EUROPE

OHDSI

OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

OHDSI Europe National Nodes

Annual overview 2025

OHDSI Europe - Publication year 2026

Content

Executive summary

The **OHDSI Europe National Nodes** form a distributed network of national coordination hubs that support the **adoption and sustainable use** of the **OMOP Common Data Model** and the **OHDSI open science ecosystem** across Europe and associated countries. Operating within the OHDSI Europe Chapter and in collaboration with the EHDEN Foundation, the National Nodes connect research institutes, healthcare organizations, and stakeholders at the national level, while increasingly providing structured coordination, capacity building, and governance that link national efforts to European and international initiatives.

This overview consolidates the **2025 Annual Reports of the OHDSI Europe National Nodes** and provides a structured overview of national activities, community development, data partner engagement, key achievements, and strategic goals. While nodes operate in diverse national contexts and at different stages of maturity, the reports collectively demonstrate a growing, active, and increasingly coordinated European community, with several nodes transitioning from initial establishment toward more formalized and sustainable modes of operation.

Across countries, National Nodes report **continued growth or deliberate consolidation** of their communities, expansion of OMOP implementations, and increasing engagement in international studies such as DARWIN EU and OHDSI network analyses. Many nodes highlight **progress in onboarding new data partners**, **improving data quality and coverage**, and **extending OMOP use** into areas such as oncology, genomics, training and education, and operational or federated analytical applications within healthcare institutions.

The reports also reveal **shared strategic challenges and priorities**. These include the need for sustainable funding and governance models, coordinated maintenance of vocabularies and standards, broader inclusion of less mature data partners in studies, and alignment with emerging European policy frameworks, in particular the European Health Data Space. At the same time, several nodes are exploring advanced analytical approaches, including federated learning and novel methodological extensions, indicating a shift toward more sophisticated and scalable use of harmonized health data.

Looking ahead to 2026, the National Nodes express a clear **interest in deeper cross-node collaboration** and a **readiness to move from alignment to action**. Joint pilot studies, study-a-thons, shared working groups, coordinated vocabulary and data quality initiatives, and collective engagement with European stakeholders emerge as concrete opportunities to accelerate progress and increase impact. By building on shared priorities and complementary strengths, the OHDSI Europe National Nodes are well positioned to further strengthen a coordinated, interoperable, and sustainable European health data ecosystem.

OHDSI Austria

Authors: Adnan Jouned & Karl Kreiner
Community: 33 members | 2 data partners

Overview

The Austrian National Node was formally established in 2025 and focused primarily on community building and positioning OHDSI within the national digital health and interoperability landscape. As a newly formed node, activities concentrated on laying a solid foundation for future growth and collaboration.

Activities in 2025

- The Austrian node was established in 2025
- The first (kickoff) meeting for all members was held in November 2025

Other key highlights 2025

- Through a partnership, the OHDSI Austria is designated as a scientific partner for the dHealth 2026 Conference in Vienna. OHDSI Austria node members get a 30 Euro discount on the registration fees as part of this partnership.

Goals for 2026

- Community meetings (twice a year).
- Expand the node reach and increase members and engagement.
  - OHDSI Austria aims to present related activities at the 39th Austrian Interoperability Forum (https://hl7.at/events/39-iop-forum/) in Jan 2026.
  - A workshop dedicated to OHDSI Austria is planned for the upcoming dHealth conference (https://dhealth.at/) in May in Vienna.
- Collaborate internationally, with “Global South”:
  - The Medical University of Vienna group plans to apply for a grant to host guest scientists from Tanzania and Rwanda for OHDSI-related research.

OHDSI Belgium

Author: Ilse Vermeulen
Community: 215 (mailing list) members | 15 data partners (+3 hospital networks)

Overview

The Belgian National Node represents one of the most mature and active OHDSI communities in Europe. In 2025, Belgium played a central role at the European level while continuing to strengthen national coordination across a highly distributed healthcare landscape.

Activities in 2025

- Hosting of the **OHDSI Europe Symposium 2025** (read the report here)
- Organization of two national All Actors Meet events (one in-person, one online)

Other key highlights 2025

- The OHDSI Belgium National Node expanded its **Core Group** with two additional members, ensuring representation from all Belgian hospital networks.
- Two **Working Groups**, focused on Oncology and Belgian Vocabulary, were successfully launched and became fully operational.
- OHDSI Belgium acted as a **Strategic Partner** at the i~HD Health Data Summit 2025 and delivered an introductory tutorial on OHDSI.
- The organizing team of the OHDSI Europe Symposium 2025 received the **Titan Award for Community Collaboration** at the OHDSI Global Symposium, with several other Belgian members also nominated.
- Significant progress was made on a **position paper** titled "*Scaling Health Data Reuse in Belgium: An Analysis of the European Health Data and Evidence Network Implementation Efforts*," which is nearing submission.

Goals for 2026

- The node will address European Health Data Space **(EHDS) implementation challenges** identified during the OHDSI Europe Symposium 2025 through a targeted **webinar series**. The first webinar will focus on the role of OMOP, OHDSI tools, and FHIR within the EHDS architecture and is scheduled for March 16, 2026, at 1:00 PM.
- The Oncology and Belgian Vocabulary Working Groups will continue to advance their ongoing activities and deliverables.
- Potentially, an **Ideathon** will be organized as a precursor to a potential Study-a-thon, with the aim of engaging and giving visibility to data partners with lower OMOP mapping maturity.

OHDSI Denmark

Authors: Andreas Weinberger Rosen & Ismail Gögenur
Community: ~20 members | 4 data partners

Overview

The Danish National Node focused in 2025 on coordination and dialogue with national authorities, aiming to position OMOP as a potential national standard for health data reuse.

Activities in 2025

- Regular meetings

Other key highlights 2025

- Initiated dialogue with the Danish Health Data Authority to establish a standardized approach for transforming registries into the OMOP common data model.

Goals for 2026

- Continue work to establish a national OMOP standard

OHDSI Estonia

Author: Sulev Reisberg
Community: 31 members | 3 data partners

Overview

Estonia continues to position OMOP as a cornerstone of national health data research, with a strong emphasis on population level datasets, methodological innovation, and genomics integration.

Activities in 2025

We have participated in numerous international OMOP/OHDSI studies, including DARWIN and continue working on methodological research. We have also begun working on genomics data, focusing on integrating polygenic risk scores into OMOP.

We are nearing completion of the EST-Health-30 dataset at the University of Tartu, the largest scientific health dataset in Estonia. It covers a 30% random sample of the population and includes nearly all medical records (except images and dental care) from national health datasets — claims, drugs, EHR, lab results, cancer registry, and death records — dating back to 2012. The dataset will continue to be updated through 2026. The dataset forms a foundation for OMOP based clinical research for next few years.

We have actively promoted OMOP opportunities to policymakers, clinicians, healthcare institutions, and students through presentations and direct contacts. Interest is growing, and several studies across multiple medical fields have already received ethics approval to use EST-Health-30 for clinically important research. Many new PhD positions are also opening to leverage OMOP.

Tartu University Hospital has begun developing its own OMOP-compliant dataset — the first outside the University of Tartu.

Other key highlights 2025

Posters from the Estonian node were presented at OHDSI Europe Symposium 2025.

Goals for 2026

Finalize the EST-Health-30 dataset and maximize its impact by supporting numerous high-quality studies with novel analytical methods.

OHDSI Finland

Author: Eric Fey
Community: >80 members | 7 data partners

Overview

Finland represents one of the most advanced national OMOP ecosystems in Europe, with near complete nationwide coverage and strong engagement in international studies and method development.

Activities in 2025

- iCAN mNSCLC Studyathon, March 25-28 (https://ican.fi/studyathon-2025/)
- FinOMOP F2F Tampere, February, Tampere University Hospital
- FinOMOP F2F Oulu, September, Oulu University Hospital
- Regular WG meetings (online): 5 x CDM WG, 9 x Vocabulary CDM, 3x Technical WG, 2x Analysis WG, 1 x FinOMOP Community Call

Other key highlights 2025

- Merged CDM and Vocabulary WGs into one Technical WG, because of content overlap and mostly the same people attending.
- Vocab releases: 3 major and 1 minor FinOMOP Vocabulary release. Latest release based on OHDSI vocabulary release 2025-08-27.
- FinOMP participated in >20 DARWIN studies.
- FinOMOP-HUS co-developing a complex DARWIN study on Acute Myeloid Leukemia.
- OMOP Oncology readiness assessment has been performed and oncology mappings and data-quality improved by several partners, incl. HUS, PIRHA, VARHA.
- OHDSI FALCON studies: Development of first FALCON study on mNSCLC study (HUS & Nemesis), and participation by members in i) mNSCLC and ii) Bladder Cancer studies.
- Onboarding of the last two university hospitals to get complete nationwide coverage (5 out of 5): i) POHDE (Oulu) has developed their OMOP database and started the ETL process. ii) Kupio: University of Eastern Finland and the biobank are now adopting OMOP.
- Mapping: i) THL has mapped drug purchase data from the National Prescription Service. ii) HUS has mapped genomics data from clinical laboratories. Iii) mapping from unstructured sources pursued by several members.

Goals for 2026

We aim at a high-quality, granular mapping of key medical data sources (electronic medical records (EMRs), governmental registries, genome sequencing projects) with comprehensive coverage (nationwide, primary, secondary, and specialist care) to the OMOP CDM, for a comprehensive, population-based health data network and ecosystem in Finland and reliable, transparent and real-time evidence generation by harmonized data applications.

OHDSI Germany

Author: Ines Reinecke & Michele Zoch
Community: ~80 members | 8 data partners

Overview

The German National Node focused in 2025 on community building, scientific exchange, and strengthening Germany's contribution to international OHDSI-aligned research. Activities combined regular national coordination with active participation in multinational studies and methodological initiatives.

Activities in 2025

- Community building and exchange:
  - Organisation of monthly community calls covering diverse topics such as study-a-thons, experiences with DARWIN and individual work on OMOP and OHDSI tools
  - Facilitation of in-person community meet-ups at DMEA 2025 (a German trade fair for digital health) and at the OHDSI European Symposium in Hasselt
- Scientific talks and workshops:
  - Invited talk "Secondary data as a game changer: New perspectives for rare diseases" at the Data Stammtisch organised by Data4Life
  - Workshop at the annual meeting of the German Society for Medical Informatics, Biometry and Epidemiology (GMDS): "Best Practices and Blueprint of Study Designs: Shaping German Participations in OHDSI Studies"
  - Presentation at the Medical Informatics Initiative (MII) Symposium: "Healthcare during drug shortages: An international real-world evidence analysis with participation of the MII"
  - Contribution to an international co-creation workshop in Ghent on semantic interoperability: "How the Simplified Upper-Level Ontology (SULO) can help align major health data standards such as HL7 FHIR, openEHR, OMOP, SNOMED & SPHN"

Other key highlights 2025

- Active participation in international OHDSI-aligned studies:
  - Contribution to the FALCON-Lung / iCAN Network study, strengthening Germany's involvement in multinational observational research
- Development of node-led observational studies
  - Design and methodological preparation of an observational study on rare diseases, focusing on Klinefelter syndrome
  - Conceptualisation of an intensive care use case on Acute Respiratory Distress Syndrome (ARDS), addressing clinically relevant questions in critical care

Goals for 2026

- Strengthening leadership - Expansion of the OHDSI Germany lead team
- Expansion of the national OHDSI community
- Increased participation in observational studies
- Establishing a sustainable organisational structure - Founding non-profit association

OHDSI Greece

Author: Pantelis Natsiavas
Community: 5 members | 5 data partners

Overview

The Greek National Node focused on awareness raising, education, and initial integration of OMOP into national infrastructures.

Activities in 2025

- 5 lectures in the context of MSc programmes
- 5 meetings with decision makers in order to promote the use of OMOP-CDM in national infrastructures in order to expand its use in Greece
- 5 meetings with big hospitals to investigate their availability in terms of converting data to OMOP-CDM
- 1 online event to present the EHDEN Mega Study
- 1 online event to present the use of OHDSI R packages

Other key highlights 2025

- Papageorgiou General Hospital has joined EMA DARWIN
- EHDEN MegaStudy has been published. It is the first international RWD study with Greek data

Goals for 2026

- To get funding in order to convert more databased in OMOP-CDM
- To pursue the use of OMOP-CDM in national infrastructures
- To participate in more international OMOP-CDM studies

OHDSI Hungary

Author: Ágota Mészáros
Community: 7 members | 2 data partners

Overview

The Hungarian National Node continued to focus on collaboration between a small number of committed partners, with an emphasis on transparency and shared learning.

Activities in 2025

- Online meetings among Node members

Other key highlights 2025

Publicly sharing our mappings on GitHub:
https://github.com/OHDSI-Hungary/omop_mappings

Goals for 2026

- Among the data partners - helping each other in the ETL and bettering our OMOP databases
- Working on the Hungarian chemotherapy codes (OENO) mapping to OMOP standardized vocabularies

OHDSI Ireland

Authors: Catherine Mahoney & Aedin Culhan
Community: 76 members | 8 data partners

Overview

The Irish National Node was established in 2025 with a strong focus on cancer data harmonisation, education, and community building. Activities centered on laying the foundations for national coordination, capacity building, and adoption of OMOP within emerging Irish health data infrastructures.

Activities in 2025

Our node was established in 2025 at the inaugural All-Island Forum on Cancer Data.

We have built communication resources including a mailing list, Social Media: https://www.linkedin.com/company/ohdsi-ireland/ and web resources: https://www.ehealth4cancer.ie/#/ohdsi-ireland

We are running a monthly seminar series to introduce Irish researchers to OHDSI and highlight areas for collaboration.

Other key highlights 2025

We have made great progress in laying the foundation for harmonisation of health data. We have 7 data partners in the eHealth-Hub for Cancer (https://www.ehealth4cancer.ie/#/ohdsi-ireland), and are engaging with the additional data partners. We have begun ETL of data to OMOP-CDM. Node members have devised and published harmonisation strategies for blood cancer and other cancers.

We ran a micro-credential module BM6063 at the University of Limerick which includes data standards, ETL, OMOP tools for QC/dashboard, and Tools HADES/Vantage 6 and DataShield.

Goals for 2026

We are delivering Ireland's first OHDSI study-a-thon as part of the All-Island Forum on Cancer Data in Belfast Jan 26-27th https://www.ehealth4cancer.ie/#/forum and will continue with monthly seminars.

OHDSI Israel

Authors: Chen Yanover, Dalit Landesman Milo & Pini Akiva
Community: 50 members | 2 data partners

Overview

The Israeli National Node focused on capacity building, institutional onboarding, and exploration of sustainable models for OMOP adoption.

Activities in 2025

- OHDSI IL organised training sessions for data scientists, covering OMOP CDM principles, Atlas, and OHDSI tools

Other key highlights 2025

- Rambam Healthcare Campus (HCC), the largest hospital in Northern Israel, joined the OHDSI Journey. Rambam HCC has transformed its data to the OMOP data model, with OHDSI IL support and guidance
- Kineret, a governmental medical OMOP database, added a 7th medical center
- OHDSI IL is testing and evaluating Data4Life's open source Data2Evidence platform

Goals for 2026

- Accelerate OMOP adoption in Israel: Help organizations overcome internal barriers to implementing OMOP and promote collaboration across institutions and with international collaborators
- Support OHDSI-driven research in Israel:
  - Rambam HCC priority domains: IBD, Obstetrics, Nephrology, Pulmonology
  - A FHIR-OMOP study (using diagnoses, demographics)
- Develop a sustainable business model for OMOP

OHDSI Italy

Authors: Lucia Sacchi & Matteo Gabetta
Community: 66 members | 22 data partners

Overview

The Italian National Node continued to coordinate a large and diverse network of data partners, with a strong focus on multicentric studies and national vocabulary alignment.

Activities in 2025

- The Italian National node has organized periodic online meetings every three months.
- The main results achieved by the node in 2024 are:
- Advancement of the two multicentric national studies started in 2024:
  - Categorization study: results collected for 9 centers
  - Study on predictive models to discover determinants of hospital sepsis: phase 1 (selection of predictors in the coordinating center and evaluation of coverage on 3 centers): completed. Phase 2: script for model development in preparation in the coordinating center.
- Started a collaboration with the Italian Medicine Agency (AIFA) for mapping the national drugs coding system (AIC) to OMOP. AIFA released an open list of all the currently valid AIC codes, and the node is now progressing with the mapping.

Other key highlights 2025

- Participation to the Privacy Symposium, Venice

Goals for 2026

- Complete categorization study and write a paper
- Finalize model raining and start external validation for the study on predictive models for determinants of hospital sepsis
- Advance with the mapping of the drug codes to OMOP
- Dissemination in the Italian community and stakeholders

OHDSI Luxembourg

Authors: Maria Quaranta & Andreas Kremer
Community: 66 members | 22 data partners

Overview

The Luxembourg National Node operates as a collaborative hub connecting research, industry, and SMEs around OMOP based analytics and data harmonization.

Activities in 2025

- 1 co-participation in national conference (Health Week Luxembourg)

Other key highlights 2025

- 2025 OHDSI Global Symposium Collaborator Showcase - Mapping PROMs to the OMOP-CDM: Insights and Lessons from the ICHOM Hand and Wrist Conditions Standard Set and the PROMOP H2O Project (POSTER)
- Engaging researchers from the IHI IDERHA project to join and built an interdisciplinary, cross- sector interest and working group net to connect experts in medicine and informatics from research in industry in Luxemburg to address address the growing challenge of managing health data securely and efficiently, particularly in cross-institutional, data-driven health research, by promoting privacy-preserving, and federated IT solutions.
- Promoting the standardization and harmonization of healthcare data and parameters collections in national registries
- Initiate alignment calls across EHDEN SMEs to consolidate the relationship with the EHDEN Foundation

Goals for 2026

- The Luxemburg National Node will remain a no profit collaborative hub foe expanding data partner's skills in OMOP- driven analytics and data harmonization.
- The Luxemburg National Node provide guidance, teaching, and support for scientist and clinical researchers in Luxembourg and beyond, ultimately enabling more efficient and compliant use of health data.
- The Luxemburg National Node will work to ensure that SMEs are active partners of the EHDEN foundation and the OHDSI community.

OHDSI Netherlands

Authors: Renske Los & Aniek Markus
Community: 92 members | 8 data partners

Overview

The Dutch National Node focused in 2025 on strengthening national collaboration and visibility within the broader health data ecosystem. By introducing an OKR-driven approach, the node emphasized structured community engagement, growth of data partners, and clearer articulation of the value of participation in OHDSI Netherlands.

Activities in 2025

The OHDSI NL members met up on 5 different occasions (and different locations, thanks members!) during 2025. In between these face-to-face meetings, 10 active members working on the 3 OKRs in teams met monthly online.
Furthermore, OHDSI NL was represented at various events such as a session by Zorginstituut Nederland, Nivel and Health-RI & organized the OMOP Cohort Day for the Netherlands Cohort Consortium.

Other key highlights 2025

In 2025 we start working with OKRs: we focused on 3 objectives: 1)Increased exposure; 2) More data partners; 3)More internal collaboration.
This increased internal collaboration which led to, amongst other things, documentation on why to join the node, a communication plan, an overview ("facebook") of members & their expertise, a value proposition for data holders, an inventory of mappings by Dutch data holders, an OHDSI NL LinkedIn page & t-shirts.

Goals for 2026

In small groups we discussed what OHDSI NL can do to help members' work and what we can collaborate on in 2026. Based on the community input we have chosen 3 topics to collaborate on in 2026:

- OKR 1: OHDSI NL in relation to the broader ecosystem
- OKR 2: PROMs conventions & analytics
- OKR 3: Support mapping in NL

OHDSI Norway

Authors: Siri Larønningen & Espen Enerly
Community: ~20 members | 4 data partners

Overview

The Norwegian National Node emphasized coordination, capacity building, and Nordic collaboration throughout 2025.

Activities in 2025

- Monthly online meetings
- Workshops on data quality, versioning/archiving and drug mapping

Other key highlights 2025

- Increased Nordic OMOP collaboration
- Presentation at the OHDSI Symposium and national conferences

Goals for 2026

- Organize in-person meetings and workshops
- Strengthened Nordic collaboration
- Advice new data partners

OHDSI Spain

Authors: Angela Leis, Miguel Angel Mayer & Talita Duarte-Salles
Community: 98 members | 22 data partners

Overview

The Spanish National Node continued to consolidate a large and active community in 2025, with a strong emphasis on national collaboration, training, and shared methodological development. Activities focused on study execution, working group coordination, and strengthening national visibility of OHDSI Spain.

Activities in 2025

- First OHDSI Spain Study-a-thon: Face-to-face meeting at Hospital del Mar, Barcelona, with the participation of 16 institutions and over 40 attendees.
- Working Groups: Organization of groups related to drug and cost mappings.
- RWE and OMOP Course: Held at the Public Health School in Menorca (Llatzeret-Menorca, Spain), organized by IDIAP Jordi Gol and Erasmus MC.

Other key highlights 2025

- Publication of the OHDSI Spain GitHub collaborative website: https://github.com/OHDSI-Spain
- Creation of the OHDSI Spain LinkedIn page: https://www.linkedin.com/company/ohdsi-spain
- Participation in the INNODATA 2025 Conference, held in Seville, Spain, where OHDSI Spain presented its work.

Goals for 2026

- To organize the second Study-a-thon OHDSI Spain focused on a specific disease of interest at the national level, to be held in Barcelona (in preparation).
- To establish a collaborative drug mappings process to support Spanish Node members and contribute to the OHDSI community.
- Data Analysis using OMOP. A course to be held in March 2026 in Barcelona, organized by IDIAP Jordi Gol.

OHDSI Switzerland

Authors: Karen Triep & Olga Endrich
Community: 26+ members | 6+ data partners

Overview

The Swiss National Node focused on formal establishment, national coordination, and integration of OMOP into major research initiatives.

Activities in 2025

Kick off meeting (17 Oct 2025) Swiss National Node at the bits 2 breakthroughs conference / Bern - BITS TO BREAKTHROUGHS - 2025 and Swiss OMOP CDM first study-a-thon - OSF | Modified Study-a-thon Concept

Other key highlights 2025

- Integration of the OMOP CDM as a project goal:
  - INFRA (Infection Radar) Dataset, Inselspital, Bern University Hospital (Insel); CDM v5.4: patient cases, diagnosis, procedures, vitals, medication, scores, lab; closed
  - ACROSS, Centre hospitalier universitaire Vaudois (CHUV); Inselspital, Bern University Hospital (Insel); University Children's Hospital Zürich (KiSpi); CDM v5.4: patient cases, diagnosis, procedures, vitals, medication, scores, lab; in progress
  - CARESCORE DigK UniBE; Inselspital, Bern University Hospital (Insel); Centre hospitalier universitaire Vaudois (CHUV); in progress
- Contribution of a poster presentation at the OHDSI Europe symposium 2025 at Hasselt / Belgium

Goals for 2026

- Establish an active participation of leading Swiss institutions (university hospitals, data centers)
- Create an oncology working group across Swiss institutions
- Initiate a first international collaboration (Data partner; meeting Darwin EU requirements)
- Initiate a Swiss specific ontology platform (application for project handed in)

OHDSI Portugal

Author: Cármen Nogueira
Community: 45 members | 12 data partners

Overview

In 2025, the Portuguese National Node focused on isolated but impactful initiatives, including OMOP data harmonization, professional training, infrastructure development, and contributions to national and international research.

Activities in 2025

- Harmonisation of data clusters in OMOP
- Training of health professionals
- Acquisition of infrastructure for technical and operational consolidation

Other key highlights 2025

- Contributions to research (national and international), based on harmonised data

Goals for 2026

- Find a Portuguese OHDSI multi-stakeholder interest group:
  - Involve local Portuguese stakeholders in the community, while actively working to expand the network of partners
  - Provide technical and operational support to potential new data partners
  - Promote regular meetings between the national and international communities to share knowledge and promote knowledge sharing

OHDSI United Kingdom

Author: Daniel Prieto Alhambra
Community: 18 members | 9 data partners

Overview

The UK National Node continued to consolidate national coordination through the HERON UK network, with strong links to other national health data initiatives.

Activities in 2025

- Annual OHDSI UK face-to-face meeting with over 100 attendees
- Regular OMOP Special Interest Group online meetings in collaboration with HDRUK

Other key highlights 2025

- Publication of the OHDSI UK website: https://ohdsi.github.io/ohdsi-uk/
- Consolidation of the Health Data Research OMOP Network for the UK (HERON-UK), including 7 data partners
- Completion of 3 research studies across the HERON UK network
- Extension of funding for the HERON UK network establishment and coordination

Goals for 2026

- To complete further analyses of the HERON UK network, including a study on the use of acute Cardiovascular treatments and outcomes.
- Collaboration with other UK-based Health Data networks, including the British Heart Foundation Data Science centre.

Cross-node synthesis and key themes

The 2025 National Node reports highlight several shared developments and priorities across countries, despite differences in size, maturity, and national context.

Community development and coordination

Most nodes report stable growth or deliberate consolidation of their communities, supported by regular meetings, working groups, and targeted events. Several nodes emphasize the value of in-person interaction alongside online coordination, as well as the introduction of more structured coordination and leadership models, to strengthen collaboration and sustain engagement.

Data partner expansion and infrastructure maturity

Across Europe, nodes continue to onboard new data partners and strengthen existing OMOP implementations, while also supporting partners at earlier stages of readiness. Efforts focus on ETL support, data quality improvement, mapping activities, and broader coverage across care settings. National registries, university hospitals, and large population datasets play a central role in these developments.

Participation in international studies

Many nodes report active participation in multinational initiatives such as DARWIN EU and OHDSI network studies. For some countries, 2025 marked the first contribution of national data to international real world evidence studies, while others increasingly contribute to study design, coordination, and methodological development within international networks.

Broadening of OMOP use cases

While observational research remains central, several nodes report expanded use of OMOP in areas such as oncology, genomics, training and education, PROMs, federated or advanced analytics, hospital operations, and policy engagement. This reflects a wider integration of OMOP into national health data ecosystems beyond individual studies.

Policy alignment and sustainability

Engagement with national health data authorities, alignment with the European Health Data Space, and exploration of long-term funding and governance models appear across multiple reports. Nodes increasingly position themselves at the intersection of technical implementation and governance, while addressing the sustainability of infrastructure, vocabularies, and coordination activities.

Shared priorities for 2026

Across the National Nodes, there is strong alignment on a number of priorities for 2026 that lend themselves naturally to joint European collaboration and coordinated action.

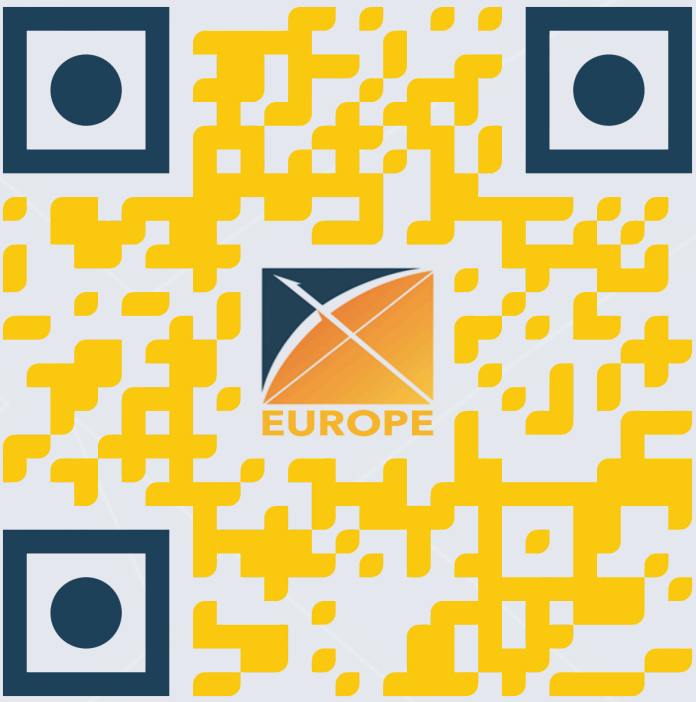
A key focus is the **continued improvement of data quality**, **coverage**, and **readiness for reuse.** Many nodes aim to deepen mappings across clinical domains, extend coverage across care settings, and improve consistency of national vocabularies. Coordinated efforts on tooling, quality assessment, and shared or reusable mapping practices could accelerate progress and reduce duplication across countries.

Another shared priority is **broader and more inclusive participation in OMOP-based studies**. Several nodes highlight the need to lower barriers for newer or less mature data partners through stepwise onboarding, training, and capacity building. Joint initiatives such as pan-European pilot studies, study-a-thons, or staged network studies could provide practical learning opportunities while strengthening cross-node collaboration.

Sustainability of OMOP infrastructures, vocabularies and **coordination models** also emerges as a common concern. Nodes express interest in shared approaches to funding, maintenance, and long-term governance, including more formal organizational structures. Collaborative work on European vocabulary extensions, update pipelines, and alignment with international standards could provide tangible value across countries.

Many nodes also point to the growing importance of **advanced analytics and new use cases**, including federated learning, oncology, genomics, PROMs and operational applications within healthcare institutions. Coordinated exploratory projects or thematic working groups could help translate these ambitions into concrete, reusable methods and reference implementations.

Finally, **alignment with European policy frameworks**, in particular the European Health Data Space, is a shared strategic objective. National Nodes are well positioned to jointly explore how OMOP, OHDSI tools, and related standards can support emerging regulatory and technical architectures, and to articulate a coherent European perspective grounded in practical implementation experience.



www.ohdsi-europe.org

#OHDSIEurope #JoinTheJourney #DataSavesLives