OHDSI Vocabularies: Landscape, Roadmap & Community Contributions

OHDSI Community Call
June 6, 2023 • 11 am ET
# Upcoming Community Calls

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>June 13</td>
<td>ATLAS: User Input For Community Development</td>
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<tr>
<td>June 20</td>
<td>OMOP Supporting Clinical Registries</td>
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<td>June 27</td>
<td>Recent Publication Presentations</td>
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<td>July 4</td>
<td>No Meeting</td>
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<td>July 11</td>
<td>European Symposium Review</td>
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<td>July 18</td>
<td>Vulcan: An HL7 FHIR Accelerator Transforming Clinical &amp; Translational Research</td>
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<td>July 25</td>
<td>Around The Asia-Pacific Region</td>
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The ATLAS team will share a brief session on the tool before leading a series of breakouts to discuss how ATLAS can be enhanced for community research in the future.
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
Congratulations to the team of Daniel Puttman, Rowdy de Groot, Nicolette de Keizer, Ronald Cornet, Paul W.G. Elbers, Dave Dongelmans, Ferishta Bakhshi-Raiez, on behalf of The Dutch ICU Data Sharing Against COVID-19 Collaborators on the publication of Assessing the FAIRness of databases on the EHDEN portal: A case study on two Dutch ICU databases in the International Journal of Medical Informatics.
OHDSI Shoutouts!

Any shoutouts from the community? Please share and help promote and celebrate OHDSI work!

Do you have anything you want to share? Please send to sachson@ohdsi.org so we can highlight during this call and on our social channels. Let’s work together to promote the collaborative work happening in OHDSI!
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
# Upcoming Workgroup Calls

<table>
<thead>
<tr>
<th>Date</th>
<th>Time (ET)</th>
<th>Meeting</th>
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<tbody>
<tr>
<td>Wednesday</td>
<td>2 am</td>
<td>Population Level Estimation</td>
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<td>Wednesday</td>
<td>8 am</td>
<td>Psychiatry</td>
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<td>Wednesday</td>
<td>12 pm</td>
<td>Health Equity</td>
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<td>Thursday</td>
<td>8 am</td>
<td>India Chapter</td>
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<td>Thursday</td>
<td>9:30 am</td>
<td>Data Network Quality</td>
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<td>Thursday</td>
<td>7 pm</td>
<td>Dentistry</td>
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<td>Friday</td>
<td>9 am</td>
<td>GIS – Geographic Information Systems Development</td>
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<td>Friday</td>
<td>9 am</td>
<td>Phenotype Development &amp; Evaluation</td>
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<td>Friday</td>
<td>1 pm</td>
<td>Clinical Trials</td>
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<td>Friday</td>
<td>10 pm</td>
<td>China Chapter</td>
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<td>Monday</td>
<td>9 am</td>
<td>Vaccine Vocabulary</td>
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<td>Monday</td>
<td>10 am</td>
<td>Africa Chapter</td>
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<td>Monday</td>
<td>11 am</td>
<td>Early-Stage Researchers</td>
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<td>Monday</td>
<td>4 pm</td>
<td>Eyecare &amp; Vision Research</td>
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<td>Monday</td>
<td>6 pm</td>
<td>OMOP &amp; FHIR</td>
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<tr>
<td>Tuesday</td>
<td>9 am</td>
<td>OMOP CDM Oncology Genomic Subgroup</td>
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Early-Stage Researchers: Monday, June 12

Please join the next Career Speaker Event led by the Early-Stage Researchers Workgroup, which will feature a conversation with Michael Kahn, Emeritus Professor in the Department of Biomedical Informatics at the University of Colorado Anschutz Medical Center.
Collaborator Showcase Deadline: June 16, 8 pm EST

10 DAYS Remaining!

All brief report submissions for the 2023 Global Symposium (Oct. 20-22, East Brunswick, NJ, USA) are due June 16.

We had a record-setting number of submissions in 2022 and are EXTENDING the collaborator showcase this year!

Submission Form

Showcase Details
Collaborator Spotlight: Mengling ‘Mornin’ Feng

Mengling ‘Mornin’ Feng is an Assistant Professor at the National University of Singapore and the Assistant Director of Research (Healthcare) at the Institute of Data Science. He has several research interests, including artificial intelligence solutions for healthcare challenges, causal inference for evidence-based medicine, and deep learning models for medical image analysis.

Mornin has been an OHDSI leader in helping to spread the community to the Asia-Pacific region. He is the chair of the Singapore Chapter and recently helped develop a collaboration with the Singapore Ministry of Health that has led the Ministry to use the OMOP CDM as the main platform for research.

In the latest edition of the Collaborator Spotlight, Mornin discusses his professional journey, how he connected with OHDSI, recent developments within the Singapore and APAC regions, and plenty more.

Can you discuss your professional journey, and what are your current research interests?

I started my research in data mining and machine learning during my PhD study. After that, I was fortunate to have an opportunity to work as a post-doc under the Harvard-MIT Health Science Technology program. During my post-doc, I was exposed to the cross-disciplinary research of developing machine learning models to analyze healthcare data. Initially, I was attracted by the unique challenges and also the promising potential of this cross-disciplinary field. As a result, when I returned to Singapore in 2016, I joined the National University of Singapore faculty and started my Healthcare AI lab. My lab now has about 20 PhD students and researchers. Our research mainly focuses on three domains: 1) computer vision technologies customized for medical images; 2) reinforcement learning for treatment recommendation; and 3) natural language processing methods for clinical text understanding.

Despite being a technical lab, we collaborate closely with local and international physicians. All our projects are motivated by real and pressing clinical needs, and they are also developed with real-world clinical data.

How did you first find OHDSI, and what inspired you to work with the community?

I began my journey with OHDSI in 2018. At that time, I was looking for a suitable solution for clinical data standardization and federated analysis for Singapore. I met Rhee Woong Park from Ajou University at a conference and learned that he was the pioneer in clinical data standardization in South Korea. We chatted for hours about how his team has successfully implemented the OMOP CDM as the standard data schema for research clinical data and how that may have accelerated the clinical research in Korea. Inspired by his success, I started to learn more about
OHDSI June Newsletter Is Available

The Journey Newsletter (June 2023)

Calling all collaborators! The deadline to submit your brief reports for the 2023 Global Symposium Collaborator Spotlight is Friday, June 16 at 8 pm EST. We have all the information in this newsletter, as well as updates on the European and Asia-Pacific Symposia, the SOS Challenge, 20 new publications from the community, and plenty more! #JoinTheJourney

Community Updates

Where Have We Been?
- The SOS Challenge tutorials have concluded, and more than 16 hours worth of educational content about learning (or participating in) an OHDSI network study are now available on the event homepage. Tutorials are ongoing, so please join our team to help answer these clinical questions.
- Anzum Guroergit shared the final version of the OHDSI Standardized Vocabulary Assessment. A goal of this project was to create a more transparent and reliable release cycle. Please join our June 8 community call for a full session on OHDSI vocabularies.
- Congratulations to OHDSI veterans Thanir Alabrahim and Cyril Vereecken on earning the distinction of being one of the 15 new ISPE fellows for 2023. The new Fellows will be officially inducted at the Annual Members' Meeting & Awards Ceremony scheduled for Saturday, August 26th in the Halifax Convention Center, Halifax, Nova Scotia, Canada.
- New jobs and PhD opportunities were shared during May. Please visit our This Week in OHDSI page to learn more about openings throughout our community.

Where Are We Now?
- The OHDSI 2023 Global Symposium collaborator showcase deadline is three weeks away. All brief reports must be submitted by 8 pm EST on Friday, June 16. More information on the collaborator showcase is available here, and you can use this link to submit your brief report.
- The OHDSI India chapter will be hosting its first webinar on “Rheumatic Disease: identifying patients with inflammatory arthritis” on June 14, 2023, from 3-4 pm IST. This webinar will share the latest progress within the RheumAware space in India and share how collaboration with the OHDSI India chapter can transform the rheumatology healthcare landscape in India. Nicole Prati, Vikram Patil and Parthiban Sular will be among the featured speakers. If you are interested, please visit the OHDSI India homepage to register.
- The PIONEER team is leading a study called June 13-16 in Stockholm, Sweden, with a focus on “Observational health data analysis on the adverse events of systemic treatment in patients with metastatic-hormone-sensitive prostate cancer” and is looking for participation from the OHDSI community, specifically members of the Oncology WG. This will be a hybrid event so online participation is welcome. If you are interested in learning more, please fill out this form. PIONEER is especially looking for collaborators with data on metastatic-hormone-sensitive prostate cancer already in the OMOP-CDM.

May Publications

OHDSI June Newsletter Is Available

Welcome to OHDSI!

The Observational Health Data Sciences and Informatics (or OHDSI, pronounced "Odyssey") 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.

Building A Health Together

The 2022 OHDSI Symposium took place with a theme of "Building A Healthier Together" and it featured presentations and contributions from collaborators around the world. Please visit the symposium homepage to see the videos, slides, and all other output from this three-day event.
Redefine Indian Healthcare with Real World data and Real World Evidence

**Details**

The Observational Health Data Sciences and Informatics (OHDSI) is an open source, open science, multi-stakeholder and interdisciplinary collaboration to bring out the value of health data through large-scale analytics. OHDSI India Chapter aims to work collaboratively with hospitals, medical universities, and healthcare professionals and researchers to promote the value of real-world data and evidence-based medicine by conducting observational studies using structured Indian patient data.

**Agenda and Topic:**
- Introduction by Lakshmi Kubendran
- Potential of Health Data in Research and Treatment by Dr. Vikram Patil
- The OHDSI Journey from Data to Reliable Evidence by Professor Nicole Pratt
- OHDSI India Chapter in RWD/RWE Journey by Mr. Parthiban Sulur
- Q&A

**Key Takeaways:**
- Become a part of the Global Research Community
- Benefits of Structured Healthcare data
- Data Standardization and Anonymization as per International Standards
- Access to 6B Patient Data to Perform Network Studies
- Improving public health using health data analytics

**Speakers (3)**

**Parthiban S**
VP - Innovation and Growth
Global Value Web
Parthi has over 30 years of professional experience, with more than a decade in the Pharma and Life Sciences industry. He possesses multi-disciplinary skills in almost all functional areas such as R&D, Delivery Management, Operations, Consulting, Business Development, Sales in diverse domains an...

**Dr. Vikram Patil**
startup mentor and Associate Professor in the Department of Radiology
JSS AHER, Mysuru
Dr. Vikram Patil is the Deputy Dean (Research) at JSS AHER, Mysuru. A Radiologist by profession, he is heading and coordinating the Digital Health, Health Data and Artificial Intelligence related activities at JSS AHER. His team has been involved in product validations and clinical trials for Innovative...

**Nicole Pratt**
Deputy Director
University of South Australia
Professor Nicole Pratt is the Deputy Director of the Quality Use of Medicines and Pharmacy Research Centre, University of South Australia. She is a member of the Drug Utilisation Subcommittee (DUSC) of the Australian Department of Health Pharmaceutical Benefits Advisory Committee (PBAC). She ha...

Wed. Jun 14, 5:30 AM - 6:30 AM EDT
Online event
6 Registered
Register
The PIONEER team is leading a studyathon June 13-16 in Stockholm, Sweden, with a focus on Observational health data analysis on the adverse events of systemic treatment in patients with metastatic hormone-sensitive prostate cancer and is looking for participation from the OHDSI community.
5 Fully Funded PhDs in Cancer Digital Health RWE

EHealth Hub For Cancer is funding 5 PhD students to work on cutting-edge cancer health data science research.

The program is being coordinated by Aedin Culhane in the School of Medicine, University of Limerick, Ireland, and the team is looking for students with a background in statistics, epidemiologists, bioinformatics, computational biology, software engineering or a related quantitative discipline.

Project topic: Digital Health in Cancer.

Project lead: Prof Aedin Culhane

Project location: School of Medicine, University of Limerick, Queen's University Belfast

Application deadline: June 15th, 2023

Start date: Successful applicants should be registered by September 2023.

Application Deadline: June 15, 2023
SOS Challenge Homepage

There will be weekly office hours, corresponding with the topics of the weekly lectures. Office hours are determined by the availability of each week’s tutorial lead. Where the next set of office hours are determined, the time and meeting link will be posted to the right.

SOS Challenge Studies

The SOS Challenge was introduced in January 2020, and community members submitted 35 different studies that could be run during the challenge. Four were selected from that group, two of which will be done live during the weekly tutorials, and two that will be done asynchronously. You can learn more about each of the four studies below, and each of the pertinent links (GitHub repo, protocol, Teams channel, etc.) will be listed in the proper section.

Intravitreal Anti-VEGF and Kidney Failure
Lead: Cindy Cai

Ex vivo fluorquinolones use really associated with the development of aortic aneurysms and aortic dissections?

Ex vivo fluorquinolones use really associated with the development of aortic aneurysms and aortic dissections?

Tutorial Recordings

- **Week 8: Evidence Synthesis**
  - Session 1: Yong Chen (slides), Martijn Schuemie (slides)
  - Session 2: Marc Suckard (slides)

- **Week 7: Study Diagnostics**
  - Session 1: Fan Bu, George Triposkiadis (slides)
  - Session 2: Mitchell Conover, Nicole Pratt (slides)

- **Week 6: Network Execution**
  - Session 1: James Raps, Jachi Breuer (slides)
  - Session 2: Anthony Sarna, Chungsung Kim

For more information, visit the SOS Challenge Homepage @ohdsi www.ohdsi.org/sos-challenge

#JoinTheJourney
European Symposium

July 1-3 • Rotterdam, Neth.

ohdsi-europe.org
APAC Symposium

2023 OHDSI Symposium Agenda

Day 1 (July 13) • Main Conference
8:00-9:00 • Registration & light breakfast
9:00-9:20 • Welcome Session

Session 1: OHDSI Global
9:20-9:50 • Keynote – Engineering an open science system that builds trust, confidence and addresses the needs of regulators, clinicians, and consumers
9:50-10:20 • Transforming health: What do regulators, clinicians, and consumers really want to know about healthcare and how can OHDSI help
10:20-10:40 • Break

Session 2: Research
10:40-11:00 • Presentation of study results
11:00-12:00 • Panel discussion – regulators, clinicians and consumers (response from stakeholders)
12:00-13:30 • Lunch & poster presentation

Session 3: OHDSI APAC
13:30-14:30 • OMOP/FHIR: Overcoming challenges through collaboration
14:30-15:30 • Panel discussion – APAC regional chapters
15:30-16:00 • Closing remarks
16:00-17:30 • Networking reception

Day 2 (July 14) • Tutorials
Tutorials will be led by Patrick Ryan, Martijn Schuemie, Marc Suchard, Mui Van Zandt, Nicole Pratt, and others on the topic of “How to run a network study”
9:00-10:20 • ETL
10:20-10:40 • Break
10:40-12:00 • Characterization
12:00-13:00 • Break
13:00-15:00 • Population-Level Estimation
15:00-15:20 • Break
15:20-17:20 • Patient-Level Prediction

Asia-Pacific Symposium
July 13-14 • Sydney, Australia

ohdsi.org/2023apacsymposium
Global Symposium

Oct. 20-22 • East Brunswick, NJ, USA

ohdsi.org/OHDSI2023
The OHDSI Community Needs You!

Will you consider

Supporting
The Journey?
Tenure Track Faculty

#03752

Description

The Department of Biomedical Informatics (DBI) of Columbia University seeks exceptional junior-level faculty members in the tenure track.

The positions are open to researchers interested in developing and applying informatics theory and achieving tangible benefits to healthcare and biology. Three particular foCs are (1) machine learning for healthcare and health-related data science, (2) health information technology-based interventions to improve health care and the health of individuals and populations, and (3) translational bioinformatics.

Job Title: REF9053H

Date posted: 2/20/2023

Employment Type: Full Time

Shift: Days

Location: Boston, MA

Job Openings – This Week In OHDSI page
Where Are We Going?

Any other announcements of upcoming work, events, deadlines, etc?
Three Stages of The Journey

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June 6 Community Call
OHDSI Standardized Vocabularies: Landscape, Roadmap & Community Contributions

Anna Ostropolets
Director, Head of the Innovation Lab
Odysseus Data Services, Inc.

Alexander Davydov
Technical Team Lead
Odysseus Data Services, Inc.

Christian Reich
Senior Researcher, Erasmus University Medical Center
Professor of Practice, Northeastern University
2023 OHDSI Symposium Schedule

European Symposium
July 1-3 • Rotterdam, Neth.
ohdsi-europe.org

Asia-Pacific Symposium
July 13-14 • Sydney, Australia
ohdsi.org/2023apacsymposium

Global Symposium
Oct. 20-22 • East Brunswick, NJ, USA
ohdsi.org/ohdsi2023