

Standardized Vocabulary Summer Refresh

OHDSI Community Call Sept. 2, 2025 • 11 am ET

n ohdsi



Andrew Williams: 1963-2025







Upcoming Community Calls

Date	Topic
Sept. 2	Standardized Vocabulary Summer Refresh Update
Sept. 9	Global Symposium Preview
Sept. 16	OHDSI/OMOP Research Spotlight
Sept. 23	Educating on OHDSI: Lessons Learned
Sept. 30	OHDSI 2025 Poster Preview Mad Minutes / Symposium Logistics
Oct. 7	No Call – OHDSI Symposium
Oct. 14	Welcome to OHDSI
Oct. 21	Meet the Titans







Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?







OHDSI Shoutouts!



Congratulations to the team of Jae-Hyuk Jang, ChulHyoung Park, Chungsoo Kim, Youngsoo Lee, **Eunyoung Lee, Rae Woong Park, and** Hae-Sim Park on the publication of **Real-World Effectiveness of Omalizumab Treatment in Adult** Asthma Patients in the Yonsei Medical Journal.





Real-World Effectiveness of Omalizumab Treatment in Adult Asthma Patients

Jae-Hyuk Jang^{1*}, ChulHyoung Park^{2*}, Chungsoo Kim^{3,4}, Youngsoo Lee¹, Eunyoung Lee⁵, Rae Woong Park^{2,6}, and Hae-Sim Park¹

Department of Allergy & Clinical Immunology, Ajou University School of Medicine, Suwon, Korea

²Department of Biomedical Informatics, Ajou University School of Medicine, Suwon, Korea

³Department of Internal Medicine, Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT, USA

⁴Center for Outcomes Research and Evaluation, Yale-New Haven Hospital, New Haven, CT, USA

⁵Department of Neurology, McGovern Medical School, University of Texas Health Science Center at Houston, Houston, TX, USA

⁶Department of Biomedical Sciences, Ajou University Graduate School of Medicine, Suwon, Korea

Purpose: Omalizumab improves clinical outcomes for patients with severe asthma (SA), but its long-term effectiveness and potential biomarkers for predicting patient response require further investigation. This study aimed to evaluate the real-world effectiveness of omalizumab in treating SA and to identify potential biomarkers for predicting a favorable treatment response.

Materials and Methods: Clinical outcomes were compared between asthma patients receiving omalizumab (omalizumab group) and those on inhaled corticosteroid with long-acting beta-agonist (ICS-LABA) alone (ICS-LABA group). Propensity score matching and Cox proportional hazards model were used to calculate hazard ratios (HRs). Study outcomes included severe asthma exacerbation (SAE), incompletely controlled asthma, intravenous (IV) corticosteroid use, and asthma-related hospitalization. Incompletely controlled asthma was defined by blood eosinophil counts ≥150 cells/µL, fractional exhaled nitric oxide (FeNO) ≥25 ppb, forced expiratory volume in one second (FEVI%) <80%, or SAE occurrence.

Results: The omalizumab group had significantly lower risks of SAE (HR 0.17, p=0.03), incompletely controlled asthma (HR 0.56, p=0.04), IV corticosteroid treatment (HR 0.38, p=0.02), and asthma-related hospitalization (HR 0.27, p=0.05). Blood eosinophil count stayed lower in the omalizumab group. FEV1% was higher with the omalizumab group, while blood neutrophil count, FeNO, and serum total IgE showed no differences. Furthermore, subgroup analysis showed patients with treatment-favorable response (>50% reduction in systemic corticosteroid dose) exhibited decreased blood neutrophil counts but increased FEV1% and serum total IgE levels compared with the treatment-unfavorable group.

Conclusion: Omalizumab treatment effectively reduces SAE and improves lung function and asthma control. Blood neutrophil counts and serum total IgE may be potential biomarkers for predicting favorable responses to omalizumab treatment.

Key Words: Asthma, IgE, omalizumab, neutrophils



OHDSI Shoutouts!



Congratulations to the team of Seon Beom Jo, Sun Tae Ahn, Hyung Joon Joo, Jong Wook Kim, and Mi Mi Oh on the publication of Carbapenem Resistance and ESBL-Producing **Enterobacteriaceae in Patients with Urological Infections from 2012 to 2021** in Three Korean Hospitals in Diagnostics.





Article

Carbapenem Resistance and ESBL-Producing Enterobacteriaceae in Patients with Urological Infections from 2012 to 2021 in Three Korean Hospitals

empirical UTI therapies in Korean clinical practice.

Seon Beom Jo 10, Sun Tae Ahn 10, Hyung Joon Joo 20, Jong Wook Kim 10 and Mi Mi Oh 1,*

- Department of Urology, Korea University Guro Hospital, Seoul 08308, Republic of Korea
- Department of Cardiology, Korea University Anam Hospital, Seoul 02841, Republic of Korea
- * Correspondence: mamah@hanmail.net

Abstract

Background: Urinary tract infections (UTIs) remain a leading cause of community- and hospital-onset bacterial infections worldwide. Although many countries have implemented antimicrobial resistance (AMR) surveillance systems, longitudinal multicenter data on key uropathogens in Korea remain limited. Methods: We retrospectively evaluated Escherichia coli and Klebsiella pneumoniae isolates from patients with clinically diagnosed UTIs at three tertiary-care Korean hospitals (2012-2021). Using a harmonized Observational Medical Outcomes Partnership Common Data Model (OMOP CDM), we analyzed antibiotic susceptibility based on Clinical and Laboratory Standards Institute breakpoints. Trends in resistance to key antibiotics (including fluoroquinolones, cephalosporins, and carbapenems) were assessed using the Cochran-Armitage test. Results: From 2012 to 2021, ESBL-producing E. coli and K. pneumoniae increased from 24.1% to 38.2% and 39.2% to 46.4%, respectively. The rates for K. pneumoniae remained stable over the last 6 years, and for E. coli, they remained stable over the last 3 years. Resistance rates for E. coli increased from 44.5% to 60.0% (ciprofloxacin) and from 26.3% to 40.2% (cefotaxime), while carbapenem resistance (ertapenem) remained low, at 0.3% to 1.2%. In contrast, K. pneumoniae exhibited high resistance levels to fluoroquinolones, cephalosporins, and other broad-spectrum antibiotics, with notable increases in resistance to ertapenem, from 3.0% to 18.1%, and imipenem, from 0.4% to 16.8%. This escalation mainly stemmed from the rise in ertapenem (6.6% to 17.0%) and imipenem (0.8% to 14.6%) resistance rates among Klebsiella-ESBL producers. Conclusions: We conclude that in Korea, the proportion of ESBL-producing E. coli and K. pneumoniae increased significantly from 2012 to 2018 and has since remained stable for the last 3 years (E. coli) and 6 years (K. pneumoniae). Although carbapenem resistance in E. coli remains low, K. pneumoniae has experienced a significant rise, primarily attributable to its ESBL-producing strains. These findings underscore the importance of vigilant antimicrobial stewardship and continuous surveillance to guide



Academic Editor: Alessandro Russe Received: 6 July 2025 Revised: 3 August 2025 Accepted: 9 August 2025 Published: 11 August 2025

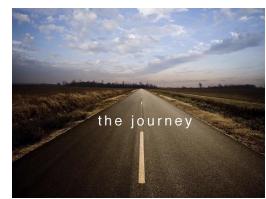
Citation: Jo, S.B.; Ahn, S.T.; Joo, H.J.; Kim, J.W.; Oh, M.M. Carbapenem Resistance and ESBL-Producing Enterobacteriaceae in Patients with Urological Infections from 2012 to 2021 in Three Korean Hospitals. *Diagnostics*





Three Stages of The Journey

Where Have We Been? Where Are We Now? Where Are We Going?







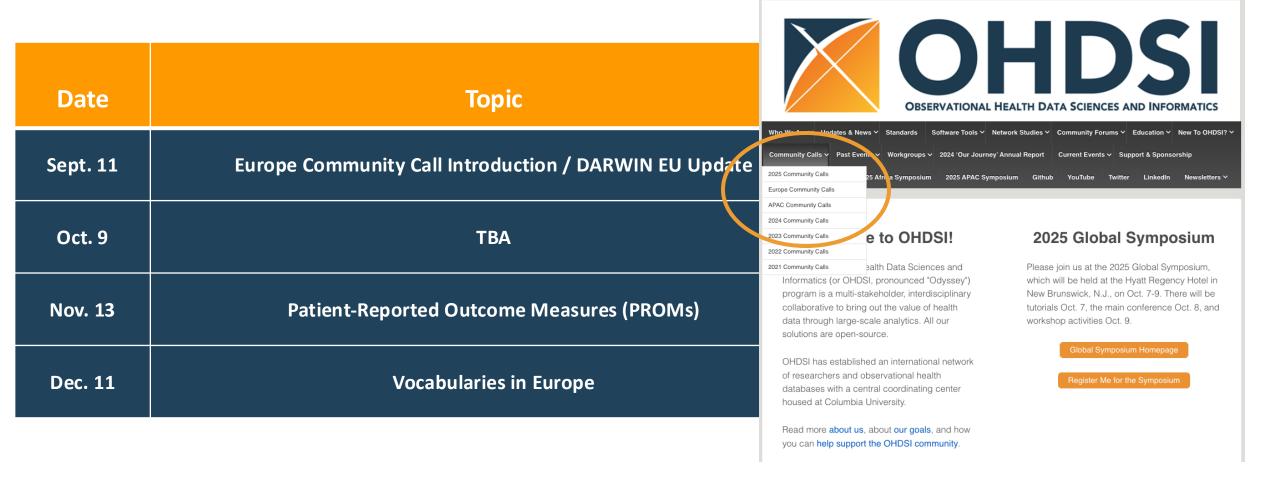
Upcoming Workgroup Calls



Date	Time (ET)	Meeting
Tuesday	12 pm	ATLAS/WebAPI
Wednesday	7 am	Medical Imaging
Wednesday	8 am	Psychiatry
Wednesday	11 am	Common Data Model
Thursday	11 am	Themis
Thursday	11 am	Industry
Thursday	12 pm	Medical Devices
Thursday	12 pm	Methods Research
Thursday	1 pm	Oncology Vocabulary/Development Subgroup
Thursday	2 pm	Early-Stage Researchers
Thursday	7 pm	Dentistry
Friday	10 am	Transplant
Friday	10 am	GIS – Geographic Information System
Friday	11:30 am	Steering
Monday	10 am	Healthcare Systems Interest Group
Tuesday	9 am	Oncology Genomic Subgroup



2025 Europe Community Calls







Science Summit 2025 alongside the United Nations General Assembly (UNGA80) 9 - 26 September 2025



https://sciencesummitnyc.org/

Science for a Sustainable Future: Showcasing Science Collaboration

The role and contribution of **science in attaining the United Nations Sustainable Development Goals (SDGs)** will be the central theme of the Science Summit. The objective is to enable science collaborations to demonstrate how science supports the attainment of the UN SDGs and Agenda 2030.

The Summit will examine what **enabling policy, regulatory and financial environments** are needed to implement and sustain the science mechanisms required to support genuinely global scientific collaborations across continents, nations and themes.

Scientific discovery through the analysis of massive data sets is at hand. This data-enabled approach to science, research and development will be necessary if the SDGs are to be achieved.

SCIENCE FOR GLOBAL CHALLENGES ightarrow

Full programme is <u>here</u>

Registration links

Part 1 Sep 18, 8:30-10:30 EDT: https://event.sciencesummitnyc.org/list-of-sessions/detail/131
Part 2: Sep 18, 11:00-13:00 EDT https://event.sciencesummitnyc.org/list-of-sessions/detail/130
Full programme here: https://event.sciencesummitnyc.org/list-of-sessions/detail/130

- Part 1
- 1. Observational Health Data Science and Informatics (OHDSI): Inclusive and Collaborative Science. George Hripcsak
- 2. Promoting Data Harmonization and Data Science in Africa. Agnes Kiragga
- 3. Rapid Response to the Covid-19 Pandemic Using a National Scale Database. Chan Seng You
- OHDSI in Asia and the Pacific Rim. Nicole Pratt
- 5. Q&A Session

- Part 2
- 1. Enabling Reliable Evidence Generation from Real-word Data in Europe. Peter Rijnbeek
- 2. DARWIN-EU® Delivering Real World Evidence to Support Regulatory Decisionmaking by the European Medicines Agency. Katia Verhamme
- 3. OHDSI Adoption and Current Implementation Landscape in Latin America. Julio Cesar Barbour Oliveira
- 4. Learning Opportunities for OHDSI Skills Development. Cynthia Sung
- 5. Clinical and Public Health Impact of OHDSI.
 Patrick Ryan
- 6. Q&A Session



Titan Award Nominations Are Open

The Titan Awards have been handed out annually since 2018 to recognize OHDSI collaborators (or collaborating institutions) for their contributions towards OHDSI's mission.

Nominations for the 2025 Titan Awards are now open. Please complete your nominations by our Sept. 9 (8 pm ET) deadline!

ohdsi.org/titan-awards





September Newsletter is Available



The Journey Newsletter (September 2025)

LLM Innovations throughout OHDSI were highlighted recently, and those talks are included in this newsletter. The Global Symposium (Oct. 7-9, New Brunswick, NJ) is quickly approaching, and new updates are shared below. Don't miss your chance to learn, share and network with our worldwide community; visit www.ohdsi.org/ohdsi2025 to secure your place before registration is capped! JoinTheJourney

Podcast: LLMs, Collaboration & OHDSI2025



and they discuss the collaboration opportunities that come from this research. They

also look ahead to the Global Symposium, including new tutorials, an added

workgroup activity, and an extended collaborator showcase. (If video doesn't appear,

click View this email in your browser)

Agenda Posted For OHDSI 2025; Collaborator Showcase Accepts 140+ Posters/Demos/Talks



We're just weeks away from the OHDSI 2025 Global Symposium! From Oct. 7–9, the Hyatt Regency in New Brunswick, NJ, will host our 11th annual event, bringing the global community together to advance open science and collaboration. Registration is open, so don't miss your chance to learn, share, and network with colleagues from across the world.

We heard the community's wishes for more time for the collaborator showcase, and we have adjusted the format for 2025. Following the Scientific Review Committee's acceptance of 140+ submissions, we will add an extra series of lightning talks and extended time for posters and demos. We are also opening up a poster preview session during our networking reception, which will now be Tuesday, Oct. 7, at 6 pm ET.

The three-day agenda, which includes Tuesday tutorials and Thursday workgroup activities, has been posted and is available below. Specific information will be shared during the Sept. 9 community call, which will preview all three days of the symposium. Use the links below to learn more information, and we hope to see you next month in New Brunswick!

OHDSI 2025 Homepage
OHDSI 2025 Agenda

Community Updates

Where Have We Been?

- The Scientific Review Committee accepted more than 140 submissions for the 2025 Global Symposium Collaborator Showcase, including posters, software demos and lightning talks. The showcase will be extended this year to feature two sets of lightning talks and a poster preview during the Tuesday night networking reception. See the full symposium agenda later in this newsletter.
- The vocabulary team completed the 2025 Summer Refresh last week, and the leadership team will provide updates during the Sept. 2 community call. You can watch the recording from that session on the OHDSI community calls or YouTube pages.
- The Aug. 26 community call welcomed collaborators around the world to provide brief presentations on LLM-related projects they are working on. This session showed the breadth of LLM work happening in OHDSI, but it also created avenues for collaboration within the network. Learn more later in this newsletter.

Where Are We Now?

- The Global Symposium will be held Oct. 7-9 at the Hyatt Regency Hotel in New Brunswick, N.J., USA. <u>Registration is open</u>, and details for the event are on the <u>OHDSI2025 homepage</u>, as well as later in this newsletter. The Sept. 9 community call will provide a full preview of the event.
- The OHDSI community will lead multiple sessions during the 2025 United Nations Science Summit on Thursday, Sept. 18. The 8:30 am ET session and the 11:00 am ET session will both be available online, and speakers for each are listed on their specific session pages.
- The #OHDSISocialShowcase is highlighting research from the 2024 Europe Symposium this month. Please follow

our <u>LinkedIn</u>, <u>Twitter/X</u>, <u>Bluesky</u> and <u>Instagram</u> feeds to learn more about the research happening in our community.

Where Are We Going?

- OHDSI Europe will begin a monthly community call series Sept. 11, and the
 opening session will include an update on DARWIN EU. Calls will be hosted the
 second Thursday of each month at 1 pm CET; the meeting link, slides and
 videos are available on the EU community call homepage.
- The first 2025 OHDSI Africa Symposium will be held Nov. 10-12 in Kampala, Uganda, and registration is open. The abstract submission deadline is Sept. 10. A tentative agenda can be found on the event homepage.
- The <u>2025 OHDSI Asia-Pacific Symposium</u> will be held Dec. 6-7 in Shanghai, China. <u>Registration recently opened</u>, and the deadline for the collaborator showcase is Sept. 7.

Global Researchers Showcase Their LLM Innovations, Share Collaboration Opportunities











The Aug. 26 community call welcomed collaborators around the world to provide brief presentations on LLM-related projects they are working on, to both show the breadth of work happening in OHDSI, but to also create avenues for collaboration within the network. The following collaborators provided presentations: Georgina Kennedy, Olga Endrich, Joel Swerdel, Zsolt István, Jianlin Shi, Rowan Perry, Iurii Iurchenko, Subin Kim, Sumin Lee, and Hanjae Kim.

Presentations and slides from this session are available below. There were also several LLM-related submissions showcased at the 2025 Europe Symposium, and others that will be shared at the upcoming Global Symposium.

Video: LLM Innovations in OHDSI

Slides: LLM Innovations in OHDSI



Global Symposium: Oct. 7-9



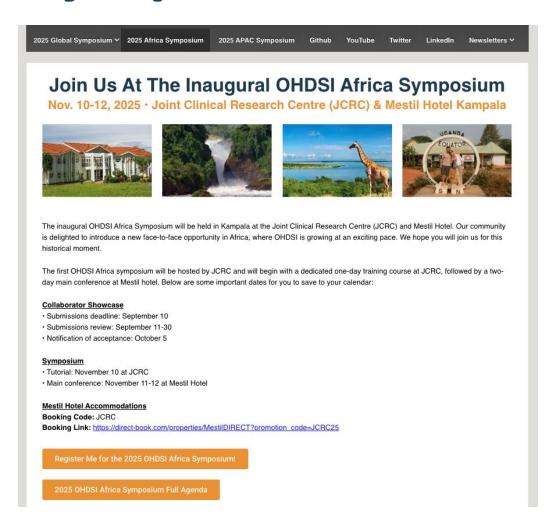
ohdsi.org/ohdsi2025



in ohdsi



Africa Symposium: Nov. 10-12



ohdsi.org/africa2025



in ohdsi



APAC Symposium: Dec. 6-7

The 2025 OHDSI APAC Symposium will be held Dec. 6-7 in Shanghai, China at the Shanghai Jiao Tong University. It will feature a 1-day tutorial and a 1-day main conference. Here are some important dates for you to save to your calendar:



Collaborator Showcase

- Submissions deadline: September 7
- •Submissions review: September 8 October 9
- Notification of acceptance: October 17



ohdsi.org/apac2025

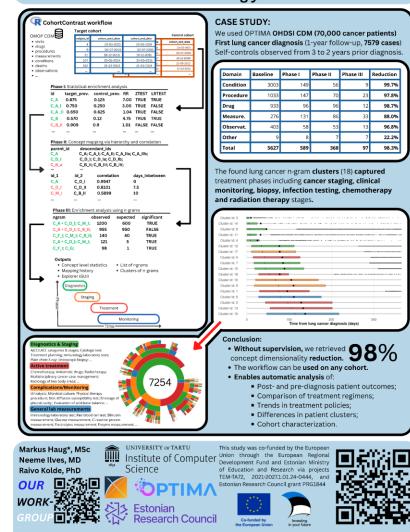


Monday

Automated
Identification of
Treatment
Trajectories on
OMOP CDM

(Markus Haug, Raivo Kolde)

CohortContrast: Identify relevant events characterizing your cohort





Tuesday

RIANA Dashboard: A
Blockchain-Enabled
Approach for Representing
Al Model Intent in OMOP
with Atlas-Like
Functionality

(Frederic Jung, Guilherme Madureira Sanches Ribeiro, Ankur Lohachab, Stef Rommes, Visara Urovi, Chang Sun, Gökhan Ertaylan, Alfred Attipoe) A user-friendly alternative to **OHDSI Atlas** for **documenting** and **reporting**medical **Al models** claims

Title: RIANA Dashboard: A Blockchain-Enabled Approach for Representing Al Model Intent in OMOP with Atlas-Like Functionality



Al models in healthcare face increasing demands for transparency, reproducibility, and regulatory alignment. To meet these needs, we developed the REALM Intelligent Analytics (RIANA) Dashboard, an alternative user interface to Atlas specifically designed to capture and formalize the intent behind A models used in clinical practice. RIANA helps users to define patient cohorts, map input features and report performance metrics using standardized vocabularies and clinical concepts from the OMOP Common Data Model. This structured approach ensures that each Al model is clearly linked to a well-defined target population, streamlining preparation for CE marking and compliance with emerging EU regulatory frameworks.

igure 1: High-level user workflow in the RIANA dashboar



RIANA simplifies the process of defining and documenting the claims of Al models through an intuitive web-based interface. Model intended purpose and input features can be easily mapped to the standardized OMOP vocabulary (Figure 3).

regure: Leaved on this structured input, known users can easily search a concept codes 0 0 to generate cohort definitions 0 translation inclusion and exclusion criteria directly from the model's intended ur Detailed concept distributions and demographics for each scenarios a generated from Achilles 0.

Figure 2: Simplified RIANA dashboard reporting workflow using

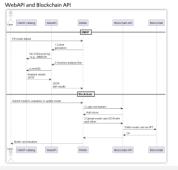


Figure 3: RIANA Dashboard Interface with OMOP Autocomplete for Defining Patient Target Group



Finally, all components, including the cohort definition **©**. Achilles outputs **©**, and performance metrics, are bundled into a structured JSON model card **©**, providing a transparent and reproducible summary that can also be visualized and published **©** for data partners, regulators authorities and policy bodies.





Frédéric Jung¹, Guilherme Madureira Sanches Ribeiro Ankur Lohachab³, Stef Rommes¹, Visara Urovi³, Chan VITO, Vlaamse Instelling voor Technologisch Onderzoek, Mol, spigloum (2) CoMBUNICARE Solitions, Liege, Beigloum (3) Institute Data Science, Maastricht University, Maastricht, the Netherlands VITO





Wednesday

Improvement of operational efficiency in clinical studies thanks to OMOP repositories of data from clinical practice

(Thibault Helleputte, Maryna Borshchivska, Philippe Olivier)

Clinical study data collection is up to **10 times faster** thanks to OMOP.

Improvement of operational efficiency in clinical studies thanks to OMOP repositories of data from clinical practice.

Background: Hospitals play a crucial role in clinical research, from which they may also derive revenues. Validated clinical study protocols (retrospective/prospective) are implemented by clinical researchers. A set of information (inclusion/exclusion criteria, endpoints/covariates of the study) has to be retrieved from hospital records, which takes a considerable time. Having a systematic ingestion of a part of the medical practice data into an OMOP database is an opportunity to increase clinical research efficiency.

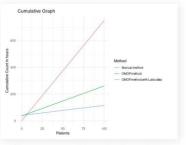
Method

INAH provides a functional platform to store OMOP-transformed data from medical practice at large scale. We consider an actual request for a retrospective clinical trial from a private sponsor (oncology diagnosis based on imaging). The protocol implies the collection of 108 data items/patient to include in the study cohort

Traditional clinical data management Clinical Protocol Routine Medical Data Study Database Important manual investigation in various electronic systems and paper records. The time needed to gather the requested information per patient has been measured. 2 OMOP-based semi-automated data management Clinical Protocol Routine Medical Data Out- Semi-automation of the study database Study database Semi-automation of the study database generation. The time needed to design an OMOP

Results

The traditional way takes 75h per patient to collect data (we omit the extra time to conclude if patients do match all criteria). The semi-automated way has a fixed overhead of 40h (OMOP query design & validation) and covers about, -70% of the requested data items. About 30% of the items must still be gathered manually, leading to 2.25h / patient. Both take a linear time depending on the number of patients.



Adding an extra connector to laboratory data to the INAH platform would increase by 8h the time for design and validation of the OMOP query. but it would speed up the constitution of the cohort even more: 0.75N/patient, i.e. 10% of original time.

Conclusion: Routinely extract, transform, and load primary data in an OMOP data warehouse strongly increase the efficiency of clinical study conduct. This efficiency, in turn, can be used to increase hospital attractiveness for external sponsors increase the connectitiveness of the hospital in research and publications, or increase the financial margin of the hospital.





Helleputte Thibault, Borshchivska Maryna, Olivier Philippe









Thursday

Standardization of Routine
Clinical Data Using the
OMOP Common Data
Model: Exploring Its
Application in Infectious
Disease Research

(Maxim Moinat, Joany Zachariasse, Renske Los, Mees Mosseveld, Clementien Vermont, Rianne Oostenbrink, Peter Rijnbeek) A successful mapping of FHIR tables of a large tertiary hospital to the OMOP CDM, showing value for an infectious disease use case.

STANDARDIZATION OF ROUTINE CLINICAL DATA USING THE OMOP COMMON DATA MODEL: EXPLORING ITS APPLICATION IN INFECTIOUS DISEASE RESEARCH

Background: The COVID pandemic offers many opportunities to study the epidemiology and transmission of infectious diseases

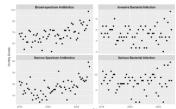
However, the use of real-world data from this period is hindered by challenges in electronic health record (EHR) data extractio

and standardization.

The health data at Erasmus MC, a tertiary hospital in the Netherlands, is made available as FHIR tables. Adding an OMOP CDN mapping on top of this enables use of OHDSI analytical tools and international collaboration.

Figure 1: Source and target OMOP CDM tables. Note that conditions with a "History' of were mapped to observation. The observation period was populated with data from all source tables taking first and last event after date of EHR introduction. Figure 2. Number of monthly events for broad spectrum antibiotics, invasive bacterial infections, narrow spectrum antibiotics and serious.





ETL METHODS:

- ETL implemented in a Java application
 Reuse of existing mappings of ICD10, DHD Diagnosis and DHD Verrichtingen
- Usagi for manual mappings

ETL RESULTS:

- In total, nine source tables were mapped to fifteen OMOP CDM tables (figure 2).
- Eleven local and national coding systems wer mapped to the OMOP standard vocabularies.
- One national coding system was reused (Zindex) and eight local coding systems have been partly mapped.

STUDY METHODS:

- Design: single centre, observational study based on routine clinical data
 Study population: children <18 years attending the emergency department of a tertiary hospital
- Study period: January 1st, 2018 until 31 March 2023 (throughout and after the COVID-19 pandemic)
- Outcomes: monthly counts of 1) bacterial infections (serious and invasive) defined by diagnosi code; 2) antibiotics used (narrow and broad spectrum), defined by RxNorm code
 Analysic Explorative analysis of trends over time.

STUDY RESULTS:

- 5529 unique persons, representing 7815 events.
- Monthly counts of serious bacterial and invasive infections were low and remained relatively stable.
- Monthly numbers of antibiotic prescription were more variable; an increase in absolute prescriptions cannot be excluded and requires formal statistical analysis.

CONCLUSIONS: With the OMOP mapped data, we were able to directly apply OHDSI Atlas and standardised analytics like IncidencePrevalence. This helped to quickly get initial results and allows for running the analyses in a network of OMOP mapped data sources. Next steps include quality control by chart review, adding microbiology data and formal statistical trend analysis.



Maxim Moinat¹, Joany Zachariasse², Renske Los¹, Mees Mosseveld¹, Clementien Vermont³, Peter Rijnbeek¹, Rianne Oostenbrink²

1. Eramus MC, Department of Medical Informatics; 2. Eramus MC-Sophia, Department of Ceneral Paediatrics;



Friday

Enhancing Transparency in Healthcare - Blockchain-Supported Model Cards for AI Evaluation Reporting with OMOP and Heracles

(Frederic Jung, Ankur Lohachab, **Guilherme Madureira Sanches** Ribeiro, Stef Rommes, Visara Urovi, Chang Sun, Gökhan Ertaylan)

Enhancing transparency in Al for healthcare with OMOP Model Card reporting

Title: Enhancing Transparency in Healthcare - Blockchain-Supported Model Cards for AI Evaluation Reporting with OMOP and Heracles.



regulations like the AI Act and EHDS. We propose an extended model card framework, rooted in OHDSI methodologies and the OMOP CDM, that

Model Card Section	Representative Examples
Factors Includes demographic or phenotypic groups, environmental conditions, and other stratification factors. These are defined as cohort definitions in JSON format, allowing a structured representation of patient groups.	"InclusionUse": [{ "operation": [{ "operation": [
Features Provides the feature mapping between the input dataset and the OMOP CDM. For each feature and its modalities, the mapping ensures alignment with standardized OMOP concept.	"name", "COPSOLVERTY", "source_values"; "SYNEE", "MODERAT", "TARREY_values"; 420097, 413031, "Continue.commence", "domain", "continue.commence",
Evaluation Dataset Provides details on the dataset used for quantitative analyses in the model card. This includes Heracles results per OMOP data sources along with patient counts, generation timestamps, summarizing demographics and clinical distributions	"dataset5": ["mass" "MIMICIII", "dataset10": "1234", "mannery: but ion": ["PersonOist-Select ion": ["mannery: but ion": "mannery: but ion: but ion: "mannery
Metrics Reflects the potential real-world impact of the model by capturing performance measures. These metrics are stored alongside the evaluation dataset and are linked using the same	},[-] **netrics": [{ "datasetID": "1234*, "name": "Accuracy", "score": "0.85", , ,

Table 1 shows how OMOP-aligned JSON fields structure the card, while Figure 1 gives an example of it can be visualized. To ensure traceability and auditability, model cards are published as NFTs on the Polygon blockchain using the ERC-1155 standard. The RIANA dashboard, a web-based interface guides model developers to create the model card through a 4-sten process: (1) cohort definition via WehAPI (2) cohort supporting regulatory and institutional review processes

Figure 1: Model Card Visualization Component



Each model card encapsulates performance metrics and cohort characteristics in a format interpretable by OHDSI tools such as Atlas. This framework supports manufacturers in regulatory approval processes (e.g.,











Where Are We Going?

Any other announcements of upcoming work, events, deadlines, etc?



Three Stages of The Journey

Where Have We Been? Where Are We Now? Where Are We Going?







Sept. 2: Standardized Vocabulary Summer Refresh



Masha Khitrun

Senior Scientific Curation Specialist, EPAM Systems



Anna Ostropolets

Associate Director, Johnson & Johnson Innovative Medicine; Adjunct Assistant Professor, Columbia University



Vlad Korsik

Vocabulary Technical Lead, EPAM Systems



Melanie Philofsky

Director Clinical Informatics, EPAM Systems



The weekly OHDSI community call is held every Tuesday at 11 am ET.

Everybody is invited!

Links are sent out weekly and available at: ohdsi.org/community-calls-2025



