European Symposium Recap

OHDSI Community Call
June 11, 2024 • 11 am ET
## Upcoming Community Calls

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 11</td>
<td>European Symposium Review</td>
</tr>
<tr>
<td>June 18</td>
<td>Application of LLMs In Evidence Generation Process</td>
</tr>
<tr>
<td>June 25</td>
<td>Recent OHDSI Publications</td>
</tr>
</tbody>
</table>
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
Congratulations to the team of Giorgio Gandaglia, Francesco Pellegrino, Bertrand De Meulder, Ayman Hijazy, Thomas Abbott, Asieh Golozar, Rossella Nicoletti, Juan Gomez-Rivas, Carl Steinbeisser, Susan Evans-Axelsson, Alberto Briganti, and James N'Dow on the publication of Research protocol for an observational health data analysis to assess the applicability of randomized controlled trials focusing on newly diagnosed metastatic prostate cancer using real-world data: PIONEER IMI’s “big data for better outcomes” program in the International Journal of Surgery Protocols.
OHDSI Shoutouts!

Congratulations to the team of Maria A Rujano, Jan-Willem Boiten, Christian Ohmann, Steve Canham, Sergio Contrino, Romain David, Jonathan Ewbank, Claudia Filippone, Claire Connellan, Ilse Custers, Rick van Nuland, Michaela Th Mayrhofer, Petr Holub, Eva García Álvarez, Emmanuel Bacyr, Nigel Hughes, Mallory A Freeberg, Birgit Schaffhausen, Harald Wagener, Alex Sánchez-Pla, Guido Bertolini, Maria Panagiotopoulou on the publication of Sharing sensitive data in life sciences: an overview of centralized and federated approaches in Briefings in Bioinformatics.

Maria A. Rujano, PhD in Medical Sciences from the University of Groningen, serves as a Project Manager at ECLINIC contributing to EU initiatives for healthcare data research. With expertise in clinical and translational pharmacology, she has worked in principal investigator roles, including Medical Director and Clinical Trials Director.

Jan-Willem Boiten, PhD in Information Systems, is an experienced leader in the field of data science and management. He has extensive experience in the pharmaceutical industry, focusing on data science and analytics.

Christian Ohmann has a PhD in Life Sciences and holds a position as a Research Director at ECLINIC, where he leads a team of data scientists and analysts.

Steve Canham, PhD in Information Systems, has extensive experience in data science and analytics, with a focus on clinical trial data analysis and management.

Sergio Contrino, PhD in Informatics, has a background in biostatistics and informatics, working on the development of data management systems.

Romain David, PhD in Computer Science, specializes in data science and analytics, focusing on data management and integration.

Jonathan Ewbank, PhD in Data Science, has extensive experience in data management and analytics, working on the development of data-driven solutions.

Claudia Filippone, PhD in Computer Science, specializes in data science and analytics, with a focus on the development of data management systems.

Claire Connellan, MSc in Data Science, has a background in data science and analytics, with a focus on data management and integration.

Ilse Custers, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.

Rick van Nuland, MSc in Data Science, has extensive experience in data science and analytics, with a focus on data management and integration.

Michaela Th Mayrhofer, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.

Petr Holub, MSc in Data Science, has extensive experience in data science and analytics, with a focus on data management and integration.

Eva García Álvarez, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.

Emmanuel Bacyr, MSc in Data Science, has extensive experience in data science and analytics, with a focus on data management and integration.

Nigel Hughes, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.

Mallory A Freeberg, MSc in Data Science, has extensive experience in data science and analytics, with a focus on data management and integration.

Birgit Schaffhausen, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.

Harald Wagener, MSc in Data Science, has extensive experience in data science and analytics, with a focus on data management and integration.

Alex Sánchez-Pla, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.

Guido Bertolini, MSc in Data Science, has extensive experience in data science and analytics, with a focus on data management and integration.

Maria Panagiotopoulou, MSc in Data Science, has expertise in data science and analytics, with a focus on data management and integration.
Congratulations to the team of Pedro Mateus, Justine Moonen, Magdalena Beran, Eva Jaarsma, Sophie M van der Landen, Joost Heuvelink, Mahlet Birhanu, Alexander Harms, Esther Bron, Frank J Wolters, Davy Cats, Hailiang Mei, Julie Oomens, Willeijn Jansen, Miranda T Schram, Andre Dekker, and Inigo Bermejo on the publication of Data harmonization and federated learning for multi-cohort dementia research using the OMOP common data model: A Netherlands consortium of dementia cohorts case study in the Journal of Biomedical Informatics.

**OHDSI Shoutouts!**

**Original Research**

Data harmonization and federated learning for multi-cohort dementia research using the OMOP common data model: A Netherlands consortium of dementia cohorts case study

Pedro Mateus, Justine Moonen, Magdalena Beran, Eva Jaarsma, Sophie M van der Landen, Joost Heuvelink, Mahlet Birhanu, Alexander Harms, Esther Bron, Frank J Wolters, Davy Cats, Hailiang Mei, Julie Oomens, Willeijn Jansen, Miranda T Schram, Andre Dekker, and Inigo Bermejo

**Keywords:**
- Data harmonization
- Cohen’s alpha
- EHR
- OMOP
- Federated learning

**ABSTRACT**

Background: Establishing collaborations between cohort studies has been fundamental for progress in health research. However, such collaborations are hampered by heterogeneous data representations across cohorts and legal constraints to data sharing. The team overcame this problem by designing a data harmonization pipeline that used shared definitions and a common data model across studies.

Methods: The study involved the use of the OHDSI Shoutouts! federated learning platform to harmonize data across multiple cohorts. The platform provided a standardized way to exchange data, enabling the comparison of results across different study designs and populations. The team also used statistical techniques to ensure the accuracy and reliability of the data before sharing it across the consortium.

Results: The project successfully harmonized data across multiple cohorts, allowing for more robust and consistent research findings. The use of federated learning allowed the team to analyze data from different cohorts without compromising the privacy of individuals involved in the studies.

Conclusion: The project demonstrated the feasibility and effectiveness of using federated learning and OMOP as a common data model for multi-cohort research in dementia. This approach can be applied to other complex data integration challenges in health research.
Congratulations to the team of Felix N Wirth, Hammam Abu Attieh, and Fabian Prasser on the publication of OHDSI-compliance: a set of document templates facilitating the implementation and operation of a software stack for real-world evidence generation in Frontiers in Medicine.

OHDSI-compliance: a set of document templates facilitating the implementation and operation of a software stack for real-world evidence generation

Felix N. Wirth, Hammam Abu Attieh and Fabian Prasser* Berlin Institute of Health at Charité – Universitätsmedizin Berlin, Center of Health Data Science, Berlin, Germany

Introduction: The open-source software offered by the Observational Health Data Science and Informatics (OHDSI) collective, including the OMOP-CDM, serves as a major backbone for many real-world evidence networks and distributed health data analytics platforms. While container technology has significantly simplified deployments from a technical perspective, regulatory compliance can remain a major hurdle for the setup and operation of such platforms. In this paper, we present OHDSI-Compliance, a comprehensive set of document templates designed to streamline the data protection and information security-related documentation and coordination efforts required to establish OHDSI installations.

Methods: To decide on a set of relevant document templates, we first analyzed the legal requirements and associated guidelines with a focus on the General Data Protection Regulation (GDPR). Moreover, we analyzed the software architecture of a typical OHDSI stack and related its components to the different general types of concepts and documentation (identities). Then, we created those documents for a prototypical OHDSI installation, based on the so-called Broadsia package, following relevant guidelines from Germany. Finally, we generalized the documents by introducing placeholders and options at places where individual institution-specific content will be needed.
OHDSI Shoutouts!

Congratulations to the team of Shahim Essaid, Jeff Andre, Ian M Brooks, Katherine H Hohman, Madelyne Hull, Sandra L Jackson, Michael G Kahn, Emily M Kraus, Neha Mandadi, Amanda K Martinez, Joyce Y Mui, Bob Zambarano, and Andrey Soares on the publication of MENDS-on-FHIR: leveraging the OMOP common data model and FHIR standards for national chronic disease surveillance in JAMIA Open.

Research and Applications

MENDS-on-FHIR: leveraging the OMOP common data model and FHIR standards for national chronic disease surveillance

Shahim Essaid, MD, Jeff Andre, MS, Ian M. Brooks, PhD, Katherine H. Hohman, DrPH, Madelyne Hull, MPH, Sandra L. Jackson, PhD, Michael G. Kahn, MD, PhD, Emily M. Kraus, PhD, Neha Mandadi, MS, Amanda K. Martinez, MPH, MSN, RN, Joyce Y. Mui, Bob Zambarano, PhD, Andrey Soares, PhD

1Department of Biomedical Informatics, University of Colorado Anschutz Medical Campus, Denver, CO 80045, United States
2Commonwealth Informatics Inc, Waltham, MA 02451, United States
3Health Data Compass, University of Colorado Anschutz Medical Campus, Denver, CO 80045, United States
4National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention (CDC), Atlanta, GA 30333, United States
5Krahdahl Consulting, Denver, CO 80219, United States
6Public Health Informatics Institute, Decatur, GA 30030, United States
7Department of Medicine, University of Colorado Anschutz Medical Campus, Denver, CO 80045, United States
8Corresponding author: Michael L. Sain, MD, Department of Biomedical Informatics, University of Colorado Anschutz Medical Campus, Anschutz Health Sciences Building, 1830 W. 18th Avenue, Aurora, CO 80045, United States (Michael.L.Sain@uchsc.edu)

Abstract

Objectives: The Multi-State EHR-based Network for Disease Surveillance (MENDS) is a population-based chronic disease surveillance distributed data network that uses instruction-specific extraction-transformation-load (ETL) routines. MENDS-on-FHIR examined using Health Language Seven’s Fast Healthcare Interoperability Resources (HL7 FHIR®) and US Core Implementation Guide (US Core IG) compliant resources derived from the Observational Medical Outcomes Partnership (OMOP) Common Data Model (CDM) to create a standards-based ETL pipeline.

Materials and Methods: The input data source was a research data warehouse containing clinical and administrative data in OMOP CDM Version 8.3 format. OMOP-to-FHIR transformations, using a unique JavaScript Object Notation (JSON) to-JSON transformation language called Utrusta, created FHIR R4 V.4.6.6-ES. Core IG V4.0.0, compliant resources that were stored in a local FHIR server. A MAST-based bulk FHIR export request extracted FHIR resources to populate a local MENDS database.

Results: Eleven OMOP tables were used to create 19 FHIR-US Core compliant resource types. A total of 1.13 trillion resources were extracted and created into the MENDS repository. A very low rate of non-compliant resources was observed.

Discussion: OMOP-to-FHIR transformation results passed validation with less than 1% non-compliance rate. These standards-compliant FHIR resources provided standardized data elements required by the MENDS surveillance use case. The bulk FHIR application programming interface (API) enabled population-level data exchange using interoperable FHIR resources. The OMOP-to-FHIR transformation pipeline creates a FHIR interface for accessing OMOP data.

Conclusions: MENDS-on-FHIR successfully replaced custom ETL with standards-based interoperable FHIR resources using bulk FHIR. The OMOP-to-FHIR transformations provide an alternative mechanism for sharing OMOP data.
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
<table>
<thead>
<tr>
<th>Date</th>
<th>Time (ET)</th>
<th>Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>12 pm</td>
<td>Common Data Model Vocabulary Subgroup</td>
</tr>
<tr>
<td>Tuesday</td>
<td>12 pm</td>
<td>Generative AI and Analytics</td>
</tr>
<tr>
<td>Tuesday</td>
<td>3 pm</td>
<td>OMOP CDM Oncology Outreach/Research Subgroup</td>
</tr>
<tr>
<td>Wednesday</td>
<td>7 am</td>
<td>Medical Imaging</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9 am</td>
<td>Patient-Level Prediction</td>
</tr>
<tr>
<td>Wednesday</td>
<td>12 pm</td>
<td>Health Equity</td>
</tr>
<tr>
<td>Wednesday</td>
<td>2 pm</td>
<td>Natural Language Processing</td>
</tr>
<tr>
<td>Wednesday</td>
<td>4 pm</td>
<td>Joint Vulcan/OHDSI meeting</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:30 am</td>
<td>Network Data Quality</td>
</tr>
<tr>
<td>Thursday</td>
<td>10:30 am</td>
<td>Evidence Network</td>
</tr>
<tr>
<td>Thursday</td>
<td>12 pm</td>
<td>Strategus HADES Subgroup</td>
</tr>
<tr>
<td>Thursday</td>
<td>6 pm</td>
<td>Eyecare and Vision Research</td>
</tr>
<tr>
<td>Friday</td>
<td>9 am</td>
<td>Phenotype Development &amp; Evaluation</td>
</tr>
<tr>
<td>Friday</td>
<td>10 am</td>
<td>GIS-Geographic Information System</td>
</tr>
<tr>
<td>Friday</td>
<td>10 pm</td>
<td>China Chapter</td>
</tr>
<tr>
<td>Monday</td>
<td>9 am</td>
<td>Vaccine Vocabulary</td>
</tr>
<tr>
<td>Monday</td>
<td>10 am</td>
<td>Healthcare Systems Interest Group</td>
</tr>
<tr>
<td>Monday</td>
<td>11 am</td>
<td>Data Bricks User Group</td>
</tr>
<tr>
<td>Monday</td>
<td>2 pm</td>
<td>Electronic Animal Health Records</td>
</tr>
</tbody>
</table>
Collaborator Showcase Deadline: June 21

The deadline to submit your brief report for the 2021 Global Symposium Collaborator Showcase is 8 pm ET on June 21.

ohdsi.org/2024-ohdsi-symposium-collaborator-showcase
Collaborator Showcase Deadline: June 21

The deadline to submit your brief report for the 2021 Global Symposium Collaborator Showcase is 8 pm ET on June 21.

In other words, you have less than:
• 10 days, 9 hours
• 249 hours
• 14,940 minutes

ohdsi.org/2024-ohdsi-symposium-collaborator-showcase
#OHDSI2024 Collaborator Showcase

Welcome to OHDIS At The 2024 Global Symposium

The Observational Health Data Science Informatics (OHDSI) program is a multi-stakeholder, interdisciplinary collaborative to bring out the value of health data through large-scale analytics. All our solutions are open-source.

OHDSI has established an international network of researchers and observational health databases with a central coordinating center housed at Columbia University.

2024 Collaborator Showcase Brief Report Submission Form- Posters, Oral Talks and Software Demonstrations

Thank you for your interest in the 2024 OHDSI Collaborator Showcase! We are delighted that you are interested in showcasing your work at this year's symposium showcases, which will take place at the Hyatt Regency Hotel in New Brunswick, New Jersey, USA, October 22-24, 2024.

The deadline to submit your brief report is Friday, June 21 at 8:00pm EST.

By filling out this form you may choose if you would like to present your work as a poster, an oral talk or a software demonstration (at least three). If a poster or software demo, you will present it during the Collaborator Showcase at the symposium. If an oral talk, you will present an estimated 7-minute talk at the symposium. Although we strive to accommodate your requested presentation format, it is not guaranteed. If the review committee has selected your work to be presented at this year's showcase, you will be notified via email by Tuesday, August 29, 2023. The presentation format will be confirmed at that time.

Topics should align with at least one of OHDSI's strategic areas of focus:

- Observational data standards and management
- Open-source analytics development
- Methodological research
- Clinical applications

SUBMISSION INSTRUCTIONS

A brief report submission template can be found by using the below link:
https://docs.google.com/document/d/1D2TdhX1xHmVNC4PgBoOyaHr3lT3aOaWk/edit?usp=sharing

The document can be downloaded as a Microsoft Word document by clicking on the link and selecting File-Download As... - Microsoft Word (.docx).

Each presenting author should upload their document as a PDF. The submission should meet the following guidelines:

ohdsi.org/OHDSI2024
Latest OHDSI Newsletter is Available

Publications


Community Updates

Where Have We Been?

- Four open-source development leaders provided background information and brief live demonstrations on tools that can aid our community in observational healthcare research earlier this month. Find those and others on our open-source tutorial page.
- George Hrispca led the latest CBER BEST Series Presentation on ‘Diagnosing Covariate Imbalance in Small-Cohort Studies’. You can watch that video and check out his slides now.
- Understudied women’s health conditions like endometriosis & polycystic ovary syndrome (PCOS) require greater research. OHDSI collaborators joined with faculty and trainees at Columbia University to advance women’s health, empower women & support shared decision-making with their providers.

Where Are We Now?

- Submissions for the 2024 OHDSI Global Symposium Collaborator Showcase are due June 21 at 8 pm ET. Information about the Collaborator Showcase is available here, and the submission link can be found here.
- The 2024 Europe Symposium was held June 1-3 in Rotterdam, Neth... and its theme was “Scaling up reliable evidence across Europe.” Videos and posters from the event will be posted on the OHDSI website and shared via OHDSI’s LinkedIn, Twitter, and Instagram feeds when available.
- The next edition of the CBER BEST Series Seminar will be held Wednesday, June 28, at 11 am ET. Jenna Wong, Assistant Professor in the Department of Population Medicine at Harvard Medical School and Harvard Pilgrim Health Care Institute, will lead a session on Applying Machine Learning in Distributed Networks to Support Activities for Post-Market Surveillance of Medical Products: Opportunities, Challenges, and Considerations. The meeting link and full schedule for the CBER BEST Seminar Series, including past presentations, is available here. The abstract from that talk is posted below.
Next CBER Best Seminar: June 26

**Topic:** Applying Machine Learning in Distributed Networks to Support Activities for Post-Market Surveillance of Medical Products: Opportunities, Challenges, and Considerations

**Presenter:** Jenna Wong, Assistant Professor in the Department of Population Medicine at Harvard Medical School and Harvard Pilgrim Health Care Institute

**Logistics:** 11 am – 12 pm EST, Zoom webinar

ohdsi.org/cber-best-seminar-series
The CBER BEST initiative Seminar Series is designed to share and discuss recent research of relevance to ongoing and future surveillance activities of CBER regulated products, namely biologics. The series focuses on safety and effectiveness of biologics including vaccines, blood components, blood-derived products, tissues, and advanced therapies. The seminars will provide information on characteristics of biologics, required infrastructure, study designs, and analytic methods utilized for pharmacoepidemiologic studies of biologics. They will also cover information regarding potential data sources, informatics challenges and requirements, utilization of real-world data and evidence, and risk-benefit analyses for biologic products. The length of each session may vary, and the presenters will be invited from outside FDA.

Below you will find details of upcoming CBER BEST seminars, including virtual links that will be open to anybody who wishes to attend. Speakers who give their consent to be recorded will also have their presentations included on this page; you can find these sessions below the list of upcoming speakers.

### Upcoming Seminars

- June 26, 2024 (11 am) - Jennie Wong, Harvard University
- July 17, 2024 (11 am) - Yonas Ghebremichael-Weideselasie, Warwick Medical School

### Previous Seminars

- May 22, 2023 - George Hricpasa, Columbia University
- April 17, 2023 - Yong Chen, University of Pennsylvania
- Jan. 17, 2023 - Anna Apostolou, Odyssey Data Services
- Dec. 6, 2022 - Jenny Sun, Pfizer

[ohdsi.org/cber-best-seminar-series]
OHDSI Evidence Network Study

Clair Blacketer

Lead, CDM Workgroup
Lead, Network Data Quality Workgroup
Why are we here?

...to collaboratively generate evidence that promotes better health decisions and better care.
Save our Sisyphus Challenge

**Amongst people with psoriasis, does exposure to Risankizumab increase the risk of cerebrovascular events while on treatment relative to other biologic therapies?**

*Lead: Zenas Yiu*

**Characterization: incidence of progressive multifocal leukoencephalopathy (PML) during Multiple Sclerosis (MS) biologic exposure**

*Lead: Thamir Alshammary*

**Intravitreal Anti-VEGF and Kidney Failure**

*Lead: Cindy Cai*

OHDSI SOS Challenge: Intravitreal Anti-VEGF and Kidney Failure

Cindy X.Cai, MD
The Jonathan and Natalia Katz Na'vah Professor Assistant Professor of Ophthalmology Retina Division The Wilmer Eye Institute Johns Hopkins University School of Medicine
3/1/2023

**Is fluoroquinolone use really associated with the development of aortic aneurysms**

*Leads: Jack Janetzi, Jung Ho Kim, Seonji Kim, Jung Ah Lee, Nicole Pratt, Seng Chan You,*

OHDSI Save Our Sisyphus Challenge 2023

Initial collaborators
Seng Chan You, Seonji Kim, Jung Ho Kim, Jung Ah Lee - Yonsei University
Jack Janetzi, Nicole Pratt - University of South Australia
Inaugural Data Sources of the OHDSI Evidence Network Pilot

<table>
<thead>
<tr>
<th>Ajou University</th>
<th>Janssen Research &amp; Development</th>
<th>Merative®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casa di Cura Igea</td>
<td>Marketscan® Multi-State Medicaid</td>
<td></td>
</tr>
<tr>
<td>Clinical Center of Montenegro</td>
<td>Janssen Research &amp; Development</td>
<td>Optum’s</td>
</tr>
<tr>
<td>Montenegro</td>
<td>Informatics® Data Mart - Date of Death</td>
<td></td>
</tr>
<tr>
<td>Columbia University Medical Center</td>
<td>Janssen Research &amp; Development</td>
<td>Optum’s</td>
</tr>
<tr>
<td>University Medical Center</td>
<td>Informatics® Data Mart - Socio-Economic Status</td>
<td></td>
</tr>
<tr>
<td>University College London</td>
<td>Janssen Research &amp; Development</td>
<td>Optum’s</td>
</tr>
<tr>
<td>· UK THIN</td>
<td>Longitudinal EHR Repository</td>
<td></td>
</tr>
<tr>
<td>IQVIA</td>
<td>Janssen Research &amp; Development</td>
<td>Premier Healthcare</td>
</tr>
<tr>
<td>· Australia EMR</td>
<td>Database</td>
<td></td>
</tr>
<tr>
<td>IQVIA</td>
<td>Johns Hopkins University</td>
<td>Johns Hopkins University</td>
</tr>
<tr>
<td>· Disease Analyzer France</td>
<td>National University of Singapore</td>
<td>National University of</td>
</tr>
<tr>
<td>IQVIA</td>
<td>Singapore</td>
<td></td>
</tr>
<tr>
<td>· Disease Analyzer Germany</td>
<td>Northeastern</td>
<td>IQVIA Pharmetrics Plus</td>
</tr>
<tr>
<td>IQVIA</td>
<td>Organization Name</td>
<td>Data Source Name</td>
</tr>
<tr>
<td>· Japan Claims</td>
<td>Taipei Medical University</td>
<td>Taipei Medical University</td>
</tr>
<tr>
<td>IQVIA</td>
<td>Tufts University Medical Center</td>
<td>Tufts University</td>
</tr>
<tr>
<td>· Japan HIS</td>
<td>Medical Center</td>
<td>Medical Center</td>
</tr>
<tr>
<td>IQVIA</td>
<td>University of Nebraska Medical Center</td>
<td>University of Nebraska Medical Center</td>
</tr>
<tr>
<td>· Longitudinal Patient Database (LPD) in Belgium</td>
<td>University of Southern California</td>
<td>Keck Medical Center</td>
</tr>
<tr>
<td>IQVIA</td>
<td>US Department of Veteran’s Affairs</td>
<td>University of Southern California</td>
</tr>
<tr>
<td>· Longitudinal Patient Database (LPD) in France</td>
<td>US Department of Veteran’s Affairs</td>
<td>Keck Medical Center</td>
</tr>
<tr>
<td>IQVIA</td>
<td>University of Nebraska Medical Center</td>
<td>University of Southern California</td>
</tr>
<tr>
<td>· Longitudinal Patient Database (LPD) in Italy</td>
<td>US Department of Veteran’s Affairs</td>
<td>Keck Medical Center</td>
</tr>
<tr>
<td>IQVIA</td>
<td>Yinzhou Bigdata Platform</td>
<td>Yinzhou Bigdata Platform</td>
</tr>
<tr>
<td>· Longitudinal Patient Database (LPD) in Spain</td>
<td>University of Nebraska Medical Center</td>
<td>University of Southern California</td>
</tr>
<tr>
<td>IQVIA</td>
<td>US Medical Research Data EMIS</td>
<td>University of Nebraska Medical Center</td>
</tr>
<tr>
<td>· OMOP US Hospital Data Master</td>
<td>US Medical Research Data THIN</td>
<td>University of Nebraska Medical Center</td>
</tr>
<tr>
<td>IQVIA</td>
<td>US Open Claims</td>
<td>University of Nebraska Medical Center</td>
</tr>
<tr>
<td>· Pharmetrics Plus</td>
<td>Janssen Research &amp; Development</td>
<td>JMDC</td>
</tr>
<tr>
<td>IQVIA</td>
<td>Janssen Research &amp; Development</td>
<td>Merative®</td>
</tr>
<tr>
<td>· UK Medical Research Data EMIS</td>
<td>Marketscan® Commercial Claims and Encounters</td>
<td></td>
</tr>
<tr>
<td>IQVIA</td>
<td>Janssen Research &amp; Development</td>
<td>Merative®</td>
</tr>
<tr>
<td>· UK Medical Research Data THIN</td>
<td>Marketscan® Medicare Supplemental</td>
<td></td>
</tr>
</tbody>
</table>
Learnings from the Pilot

• Keeping the aggregate statistics private is challenging and can be a barrier to open science

• Data owners would like to collaborate to better the quality of their data

• Data owners would like to understand how their data compares to other data sources in the network

• A protocol detailing participation would make it easier to get IRB/governance approval
OHDSI Meetup

Tuesday, June 18  6pm

Contact
Mui Van Zandt <mui@ohdsi.org>
or
Davera Gabriel <gabriel@ohdsi.org> for details
The Center for Advanced Healthcare Research Informatics (CAHRI) at Tufts Medicine welcomes:

Charisse Madlock-Brown, PhD
Associate Professor of Health Informatics, University of Iowa

‘Health Disparities Research and Electronic Health Records: Considerations and Methods’

June 27, 2024, 11am-12pm EST
Virtually via Zoom

Please contact Marty Alvarez at malvarez2@tuftsmedicalcenter.org for calendar invite or questions.
#OHDSI2024 Registration Is Open!

Registration is OPEN for the 2024 OHDSI Global Symposium, which will be held **Oct. 22-24** at the Hyatt Regency Hotel in New Brunswick, N.J., USA.

**Tuesday:** Tutorials  
**Wednesday:** Plenary/Showcase  
**Thursday:** Workgroup Activities

[ohdsi.org/OHDSI2024](https://www.ohdsi.org/OHDSI2024)
Openings: Postdoctoral Fellow, Johns Hopkins Univ.

PHARMA COEPIDEMIOLOGY POST-DOCTORAL TRAINING PROGRAM

Co-Directors: Caleb Alexander, MD, MS and Jodi Segal, MD, MPH

The Pharmacoepidemiology Training Program at the Johns Hopkins Bloomberg School of Public Health (BSPH) is currently seeking to support postdoctoral fellows. All supported trainees work with core faculty on existing or newly developed research projects on pharmacoepidemiology, so as to optimize the safe and effective use of medicines to treat heart, lung and blood diseases in the United States.

Deadline for applications: rolling
Opening: Junior Research Software Engineer, Tufts

INFORMATICS

Research Services
COVID-19 Information and Resources
Data and Safety Monitoring Board (DSMB) Program
Center for Clinical Trials (CCT)
Program Evaluation
Qualitative and Mixed Methods Service
Clinical Trial Design Labs
Dissemination and Implementation (D&I) Core
Science Communications

"Our Informatics team can help you collect and manage research data, develop databases, and identify study participants. We'll find the best data collection solution for your study. To get started, please submit a request below."

William Harvey, MD, MSc, FACR
Co-Director, Informatics and Tufts Medical Center CMIO

Overview

We participate in development of a robust institutional informatics infrastructure, enabling research teams to maintain their focus on scientific discovery and analyses rather than on data wrangling. Our infrastructure and support systems are dynamic, to keep pace with the changing and interdependent fields of health informatics, bioinformatics, statistics, and data science; expandable, to accommodate new data types and analytic methods; and scalable, to support efficient and methodologically rigorous multisite/institution research. These defining traits allow us to elucidate novel methods and operational principles, harmonize datasets, and create pipelines for data sharing and analytics.
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?
CDM SURVEY
SUB-WORK GROUP
MISSION STATEMENT

The CDM Survey Sub-Workgroup is a collaborative effort to unlock the potential of survey data within the Observational Health Data Sciences and Informatics (OHDSI) framework. We aim to develop a standardized approach for integrating survey data into the OMOP Common Data Model (CDM). This will be achieved through the development of standards, tools, and best practices to transform survey questions and responses into the CDM format. This, in turn, will empower researchers to conduct more robust analyses across diverse datasets, ultimately leading to richer insights and improved health outcomes.
ESTABLISH THE CDM SURVEY SUB-WORKGROUP

• **Key Results**

  • Regular meetings held bi-weekly on Mondays at 11:00 AM ET. Meeting recordings, agendas, minutes, and other documentation will be readily available.

  • Integration with the OHDSI Workgroup webpage to be established for increased visibility.

  • Presentation scheduled for the CDM Workgroup on May 7th to introduce the Sub-Group and its goals.
LANDSCAPE ASSESSMENT

• Activities
  • Invite representatives from cohorts with experience using the CDM for survey data to share their knowledge and challenges.
  • Conduct a community survey to gather information on experiences and needs related to survey data in the CDM.
  • Review the most used Common Data Elements (CDMs) as a foundation for developing standards, tools, and best practices.

• Key Result
  • A comprehensive report summarizing survey CDM mapping resources, challenges, and identified development priorities (vocabulary, standards, tools, best practices) to be shared with the OHDSI community.
DEVELOPMENT AND TESTING

• Activities
  • Develop concrete use cases and showcase the value proposition for integrating survey data into the CDM using the Breast Cancer Risk Prediction Project (BCRPP) and California Teachers Study (CTS) cohorts as examples.

• Key Results
  • Create two to four detailed use cases to guide the development and application of survey mapping tools.
  • Additionally, develop compelling value propositions to encourage the OHDSI community to contribute to the Subgroup or map their own survey data to the CDM.
• Actions
  • Reach out to participant cohort organizations, OHDSI and elsewhere for funding and individuals to continue the development of CDM survey mapping resources.

• Key Result
  • Acquire financial and personnel support to carry out the CDM Survey Sub-Workgroup mission.
THANK YOU

Brandy Mapes
Jim Lacey
Katie O'Brien
Magda Meir
Michael Cook
Montse Garcia-Closas
Queenie Ho
Tamara Litwin
Tom Ahearn
Nicole Gerlanc, PhD

Data Analyst Lead, Connect Study
Trans-Divisional Research Program
Division of Cancer Epidemiology and Genetics
National Cancer Institute

Email: nicole.gerlanc@nih.gov
June 11: European Symposium Review

Peter Rijnbeek
Professor of Medical Informatics and Chair of the Department of Medical Informatics, Erasmus MC

Maxim Moinat
Scientific Researcher, Erasmus MC

Cesar Barboza Gutierrez
Software Developer, Erasmus MC

Liesbet Peeters
Assistant Professor of Biomedical Data Sciences, UHasselt
The weekly OHDSI community call is held every Tuesday at 11 am ET. Everybody is invited! Links are sent out weekly and available at: ohdssi.org/community-calls