OHDSI Coordinating Center

OHDSI Community Call
April 12, 2022 • 11 am ET
## Upcoming OHDSI Community Calls

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>April 19</td>
<td>Workgroup Updates</td>
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<tr>
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<tr>
<td>May 3</td>
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<td>May 10</td>
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April 19 Community Call: Workgroup Updates

Eye Care and Vision Research

Sally Baxter
Assistant Professor, Ophthalmology • UCSD

FHIR & OMOP

Christian Reich
Vice President, RWE Systems • IQVIA

Oncology

Asieh Golozar
VP, Global Head of Data Science • Odysseus Data Services

Steering Group

Jody-Ann McLeggon
Program Manager • Columbia University
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
OHDSI Shoutouts!

Congratulations to the team of Berta Raventós, Andrea Pistillo, Carlen Reyes, Sergio Fernández-Bertolín, Maria Aragón, Anna Berenguera, Constanza Jacques-Aviñó, Laura Medina-Perucha, Edward Burn, and Talita Duarte-Salles on the publication of “Impact of the COVID-19 pandemic on diagnoses of common mental health disorders in adults in Catalonia, Spain: a population-based cohort study” in BMJ Open.
Congratulations to the team of Tae-Hoon Kim, SiHyeong Noh, Youe Ree Kim, ChungSub Lee, Ji Eon Kim, Chang-Won Jeong, and Kwon-Ha Yoon on the publication of “Development and validation of a management system and dataset quality assessment tool for the Radiology Common Data Model (R_CDM): A case study in liver disease” in the International Journal of Medical Informatics.
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 Vocabulary Subgroup</td>
</tr>
<tr>
<td>Tuesday</td>
<td>3 pm</td>
<td>OMOP CDM Outreach/Research Subgroup</td>
</tr>
<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>Wednesday</td>
<td>12 pm</td>
<td>FHIR and OMOP Terminologies Subgroup (ZOOM)</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 Subgroup</td>
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<tr>
<td>Thursday</td>
<td>6 pm</td>
<td>FHIR and OMOP Terminologies Subgroup (ZOOM)</td>
</tr>
<tr>
<td>Friday</td>
<td>9 am</td>
<td>GIS – Geographic Information System Development</td>
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<td>Friday</td>
<td>10:30 am</td>
<td>Clinical Trials</td>
</tr>
<tr>
<td>Friday</td>
<td>11:30 am</td>
<td>Steering Group</td>
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[www.ohdsi.org/upcoming-working-group-calls](www.ohdsi.org/upcoming-working-group-calls)
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
- FHED and OMOP
- Geographic Information System (GIS)
- HADES Health Analytics Data-to-Evidence Suite
- Healthcare Systems Interest Group (formerly 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
- Phenotype Development and Evaluation
- Population-Level Effect Estimation / Patient-Level Prediction

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

- Africa
- Australia
- China
- Europe
- Japan
- Korea
- Singapore
- Taiwan

7. Select the studies you want to join

- HREX Health Equity Research Assessment
- PIONEER for Prostate Cancer (study-a-thon ended)
- SCYLLA (SARS-Cov-2 Large-scale Longitudinal Analysis)
Get Access To Different Teams/WGs/Chapters

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7. Select the studies you want to join
- HERA-Health Equity Research Assessment
- PIONEER for Prostate Cancer (study-a-than-ended)
- SCYLLA (SARS-CoV-2 Large-scale, Longitudinal Analysis)
The Open-Source Community is hosting the first Dev Con as a way of accepting and mentoring new contributors to our environment. We are planning multiple workshops, talks and a panel discussion to both welcome and engage both current and future developers within OHDSI.

Don’t miss this opportunity! Use the link at the bottom to register!

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>8 am</td>
<td>Open-Source Workshops</td>
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<tr>
<td>10 am</td>
<td>State of the OHDSI Community (Paul Nagy, Adam Black)</td>
</tr>
<tr>
<td>10:20 am</td>
<td>Keynote – Grand Vision for OHDSI Software Ecosystem (Martijn Schuemie)</td>
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<tr>
<td>11 am</td>
<td>Industry Panel Discussion (How Do/Should We Connect It All Together?)</td>
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Are You Interested In …

- participating with an OHDSI project team?
- seeing ‘under the hood’ of the OHDSI engine?
- being mentored by professional developers?

Use This Link To Register Today!

bit.ly/OHDSIDev22
## DevCon Agenda

<table>
<thead>
<tr>
<th>Time (ET)</th>
<th>Track 1</th>
<th>Track 2</th>
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<tbody>
<tr>
<td>8 am</td>
<td>ATLAS (<em>Anthony Sena</em>)</td>
<td>HADES Introduction (<em>Adam Black</em>)</td>
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<tr>
<td>8:30 am</td>
<td>WebAPI (<em>Anthony Sena</em>)</td>
<td>CohortDiagnostics (<em>James Gilbert</em>)</td>
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<tr>
<td>9 am</td>
<td>White Rabbit/Rabbit In A Hat (<em>Maxim Moinat</em>)</td>
<td>Patient-Level Prediction (<em>Jenna Reps</em>)</td>
</tr>
<tr>
<td>9:30 am</td>
<td>Data Quality Dashboard (<em>Clair Blacketer</em>)</td>
<td>Cyclops (<em>Marc Suchard</em>)</td>
</tr>
<tr>
<td>10 am</td>
<td>State of OHDSI Development (<em>Adam Black and Paul Nagy</em>)</td>
<td>Keynote (<em>Martijn Schuemie</em>)</td>
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<td>11 am</td>
<td>Panel Discussion (Putting The Pieces Together)</td>
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<td></td>
<td><em>Lee Evans</em> - Broadsea (OHDSI)</td>
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<td><em>Cory Stevenson</em> - OHDSI on Azure (Microsoft)</td>
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<td><em>James Wiggins</em> – OHDSI on AWS (Amazon)</td>
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<td><em>Vivian Neilley</em> - OHDSI on Google Cloud</td>
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2022 OHDSI Symposium

Registration is OPEN for #OHDSI2022!

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

@OHDSI www.ohdsi.org #JoinTheJourney
An Introductory Journey From Data To Evidence
OHDSI2022 Tutorial • Saturday, Oct. 15 • Bethesda, Md.

The OHDSI Journey: Where Are We Going?
Patrick Ryan

Creating Cohort Definitions
Asieh Golozar

OMOP Common Data Model and Vocabulary
Clair Blacketer

Phenotype Evaluations
Gowtham Rao

ETL – A Source Database Into OMOP CDM
Melanie Philofsky

Characterization
Kristin Kostka

Estimation
Martijn Schuemie

Prediction
Jenna Reps

The OHDSI Journey: Where Do We Go From Here?
George Hripcsak
Next CBER Best Seminar

Topic

CBER BEST Seminar Series - Addressing Selection and Confounding Bias in Test-Negative Study Designs for Flu and COVID-19 Monitoring

Description: The test-negative design (TND) has become a standard approach to evaluate vaccine effectiveness against the risk of acquiring infectious diseases such as Influenza, Rotavirus, Dengue fever and more recently COVID-19 in real world settings. Despite the TND's potential to reduce unobserved differences in healthcare seeking behavior (HSB) between vaccinated and unvaccinated subjects, substantial variability in unobserved HSB may remain among study participants. As latent HSB is likely also a strong predictor of selection into the TND sample, confounding bias of the vaccine's causal effect by latent HSB may be induced by collider stratification bias resulting from the TND.

Speakers

Dr. Eric Tchetgen Tchetgen
Luddy Family President's Distinguished Professor @ Wharton School of the University of Pennsylvania

Eric J. Tchetgen Tchetgen is the Luddy Family President’s Distinguished Professor at the Wharton School of the University of Pennsylvania. Professor Tchetgen Tchetgen comes to the University of Pennsylvania from Harvard University where he has served since 2008 as Professor of Biostatistics and Epidemiologic Methods with joint appointments in the departments of Biostatistics and Epidemiology at the T.H. Chan School of Public Health. He researches infectious diseases, including HIV/AIDS, and the role of genetic and social factors in the patterns, causes, and effects of public health. Professor Tchetgen Tchetgen has received grants from the National Institutes of Health and the Centers for Disease Control. He completed his Ph.D. in Biostatistics at Harvard University in 2006 under the supervision of Professor James M. Robins. He received his B.S. in Electrical Engineering from Yale University in 1999.

Wed., April 27, 11 am ET
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.

2021 OHDSI

The 2021 OHDSI Global Symposium featured plenary presentations on OHDSI’s impact on the COVID-19 Pandemic, as well as on the Journey to Reliable Evidence. The main days included the State of the Community Presentation, the Collaborator Showcase, and a memorable Closing Ceremony that focused on OHDSI’s work through the perspective of a patient.

There were also a pair of full-day activities, including the first OHDSI Reproducibility Challenge workshop, and a tutorial on building...
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?
Denys Kaduk