

# 2024 OHDSI GLOBAL SYMPOSIUM WORKGROUPS – OCTOBER 24

## **AFRICA: 8:00am-10:00am**

The working group session will be an overview of what the Chapter is doing and getting some new volunteers.

## **ASIA-PACIFIC: 8:00am-10:00am**

Come join us to help the OHDSI APAC community to define our objectives in 2025 and understand how we can achieve these goals.

## **ATLAS/WebAPI: 2:00pm-4:00pm**

The Atlas WG would like to review the Atlas roadmap for 2025 and solicit user feedback on both the roadmap and the application.

## **DENTISTRY: 2:00pm-4:00pm**

Please join us during the 2024 OHDSI Symposium. For our first ever in-person meeting, we welcome all members across the OHDSI community to help us address the challenges that dentistry faces to conducting observational research. During this two-hour session, we will focus on the following topics:

- The current state of observational research in dentistry
- An appraisal of key dental concepts and their vocabulary mappings
- Planning a protocol for a network study with dental use cases

## **EVIDENCE NETWORK DATA PARTNERS: 11:00am-1:00pm**

This session is for anyone in the OHDSI Community who has data and wants to participate in network studies. We will touch on ways to enrich your OMOP CDM instance, common challenges faced by data partners, and how to join the OHDSI Evidence Network.

## **EYECARE & VISION RESEARCH: 2:00pm-4:00pm**

The Eye Care and Vision Research Workgroup will hold a workgroup activity to discuss use cases (potential network studies) and ideas for collaboration with other workgroups. We have a wide range of institutions represented with available eye care data and are looking to collaborate on studies across OHDSI.

### **GEOGRAPHIC INFORMATION SYSTEM: 8:00am-1:00pm**

Please join the GIS Workgroup at the 2024 OHDSI Global Symposium (4-hour activity).

The description/learning objectives proposed by the GIS workgroup leads: Andrew Williams, Kyle Zollo-Venecek, and Robert Miller are as follows:

- What kinds of use cases does the OHDSI GIS infrastructure support (current and planned)?
- How do you go from identifying a public data source on place related to working with it in the OHDSI ecosystem?
- How do you deploy and maintain the needed software?

### **HADES HACKATHON: 8:00am-5:00pm**

HADES (Health-Analytics Data-to-Evidence Suite) is the set of R packages used in most OHDSI studies. At the hackathon, developers will work in small teams on the HADES codebase to fix problems and add improvements. Anyone interested in helping out with HADES, whether you're a beginner or an experienced developer, is encouraged to join us.

### **HEALTH EQUITY: 8:00am-1:00pm**

We're excited to present key highlights at the symposium:

1. Unveil Collaborations: Discover the latest updates from our projects, showcasing the synergy between the HE WG & other OHDSI WGs.
2. Delve into Network Study Results: Gain insights from our latest research and its implications for health equity.
3. Participate in a Mini Study-a-Thon: Contribute to real-time research efforts in an engaging, hands-on session.
4. Explore Digital Health Literacy: Discuss this emerging concern in health equity and strategies to address it.
5. Gain Insights from DEI Experts: Learn how to effectively communicate data to policymakers, from the perspectives of diversity, equity, and inclusion specialists.

### **INDUSTRY: 2:00pm-4:00pm**

The Industry WG would like to conduct a workshop to collaboratively work on go-to-market (GTM) material (OKR #2: Go-to-market) and (if time) the identification of use cases (OKR #3: collaboration).

### **LATIN AMERICA: 8:00am-1:00pm**

We will gather the LATAM community and encourage the participants to go to the symposium. We will use the space to connect and share experiences

### **MEDICAL DEVICES: 11:00am-1:00pm**

The Medical Device WG workshop will focus on OMOP or OMOP extension for medical device RWE research.

### **MEDICAL IMAGING: 2:00pm-4:00pm**

1. Reference implementation of the imaging extension
2. First network study leveraging imaging data

### **NATURAL LANGUAGE PROCESSING: 11:00am-1:00pm**

The primary goal of the NLP working group is to promote the use of textual information from Electronic Health Records (EHRs) for observational studies under the OHDSI umbrella. To facilitate this objective, the group are developing methods and software that can be implemented to utilize clinical text for studies by the OHDSI community.

### **OMOP + FHIR: 8:00am-1:00pm**

The OMOP + FHIR WG has been developing a specification to standardize transformations for common core EHR data. An important component of this specification is the concept-to-concept transformations between FHIR and OMOP, leveraging the FHIR ConceptMap Resource. This 4-hour workshop will provide examples and hands-on activities of FHIR ConceptMap resource source data transformed to OHDSI Standardized Vocabularies on the OMOP CDM developed in the FHIR to OMOP Implementation Guide. Also, we will elicit input from working group members for additional vocabulary use cases to consider that are not currently represented in the Implementation Guide.

### **ONCOLOGY: 8:00am-1:00pm**

The Oncology Workgroup focuses on providing a platform for standardization of cancer data enabling the conduct of observational cancer studies and identifying patient cohorts in a distributed research network. In this session, we will work together to make progress on one of the main challenges in oncology: identification of cancer and disease episodes and population of the Episode tables.

### **PATIENT-LEVEL PREDICTION: 8:00am-1:00pm**

Improve software accessibility and simplicity:

- Work together to write documentation on going from "I can program R" to "I have put together a network study package".
- 1+ new members run a PLP network study.
- Work together to write documentation and example converting an externally developed, non-OMOP model into PLP/OMOP format.
- 1+ member converts at existing model into the PLP/OMOP format.

### **PERINATAL & REPRODUCTIVE HEALTH: 8:00am-10:00am**

The Perinatal and Reproductive Health Group (PRHeG) is an interdisciplinary workgroup that aims to develop tools and standards for perinatal and reproductive health research, to foster collaborative studies within the OHDSI network and advance research in the field. The co-leaders of PRHeG will facilitate this workgroup, and we will plan specific activities during our monthly work group meetings. People with all levels of familiarity with OHDSI and with perinatal and reproductive health are encouraged to attend.

### **PHENOTYPE EVALUATION: 8:00am-1:00pm**

Phenotype development and evaluation will hold half a day working session where we will focus on the new methods and approaches aimed to improve phenotype development and/or evaluation.

### **PSYCHIATRY: 2:00pm-4:00pm**

In this 2-hour session we will discuss: Ongoing research in psychiatry area; Psychiatry specific data sources available: in OMOP CDM format and not; Unmet users' needs: vocabulary expansion and improvement, assistance in ongoing research.

### **SURGERY & PERIOPERATIVE MEDICINE: 2:00pm-4:00pm**

Surgery and perioperative medicine are well-suited to study with observational data; we can agree on a point of time where a surgery took place, and a time at risk that corresponds to the physiologic disturbance that surgeries create. The Surgery and Perioperative Medicine workgroup's mission is to collaboratively generate observational health evidence we need to better understand the role of surgical and perioperative interventions in medical care; and, especially in that perioperative period. We will be meeting to welcome new members who share that interest, providing an overview of the WG activities, and planning for the future.

### **VACCINE VOCABULARY: 2:00pm-4:00pm**

The Vaccine Vocabulary WG would like to conduct a workshop to introduce our WG progresses and use case studies, discuss potential issues and solutions, and seek collaborations and feedback from the community.

### **VOCABULARIES: 2:00pm-4:00pm**

In this Vocabulary Work Group we will discuss: 1) Unmet vocabulary needs, requests, and suggestions (targeted at a broader audience of OHDSI Vocabularies users, including other WGs, researchers and users of OMOP CDM). Please come if have any questions about the Vocabularies, would like to contribute content to Vocabularies or have any other unmet needs 2) Future directions of the workgroup and work plan for 2024/25 (targeted at Vocabularies contributors and collaborators). Please come if you have proposals (do not have to be well defined!) for future work, including methods, Vocabularies content, funding, etc.