun
38	The landscape of OMOP-mapped real-world data sources in the HMA-EMA Catalogues of real-world data sources and studies	Aikaterini-Christina Deli, Stefania Simou, Gianmario Candore, Paolo Alcini
39	Disease-aware Harmonization of Parkinson's Disease Research Data to the OMOP Common Data Model: A Systematic Methodology from AI-PROGNOSIS	Petros Demetrakopoulos, Maria-Eleni Damkali, Theodora Brisimi, Dorine Karvouniari-Matzakou
40	Modular recommendation system and review application for semantic mapping	Freija Descamps, Panagiotis Gialernios, Shirah Cashriel, Isaac Claessen, Mythili Palanisamy, Silvia Jimenez, Lars Halvorsen, Peter Moorthamer, Lore Vermeylen

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41	ICD 10 to SNOMED-CT and OMOP Mapping: Performance, Limitations, and Clinical Implications of Automated Athena Mappings	Kirsten Colpaert, Hadewig Claeys, Athiana Ryland, Maartje Deschacht, Mieke Deschepper
42	Transforming breast and cervical cancer screening data into the OMOP CDM: Early implementation insights from Senegal	Ousmane Diop, Rachel Odhiambo, Abdoulaye Samba Diallo, Ousmane Diouf, Mamadou Lamine Cissé, Fatou Mbay, et al.
43	Large Language Model–Based Classification of ICD-10-CM to SNOMED Mappings for Improved Semantic Fidelity in OHDSI	Dmytro Dymshyts, Anna Ostropolets, Martijn Schuemie
44	INFRA: InfectionRadar – A Swiss nationally funded demonstrator aligning regional and OHDSI/OMOP framework through dual modelling and OHDSI tooling	Karen Triep, Hugo Guillen Ramirez, Christophe Gaudet-Blavignac, Marcel Messerli, Guido Beldi, Christian Lovis, Olga Endrich
45	Performance Evaluation of an AI-Based Vocabulary Mapping Platform for the OMOP Common Data Model	Miguel Ferreira, Paulo Ferreira, Miguel Rebelo, Catarina Pires, Luís Magalhães
46	Semantic Drift in Real-World Data: A Framework for Detecting and Managing Concept Evolution in OMOP-CDM	Yogesh Kumar Gupta
47	Adoption of the OHDSI Geographic Information Systems (GIS) Workgroup for Schizophrenia Research	Manos Hatzakis, Evangelos Georgaras, Iskanter Bensenousi, Despoina Ntenekou, Athanasios Kakasis, et al.
48	From Lived Experience to Longitudinal Evidence: Designing an OMOP-Compatible Export Layer for Prospective Cancer Patient-Reported Outcomes in Sweden	Máté Bendegúz Horváth, Carlos Manriquez, Lars Halvorsen, Christian Högberg
49	Comparison of machine- and expert-based mapping of lab test data in a nationwide register	Petteri Hovi, Eero Poukka, Ida-Liisa Kolari, Javier Gracia Tabuenca, FinnGen, Gustav Klingstedt
50	Bridging OMOP patient records and patient supplement files through object storage solutions	Frederic Jung, Stef Rommes, Gökhan Ertaylan
51	The REALM Data Catalogue and Federation Model for Cohort-Driven Evaluation of Medical Device Software	Frederic Jung, Stef Rommes, Gökhan Ertaylan
52	Design and Implementation of an Automated OMOP Database Migration Tool from PostgreSQL to SQL Server	Mandickel Donnex Kamtengeni, Antonella Delmestri
53	Comparing the representation of medicinal products in RxNorm Extension and SNOMED CT	Maryia Khitrun, Anna Ostropolets

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55	Declarative Data Standardization to OMOP-CDM using LinkML copia	Alberto Labarga
56	Explainable Clinical NLP and Semantic Standardization Pipeline for OMOP-CDM	Alisson Licona, Muhammad Waseem, Alex Loleit
57	OMOP SQL Generator Website Based on Generative AI	Angela Leis, Miguel-Angel Mayer, Juan Manuel Ramírez-Anguita, Carla Arxé
58	Mapping Our Future Health data to OMOP	Magda Meier, Kevin Garwood
59	The Belgian FHIN-hospitals Industry Data Alliance (BELFHINDA) - Outcomes and learnings from a feasibility assessment in non-small cell lung cancer	Karen Crabbé, Peter De Jaeger, Siel Depestele, Kim Denturck, Aldo Elsen, Katoo Muylle
60	Enhancing Multinational Drug Safety Studies - Mapping the Nordic Varenummer (vareNr) to the Standard Vocabulary	Saeed Hayati, Zeenat Fatima Chatha, Petrica Olteanu, Hedvig Nordeng
61	Experiences with OMOPping Rehabilitation Data: A Unified ETL Strategy for Nine Distinct Clinical Datasets	Petros Patias, Charalampos Georgiadis, Themistoklis Roustanis, George-Robert Patias, Alexandros Zacharegas, the PREPARE Project Group
62	Early adulthood adiposity trajectory and all-cause mortality among obesity-related cancer patients in Catalonia, Spain	Mariane Alves, Agustina Giuliodori, Laura Pérez-Crespo, Elena Roel, Andrea Pistillo, Irene López-Sanchez, Anna Palomar-Cros, Talita Duarte-Salles
63	Transforming 5 Billion Rows of Healthcare Data: A Secure, Locally Deployed Open-Source Pipeline for OMOP CDM	Karlo Pintarić, Marko Čavlina, Antea Jezidžić, Pero Ivanko
64	Rapid virtual harmonisation and federated analytics using OMOP mapping-as-code: evidence from a multi-hospital pilot and large-scale real-world datasets	Rory Popert, Daniel Sozonov, Artem Naumenkov, Renata Silva, Tiago Taveira-Gomes
65	The role of OMOP in providing a foundation for a nationally Coordinated Data Infrastructure and Analytics Pipelines: Translating Hospital EMR Data to OMOP CDM via IHACPA Specifications and National METEOR Vocabularies	Nicole Pratt, Roger Ward, Ilan Mears, Dinuja Willigoda Liyanage
66	Lateral specific concept mapping from ICD-10 to SNOMED CT: addressing information loss	Vojtech Huser, Ilya Pyatin, Tatsiana Skuhareuskaya, Maria Khitrun, Sarah Seager, Sebastiaan van Sandijk, Polina Talapova, Oleg Zhuk

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68	Launching OMOP Implementation on Swedish Health data – Oncology Tools and Workflows	Stefano Rapisarda, Jan Lorenz, Rebecka Rosenberg, Rikard Fred, Rozina Caridha, Julie Bianchi, Igori Comarovschii, Andreas Gerhardsson, Johanna Furuhjelm, Daniel Lundqvist, Päivi Östling
69	A Zero-Trust National Framework for Modular OMOP ETL Deployment and Scalable Analytical Execution in Portugal	Renata Silva, Sofia Gomes, Mariana Canelas-Pais, Rita Luz, Ana Sá-Sousa, Marco Lima, Carlos Sousa, Tiago Taveira-Gomes
70	Hospital 12 de Octubre's Experience in Real-World Evidence Generation	Paula Rubio Mayo, Jaime Cruz Rojo, Gustavo Roig Domínguez, Julia Hernández Sánchez, Noelia García Barrio, Juan Luis Cruz Bermúdez
71	Detecting implausible measurement values in observational data using machine-learning based outlier detection methods	Anthony G. Sena, Peter R. Rijnbeek, Aniek Markus
72	Lessons Learned from Implementing OMOP ETLs Across EHR and Registry-Based Data Sources	Renata Silva, Sofia Gomes, Mariana Canelas-Pais, Ana Sá-Sousa, Tiago Taveira-Gomes
73	AI-Assisted Precision and Granularity Assessment of In-Source Japanese Diagnosis Mappings	Tetiana Orlova, Mikita Salavei, Tatsiana Skuhareuskaya
74	Achievements, challenges, and future directions of the EXTERNAL_EXPOSURE table as an OMOP extension for GIS research	Polina Talapova, Andrew Williams, Jared Houghtaling, Kyle Zollo-Venecek, Maksym Trofymenko, Jay Greenfield, Timothy Norris, Robert Miller, Jimmy Phuong, Anne Thessen, Timothy D. Rossi
75	Jackalope Plus Adventures: Benchmarking Automated Mapping and Charting a Path to OHDSI Athena	Denys Kaduk, Polina Talapova, Maksym Trofymenko, Tetiana Nesmiian, Daryna Ivakhnenko, Anna Ostropolets, Bohdan Khilchevskyi, Max Ved, Inna Ageeva
76	Data Context Model for FAIR Health Data - The who, what, why, where, when and how	Esmond Urwin, Tim Beck, Antonella Delmestri, Armando Mendez-Villalon, Gordon Milligan, Andrew Burton, Andy Rae, Stefanie Thust, Philip Quinlan
77	From FHIR to working with data at scale: a unified data architecture for living evidence generation	Jan Vekemans, Kseniia NiKolaienko

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78	Incidence, prevalence, and survival of bladder cancer in the United Kingdom from 2000-2024: a population-based cohort study	Moronfoluwa Akintola, Mike Du, Edward Burn, Antonella Delmestri, Daniel Prieto Alhambra, Danielle Newby
79	Real-World Comparison of Worsening Heart Failure and Acute Kidney Injury After Sacubitril/Valsartan Versus ARB Therapy in Older Patients: Incidence and Treatment Pathway Analysis	Muhammad Hanif Amiruddin, Christianus Heru Setiawan, Jason C. Hsu, Nguyen Phung-Ahn, Min-Huei Hsu
80	Scaling Rare Disease Detection Across Multiple Pathologies using Generative AI and OMOP CDM	Gabriel de Maeztu, Josep Cordón, Mónica Arrúe
81	ACROSS: Actionable, Collaborative, Reusable, interOperable Sepsis System	Jérémie Despraz, Oksana Riba Grognuz, Olga Endrich, Laure Vancauwenberghe, Stefan Milosavljevic, Almut Lütge, et al.
82	Completeness and characteristics of breastfeeding data in SIDIAP	Laura Granés, Agustina Giuliodori-Picco, Sergio Fernández-Bertolín, Irene López-Sánchez, Maria Giner-Soriano, Elena Roel Talita Duarte-Salles
83	Cross-Country Harmonization of Psoriatic Arthritis Cohorts: A real-world data study	Manos Hatzakis, Evangelos Georgaras, Eleni Vasileiou, Robert Anderson, Iskanter Bensenousi, Christos Chatzichristos, et al.
84	Antidepressant Use and Cardiovascular Outcomes in Parkinson's Disease: An OHDSI Network Study	Maria Khitrun, John Murphy
85	From Free Text to OMOP-Ready ECOG scores: Standardizing Performance Status with Rule-Based Text-Mining Pipeline in 14 Million Clinical Annotations	Angela Leis, Carla Arxé, Juan Manuel Ramírez-Anguita, Antonio Arcas, Jan Carreras, Ricard García-Isern, Miguel-Angel Mayer
86	Identifying Adverse Drug Reaction Using Sequence Symmetry Analysis Design on OMOP data	Thomas Leth Jensen, Sanne Møller Thysen, Espen Jimenez Solem, Lars Christian Lund, Jesper Hallas, Peter R. Rijnbeek, Katia M.C. Verhamme, Aniek F. Markus
87	OMOPCAN Project: Protocol for assessing cancer epidemiology and patient characteristics in a multinational network of heterogeneous real-world data.	Irene López-Sánchez, Anna Palomar-Cros, Agustina Giuliodori, Laura Granés, Laura Pérez-Crespo, et al.
88	Incidence of heavy menstrual bleeding and co-occurring conditions from almost 4 million women from 8 countries across Europe and North America: Final results from a European Health Data & Evidence Network (EHDEN) study	Marta Pineda-Moncusi, George Argyriou, Zsolt Bagyura, Gianmario Candore, Carina Dinkel-Keuthage, et al.
89	Real-world Pembrolizumab outcomes in NSCLC reveal trial-to-practice disparities (updated results)	Jonas Minne, Maryna Borshchivska

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90	Use of asthma medications in pregnant women: a drug utilisation study in the Netherlands	Donya Moslemzadeh, Katrien Oude Rengerink, Peter Mol, 2 Katia Verhamme
91	Towards the characterization of rare disease patients using OMOP-CDM data: The study of TMA patients in the Papageorgiou General Hospital database	Alexandros Rekkas, Anastasia Farmaki, Antonia Sipaki, Achilles Chytas, Dorothea Papadopoulou, et al.
92	Characterising Cluster Headache in Real-World OMOP-Standardised Health Databases across the EHDEN Network	Troels Nielsen, Andreas Rieckmann, Ingeborg Helbech Hansen, Agneta Henriette Snoer, Jan Hoffmann, et al.
93	Monitoring chronic kidney disease in individuals with type 2 diabetes using European primary care electronic health records: a pilot study in Spain	Anna Palomar-Cros, Caterina Checa, Irene López Sánchez, Agustina Giuliodori, Josep Franch Nadal, et al.
94	PREPARE for Precision: Patient-level prediction models for nonsurgical thumb base osteoarthritis treatment	Krijn Polder, Lisa Hoogendam, Margarita Grammatikopoulou, Vasilis Alepopoulos, Giorgos, Giannios, et al.
95	Federated OMOP-based observational analysis of HR+/HER2- metastatic breast cancer across Europe: methodological development and clinical insights from the DigiONE network	Stelios Theophanous, Lauren Revie, Olivier Bouissou, Francois Duhoux, Prabash Galgane Banduge, Anaya Choudhury, et al.
96	Regional variation in drug adherence following myocardial infarction: a UK cohort study	Elin J Rowlands, Anna Camps-Vilaró, Antonella Delmestri, Martí Català, Cecilia Campanile, et al.
97	Temporal External Validation and External Validation of an Implemented and Updated Binary Prediction Model, the Revised Cardiac Risk Index (RCRI), on Observational Health Databases: a Multinational Retrospective Cohort Study	Alexander Saelmans, Jenna Reps, Evan Minty, Angela Leis Machin, Miguel-Angel Mayer, Juan Manuel Ramirez-Anguita, Farnoosh Haji-Sheikhi, Priya Desai, et al.
98	Regional, socioeconomic, and ethnic variation in the prevalence of type 2 diabetes mellitus comorbid with depression and/or anxiety: a UK population-based descriptive study	Anna Saura-Lazaro, Nuria Mercade-Besora, Marti Català, Peter A.Bath, Rosie Cooper, Emmanuel Chan, Sophie Bennett, Abul Hassan, Daniel Prieto-Alhambra
99	First-episode psychosis pharmacotherapy: an antipsychotics comparative effectiveness study protocol	Tatsiana Skuhareuskaya, Alexander Aleksiayuk, Polina Talapova, Maryna Skugarevskaya
100	Real-World Evidence on SGLT2 inhibitor utilization across cardiorenal phenotypes in Belgium: a federated OMOP-CDM and NLP-enabled hospital network study	Emma Duhamel, Bart Verheyden, Imke Masuy, Laura Légat, Anke Van den Broeck, Michiel Dumoulein
101	HORUS: How Often Risks Unfold in Surgery study protoco	Oleg Zhuk, Lee Goeddel, Subhash Aryal, Benjamin Martin, Evan Minty

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102	High-Performance NLP Models for De-identifying Hungarian Clinical Texts to Enable Observational Research	András Berzi, Ervin Berényi, Zita Képes, Sándor Csaba Aranyi, Barnabás Antal, Ábrahám Gergely Varga, Miklós Emri
103	Federated Analytics on OMOP-CDM data: evaluating dsOMOP and complementary methods to optimize reproducibility of descriptive statistics	Tristan Laurent, Jacek Chmiel, Camille Bachot, Dimitar Toshev, François Margraff, Lukasz Kaczmarek, et al.
104	Patient-Level Prediction Benchmarking Tasks and Transfer Learning from Adult to Paediatric Populations Using OMOP-CDM	Roberta Del Testa, Ross D. Williams
105	Validation of OMOP-Based Secondary Healthcare Resource Use and Cost Estimates for Federated Health Economics Analyses in the UK	Gianluca Fabiano, Njoki Njuki, Antonella Delmestri, Rafael Pinedo-Villanueva
106	Feasibility of Fully Data-Driven Federated Learning on Large Observational Health Data	Egill Fridgeirsson, Jenna Reps
107	PandemicPrediction: three-year temporal validation of SEEK-Cover models during the Covid pandemic	Egill Fridgeirsson, Ross Williams, Jenna Reps
108	Scaling laws for autoregressive foundation models on observational health event streams	Egill Fridgeirsson, Peter Rijnbeek
109	Comparing Human and AI-Derived DRG Severity of Illness Using OMOP CDM: A Belgian APR-DRG Case Study	Peter Heirman, Philippe Kolh, Ittoo Ashwin
110	A SNOMED CT Template–Based Interoperability Framework for Multi-Standard Outputs	T.Helleputte, M. Borshchivska, G. Vanhalst, R. Verschuren, T. Klein, O. Latignies, F. Daue, A. Vandenberghe
111	MedValence: A Distributed Methodological Framework for Developing and Validating Personalized Prediction Models of Drug Efficacy and Safety Using Real-World Data	Nguyen Phung-Anh, Phan Thanh-Phuc, Christianus Heru Setiawan, Septi Melisa, Nguyen Thi Kim Hien, Balqis Istiqomah Gusbela, Muhammad Solihuddin Muhtar, Jason C. Hsu
112	MedVista : A Methodological Framework Built on the OHDSI Distributed Research Network for Systematic Generation of Real-World Evidence in Special Populations for New Drugs	Nguyen Phung-Anh, Phan Thanh-Phuc, Christianus Heru Setiawan, Septi Melisa, Nguyen Thi Kim Hien, Balqis Istiqomah Gusbela, Muhammad Solihuddin Muhtar, Jason C. Hsu
113	Genetic Validation of Evidence-Based Phenotype Refinement in EHR Data: Complementing OHDSI Tools with Biological Signal	Marika Kaakinen, Javier Gracia-Tabuenca, Dawit A. Yohannes, Mary Pat Reeve
114	Structured Clinical Data Extraction with Large Language Models (LLMs), From Benchmarking to Knowledge Graphs	Karthik Prathaban, Douwe J. Spaanderman, Farhan Akram, Stefan Klein, Martijn P.A. Starmans
115	From Observational Data to Synthetic Cohorts	Alberto Labarga
116	Automated Extraction of Genomic Entities from Spanish and Catalan Clinical Annotations using Active Learning	Antonio Arcas, Ricard García-Isern, Angela Leis, Juan Manuel Ramírez-Anguita, Carla Arxé, Jan Carreras, Miguel-Angel Mayer

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117	Characterisation of Spanish OMOP CDM Databases Through a Study-a-thon: A Federated Descriptive Study within the OHDSI Europe Spain	Angela Leis, Talita Duarte-Salles, Miguel Angel Mayer, Juan Manuel Ramírez-Anguita, Agustina Giuliodori, et al.
118	Scalable Extraction of APGAR Scores from Electronic Health Records Clinical Annotations and Standardization for OMOP CDM	Carla Arxé, Angela Leis, Juan Manuel Ramírez-Anguita, Antonio Arcas, Jan Carreras, Ricard García-Isern, Miguel-Angel Mayer
119	Personalized Federated Framework for OMOP-CDM Multi-Hospital Data: Application to prediction of 30-day hospital readmission	Dani Manjah, Pierre Remacle, Maryna Borshchivska, Thibaut Hellepute
120	Validating LLM-Based extraction of clinical events: Integrating unstructured EHRs into the OMOP Common Data Model: Suicide use case	Hermenegildo Martinez-Alcala, Alicia Peñaranda-Navazo, Cristina Justo-Astorgano, Virginia Arroyo, Miguel Ángel Macía, Mar Martín, Elisa Martín-Merino, Miguel Gil, Jesús Santamaría
121	Bilingual Clinical De-identification in Free-text Annotations: A Hybrid Approach Combining Biomedical Transformers and Heuristic Rules	Ricard Garcia-Isern, Antonio Arcas, Angela Leis, Juan Manuel Ramírez-Anguita, Carla Arxé, Jan Carreras, Miguel-Angel Mayer
122	Challenges in Generating Clinically Coherent Synthetic Electronic Health Records in OMOP: The Semantic Gap	Jan Carreras, Juan Manuel Ramírez-Anguita, Ricard Garcia, Antonio Arcas, Carla Arxé, Angela Leis, Miguel Angel Mayer
123	An Explainable, Query-Time Knowledge Graph over the OMOP Vocabulary for Transparent Concept Reasoning	Ghazaleh Niknam Shirvan, Nico Loesch, Georgina Kennedy
124	From average to conditional treatment effects: extending OHDSI CohortMethod with causal random forests for CATE estimation	Giorgia Pellegrini, Katia Verhamme, Aniek F. Markus
125	Assessing data completeness pre- and post-transformation: a methodological framework to improve transparency and representativeness in secondary use of data	Jens Declerck
126	Operationalizing a multi-country OMOP-based analytical pipeline to characterize finerenone initiators in the FINEROD study: methods, implementation and reproducibility	Daloha Rodriguez Molina, George Argyriou, Alfredo Farjat, Fangfang Liu, Nikolaus G. Oberprieler
127	Grouping related events on patient's timeline using graph community detection algorithms	Kermo Saarse, Sulev Reisberg, Jaak Vilo
128	Embedding-Based Density Sampling for Efficient Quality Assurance in OMOP	Lucas Sterckx, Narges Farokhshad, Clara L. Oeste
129	Separating Intelligence from Application: A Standardized Approach for AI-Driven Evidence Generation	Tom Stone, Dimitar Toshev, Bartlomiej Szubstarski, Alberto Labarga
130	High AUROC, Low stability: the kitchen-sink approach may undermine individual-level decisions	Fleur Vereijken, Jenna Reps, Egill Fridgeirsson, Peter Rijnbeek, Ross Williams
131	Insights on Developing a Federated Machine Learning Prediction Model on Danish and Norwegian Colorectal Cancer Data	Samuel Wiqvist, Narasimha Raghavan Veeraragavan, Loan Ngo-Stuyt, Espen Enerly, Andreas Weinberger Rosen, et al.

Saturday April 18th, 2026

Time (CEST)	General track	Database track	Study track
9:30	***Coffee, tea and registration***		
10:00	**Introduction to OHDSI – Tutorial** Julia Kurps (The Hyve), Laura Verbeij & Fleur Vereijken (EMC) *Description*: • *History & philosophy behind OHDSI* • *How does the community work?* • *How does the OMOP CDM look?* • *What can be done currently with the OHDSI tools?* • *What does it take to be able to use the tools?* • *Where and how can you learn more about OHDSI?*		**Using OHDSI/DARWIN packages to design your own studies** Rana Jajou, Alexander Saelmans, Adam Black (EMC) *Description*: • *Introduction to designing observational studies using OHDSI/DARWIN tools* • *Step-by-step process: from research question to study execution* • *Overview of available tooling and when to use what* • *Live demo: setting up a simple study (incidence/prevalence) with minimal code*
12:00	***Lunch Break***		
13:00		**ETL development & updating** Maxim Moinat (EMC), Anne van Winzum, Stefan Payralbe (The Hyve) *Description*: • *Short introduction to OMOP ETL conventions and ETL implementation examples.* • *Latest developments in available tooling to assist with ETL/mappingTools* • *Importance and best practices for maintaining and updating ETL/mapping after initial conversion*	**Phenotyping in OHDSI: pipelines, steps & tools** Anna Ostropolets, Maria Khitrun, Azza Shoaibi, Dmitro Dymshyts, Anna Saura Lazaro *Description*: • *Explore existing pipelines for phenotyping within OHDSI* • *Explore open-source tools for phenotyping* • *Support clinical descriptions, literature review, and concept sets* • *Enable evaluation and maintenance across OHDSI vocabularies*

Saturday April 18th, 2026

Time (CEST)	General track	Database track	Study track
15:00	***Coffee & tea break***		
15:30	**Reviewing results in OHDSI shiny apps** Melissa Leung, Berta Raventós (EMC) *Description*: • *Hands-on session to exploring OHDSI Shiny Applications, including apps for phenotype assessment and those with study results* • *Learn how to navigate and review Shiny Applications* • *Learn how to identify potential inconsistencies (especially valuable for researchers leading their own studies or collaborating on multi-database studies)*	**Data Quality Assessment Framework & Tools** Clair Blacketer, Anthony Sena (J&J) *Description*: • *Data Quality Dashboard (DQD) and other recent developments for tools to assess data quality* • *Hands-on exercise for running DQD to identify and address ETL conversion issues* • *Data quality considerations for network studies*	**Hands-on characterization session using OHDSI/DARWIN packages** Adam Black (EMC), Marta Alcalde-Herraiz, Moronfoluwa Akintola, Martí Català (UO) *Description*: • *Hands-on session focused on cohort characterization using OHDSI/DARWIN tools* • *Connecting to OMOP CDM data in a tidy, user-friendly way* • *Programmatically creating cohorts with inclusion and exclusion criteria* • *Running phenotype diagnostics to evaluate code lists and cohort definitions* • *Characterizing cohorts to understand their clinical and demographic profiles* • *Practical coding exercises throughout the session*
18:00	***Social activity - Boat round trip Rotterdam***		

Sunday April 19th, 2026

Time (CEST)			
9:00	***Coffee, tea and registration***		
9:30	**National Node meetings** *Description*: *The OHDSI Europe Chapter in collaboration with the EHDEN project has initiated the creation of National Nodes to facilitate national and international collaborations. Currently there are National Nodes in Austria, Belgium, Denmark, Estonia, Finland, Germany, Greece, Hungary, Ireland, Israel, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Switzerland, and the UK.* *An OHDSI Europe National Node is a collection of research institutes within a member country. The Node builds on the strengths of the stakeholders and scientific communities of that country.* *For more information see: https://www.ohdsi-europe.org/national-nodes*		
11:30	***Lunch Break***		
	Thematic deep dives		
13:00	**Oncology** Asieh Golozar, Talita Duarte Salles *Description*: • *Review of ongoing oncology initiatives in OHDSI* • *Update on vocabulary and tooling enhancements in the space of oncology* • *Reflect on current state of the community and path forward*	**Question-Answer pairs in OMOP** Lisa Hoogendam, Renske Los, Aniek Markus (EMC), Nicole Gerlanc (NIH/NIC) *Description*: • *Overview of current mapping conventions for question-answer pair data* • *Discuss standard analytics for Patient-Reported Outcome Measures data* • *Reflect on current state of the community and path forward*	**MindMeetsMachines Vocab Edition** Martijn Schuemie, Anna Ostropolets (J&J), Tom Seinen, Matthijs Otten (EMC) *Description*: • *Compare human and AI concept mapping to OMOP CDM using European source codes* • *Assess strengths and gaps on both sides* • *AI teams prepare systems in advance* • *Extract lessons for high-quality manual mapping and LLM-orchestrated mapping*

Sunday April 19th, 2026

Time (CEST)			
15:00	***Coffee & tea break***		
	OHDSI office hours: Q&A with experts *Open Q&A with community experts to discuss methods, best practices, and real-world experiences across topics such as ETL, data mapping, study design, and OHDSI research workflows.*		
15:30*	**ETL / Mapping** Anne van Winzum & Stefan Payralbe (The Hyve)	**OHDSI Standardized Vocabularies** Anna Ostropolets	**OHDSI Studies** Ross Williams
17:30	***Networking drinks***		

At **15:30 there is also a **European Node leads meeting** hosted by Renske Los, only for NN leads*

Upcoming educational activities

- **The OMOP School** - OMOP CDM Bootcamp with hands-on training and workshops by OMOP4Sweden: 26-29 May, 2026
- **Oxford Summer School 2026**: Real World Evidence using the OMOP Common Data Model: June 22-26, 2026
- **2026 Summer School in Observational Health Data Science & Informatics, AI, and Real-World Evidence**: June 22-26, 2026 at the Columbia Uni Dept. of Biomedical Informatics

NEW

You've built your OMOP CDM. Now let's make it shine.

In the OHDSI community, we've come a long way together: standardizing health data across hundreds of institutions, building shared tools, and growing a community that spans the globe. The next level is realizing the full value of your CDM: ensuring high-quality, analysis-ready data, robust processes for maintenance and updates, and reliable evidence generation within your organization and in multi-center studies.

This 2.5-day expert training brings together max. 30 OMOP implementers for an intensive, hands-on programme in the heart of Rotterdam. You'll work directly with the tools the community has built, including: the **Data Quality Dashboard** to assess the quality of your CDM; **ATLAS** and **CohortDiagnostics** to design and validate phenotypes; and the implementation and execution of a study-design.

Up to five participants can bring their own ETL and, preferably, access to their OMOP CDM for live feedback from faculty and peers. Everyone leaves with increased expertise, a deeper and more practical understanding of OMOP tooling and analytics, and concrete improvement pointers to generate reliable evidence and drive adoption within your organization.

The training is delivered by the team of the Department of Medical Informatics, Erasmus MC, bringing more than a decade of experience in operationalizing OMOP CDM in Europe through initiatives such as EHDEN, DARWIN EU® Coordination Centre, and the OHDSI Europe Coordination Centre.

Who should attend: Data engineers, informaticians, data scientists, and epidemiologists at hospitals, registries, research institutes, or SMEs, with a drive to implement the OMOP CDM within their organization.

Prerequisites: EHDEN Academy CDM, ETL, Vocabulary & DQD modules
Basic R and SQL

7–9 September 2026
Roommate Bruno, Rotterdam
€1.800 early bird registration (up to July 1, 2026)
€2.100 regular fee (excl. VAT)

www.ohdsi-europe.org

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OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

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