Mother’s Day-Themed Breakout Conversations

OHDSI Community Call
May 10, 2022 • 11 am ET
### Upcoming OHDSI Community Calls

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
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<tbody>
<tr>
<td>May 17</td>
<td>OHDSI Debates</td>
</tr>
<tr>
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<tr>
<td>May 31</td>
<td>Workgroup OKRs</td>
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<tr>
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<tr>
<td>June 14</td>
<td>OHDSI Scholarship (Publications)</td>
</tr>
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May 17: OHDSI Debates

**Debate #1**

Phenotype Development: One-size-fits-all vs. Tailored-per-databases

Azza Shoaibi  
Associate Director  
Janssen Research & Development

Asieh Golozar  
VP, Global Head of Data Science  
Odysseus Data Services, Inc.

**Debate #2**

Study Diagnostics: Nice-to-have vs. Essential requirements

Dani Prieto-Alhambra  
Professor  
Univ. of Oxford and Erasmus Univ.

Martijn Schuemie  
Research Fellow, Epidemiology Analytics  
Janssen Research & Development
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
Congratulations to the team of Fatemeh Amrollahi, Supreeth P Shashikumar, Angela Meier, Lucila Ohno-Machado, Shamim Nemati, and Gabriel Wardi on the publication of Inclusion of social determinants of health improves sepsis readmission prediction models in JAMIA.
OHDSI Shoutouts!

Two Oxford shoutouts from Kristin Kostka.

Congratulations to Jenny Lane on being hooded over the weekend, and to Albert Prats-Uribe for passing his PhD defense.
OHDSI Shoutouts!

Learn more about 2021 Titan Award winner Asieh Golozar and her OHDSI journey in the latest collaborator spotlight.

Spotlight: Asieh Golozar

There is a lot of energy and good will in the community. It is open, inclusive, and extremely diverse. I get my energy from the community. The enthusiasm and drive to do the right thing and to improve human lives, and the possibility to work with such diverse group of individuals and learn from them excites me and pushes me to do more. I am extremely proud to be a part of this effort.

www.ohdso.org/spotlight-asieh-golozar
OHDSI Shoutouts!

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

Have a study published? Please send to sachson@ohdsi.org so we can share 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>Tuesday</td>
<td>12 pm</td>
<td>Common Data Model</td>
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<tr>
<td>Tuesday</td>
<td>3 pm</td>
<td>OMOP CDM Oncology Outreach/Research Subgroup</td>
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<tr>
<td>Wednesday</td>
<td>10 am</td>
<td>FHIR and OMOP Digital Quality Measurements Subgroup (ZOOM)</td>
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<tr>
<td>Wednesday</td>
<td>2 pm</td>
<td>Natural Language Processing</td>
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<tr>
<td>Thursday</td>
<td>12 pm</td>
<td>FHIR and OMOP Oncology Subgroup</td>
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<tr>
<td>Thursday</td>
<td>1 pm</td>
<td>OMOP CDM Oncology Vocabulary/Development Subgroup</td>
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<tr>
<td>Friday</td>
<td>9 am</td>
<td>GIS-Geographic Information System Development</td>
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<td>Friday</td>
<td>10 am</td>
<td>Phenotype Development and Evaluation</td>
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<td>Friday</td>
<td>10:30 am</td>
<td>Clinical Trials</td>
</tr>
<tr>
<td>Friday</td>
<td>10 pm</td>
<td>China Chapter</td>
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[www.ohdsi.org/upcoming-working-group-calls](http://www.ohdsi.org/upcoming-working-group-calls)
Get Access To Different Teams/WGs/Chapters

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 databases with a central coordinating center housed at Columbia University.

Read more about us, about our goals, and how you can help support the OHDSI community.

2022 OHDSI Symposium

The 2022 OHDSI Symposium will be held Oct. 14-16 at the Bethesda North Marriott Hotel & Conference Center, and registration has opened.

We will hold the main conference on Friday, Oct. 14, which will include our collaborator showcase. On Saturday, Oct. 15, we will hold a full-day tutorial called “An Introductory Journey From Data To Evidence.” There will be other community activities during the weekend as well. Please check out the symposium home page to learn more and register!

5. Select the workgroups you want to join (you can refer to the WIKI for work group objectives www.ohdsi.org/web/wiki/doku.php?id=projects:overview)

6. Select the chapter(s) you want to join

You can print a copy of your answer after you submit.

Submit

OHDSI Community Calls ▼ ▼ Past Events & Collaborations ▼ ▼ Learn About & Join OHDSI Workgroups ▼ ▼ This Week in OHDSI ▼ ▼ EHDEN Academy

OHDSI Annual Report: Our Journey ▼ ▼ Support OHDSI ▼ ▼ Newsletter ▼ ▼ Follow OHDSI on Social ▼ ▼
Get Access To Different Teams/WGs/Chapters

5. Select the workgroups you want to join (you can refer to the WIKI for work group objectives
   - ATLAS
   - Clinical Trials
   - Common Data Model
   - Data Quality Dashboard Development
   - Early-stage Researchers
   - Education Work Group
   - Eyecare and Vision Research
   - Genomics and Genomics
   - Geographic Information System (GIS)
   - Health Analytics Data-to-Evidence Suite
   - Healthcare Systems Interest Group (formally EHR)
   - Health Equity
   - Latin America
   - Medical Devices
   - Medical Imaging
   - Natural Language Processing
   - OHDSI APAC
   - OHDSI APAC Steering Committee
   - OHDSI Steering Committee
   - Oncology
   - Open-source Community

6. Select the chapter(s) you want to join
   - Africa
   - Australia
   - China
   - Europe
   - Japan
   - Korea
   - Singapore
   - Taiwan

You can print a copy of your answer after you submit.

Submit
## OHDSI2022 Workgroup Activities

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<tr>
<th>Saturday, Oct 15</th>
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<th>FHIR-OMOP: Terminologies Subgroup, Part 1</th>
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[www.ohdsi.org/ohdsi2022-workgroup-activities](http://www.ohdsi.org/ohdsi2022-workgroup-activities)
An Introductory Journey From Data To Evidence
OHDSI2022 Tutorial • Saturday, Oct. 15 • Bethesda, Md.

The OHDSI Journey: Where Are We Going?
Patrick Ryan

OMOP Common Data Model and Vocabulary
Clair Blacketer

ETL – A Source Database Into OMOP CDM
Melanie Philofsky

Creating Cohort Definitions
Asieh Golozar

Phenotype Evaluations
Gowtham Rao

Characterization
Kristin Kostka

Estimation
Martijn Schuemie

Prediction
Jenna Reps

The OHDSI Journey: Where Do We Go From Here?
George Hripcsak
2022 OHDSI Symposium

Oct. 14-16 • Bethesda North Marriott Hotel & Conference Center

We are thrilled to announce that registration for the 2022 OHDSI Symposium, which will be held Oct. 14-16 at the Bethesda North Marriott Hotel & Conference Center, is now open!

It is so exciting to bring our community back together this fall. Our collaborator showcase will return; please click the link to see how you can take part in our poster presentations, software demos and lightning talks. The full agenda for our conference is still being developed, so please continue to check the OHDSI website (www.ohdsi.org) and our social platforms for updates as we plan for the 2022 Symposium.

The main conference will be held Friday, Oct. 14. A full-day tutorial will be held Saturday, Oct. 15, while other community activities will be held both Oct. 15 and Oct. 16.

Symposium Registration Details

Friday, Oct. 14 – Main Conference

Registration Fee: $500*

*This is an open and inclusive event; if the registration fee represents a burden to you, please contact symposium@ohdsi.org.

Should you need to make changes or cancel your registration ticket, please follow the instructions you will receive on your Eventbrite confirmation upon registration completion. Please note that tickets can be refunded up to 7 days prior to the event. Eventbrite fees are not refundable.

www.ohdsi.org/ohdsi2022symposium
OHDSI: Applying the Decentralized Generalized Linear Mixed Effects Model (dGEM) for Hospital Profiling of COVID-19 Mortality Data across OHDSI Network

Lead: Jessie Tong¹, Jenna Reps ², Yong Chen¹

¹ Department of Biostatistics, Epidemiology and Informatics (DBEI), the Perelman School of Medicine, University of Pennsylvania
² Janssen R&D

May 2022
Aim:
1. A distributed network analyses of hospital profiling on the COVID-19 mortality rate within the OHDSI network

Method:
1. Decentralized Generalized Linear Mixed Effects Model (dGEM)
   - Privacy-preserving (patient-level and hospital-level), communication-efficient, heterogeneity-aware, hospital-level calibration

Study cohort details:
1. Two time periods for the hospital profiling:
   - i) during the Alpha wave (in the USA approximately Nov 2020-Feb 2021)
   - ii) during the Delta wave (in the USA approximately Jul 2021-Oct 2021)
2. Outcome of interest:
   - COVID-19 Mortality
3. Measure for hospital profiling:
   - Standardized COVID-19 Mortality Rate
4. Variables:
   - Age, Charlson comorbidity, gender, history of cancer/chronic obstructive pulmonary disease/heart disease/hypertension/hyperlipidemia/kidney disease/obesity/diabetes, number of visits recorded in visit table in 2019

Target journal and submission timeline:
1. Nature Methods, July 2022
No patient-level data
Only aggregated data

True ID will never be shared

Input:
- Working ID
- Aggregated Data (AD)

dGEM Algorithm

Output:
- Hospital performance measures
- Strategies for improving hospital ranking

Coordinating Center

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## APAC Community Calls

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<tbody>
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<td>Cohort diagnostic tool</td>
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<tr>
<td>May 19</td>
<td>Mini-tutorials #1</td>
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<td>June 2</td>
<td>Mini-tutorials #2</td>
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<td>Chapter Mid-year Updates</td>
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<td>June 30</td>
<td>EU Symposium Recap</td>
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<td>July 14</td>
<td>APAC Study Quarterly Updates Part I</td>
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<tr>
<td>July 28</td>
<td>APAC Study Quarterly Updates Part II</td>
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[ohdsi.org/apac](https://www.ohdsi.org/apac)
2022 APAC Symposium

The 3rd OHDSI APAC Symposium
Taipei Taiwan (onsite and virtual)
Nov 12-13, 2022

ohdsi.org/apac
Opening at Oxford

Dani Prieto-Alhambra’s team at Oxford is recruiting a Database Programmer to join the team. This position will contribute to the standardization and curation of large real world data from the UK and collaborate with the OHDSI, EHDEN and OPTIMA Oncology teams.

Deadline: May 23, 2022
Opening at Erasmus

Peter Rijnbeek and his team at Erasmus Medical Center is recruiting a R programmer for Health Data Science.

This position will be responsible for designing, developing, documenting, and maintaining R code that will be executed against health data that is standardized to the OMOP Common Data Model.
As mentioned by **Sally Baxter** and **Kerry Goetz** on in their recent Eye Care & Vision Research WG update, the National Eye Institute is looking for a DATA Scholar to develop a strategy and lead community consensus building to improve ocular health care through data standardization.
Opening at Emory University

Daniel Smith shared a recent opening at Emory University in Atlanta for an Informatics Analyst; this position will provide OMOP support for Winship Data and Winship Discovery projects.
Cynthia Sung posted a paid summer internship at the Bill & Melinda Gates Medical Research Institute on the OHDSI forums.

This candidate would transform Tuberculosis clinical trial data into the OMOP CDM.
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?
May 10: Mother’s Day Breakouts

Data Standards Discussion
Recommended best practices for modeling pregnancy episodes and mother-child linkage
Jill Hardin and Mui Van Zandt

Community Building Discussion
How can OHDSI support collaborator mothers to advance their personal and professional development?
Rupa Makadia and Sarah Seager

Clinical Research Discussion
Clinical Research Opportunities: Brainstorm on maternal health
Alison Callahan, Ru-fong Cheng and Noémie Elhadad