Name That Result

OHDSI Community Call
April 5, 2022 • 11 am ET
## Upcoming OHDSI Community Calls

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>April 12</td>
<td>OHDSI Coordinating Center</td>
</tr>
<tr>
<td>April 19</td>
<td>Workgroup Updates</td>
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<tr>
<td>April 26</td>
<td>Open-Source Community</td>
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<tr>
<td>May 3</td>
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<tr>
<td>May 10</td>
<td>Mother’s Day-Themed Breakouts</td>
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<tr>
<td>May 17</td>
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# April OHDSI Community Calls

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</table>
Three Stages of The Journey

Where Have We Been?
Where Are We Now?
Where Are We Going?
Congratulations to the team of Chongliang Luo, Md Nazmul Islam, Natalie Sheils, John Buresh, Jenna Reps, Martijn Schuemie, Patrick Ryan, Mackenzie Edmondson, Rui Duan, Jiayi Tong, Arielle Marks-Anglin, Jiang Bian, Zhaoyi Chen, Talita Duarte-Salles, Sergio Fernández-Bertolín, Thomas Falconer, Chungsoo Kim, Rae Woong Park, Stephen Pfohl, Nigam Shah, Andrew Williams, Hua Xu, Yujia Zhou, Ebbing Lautenbach, Jalpa Doshi, Rachel Werner, David Asch, and Yong Chen on the publication of “DLMM as a lossless one-shot algorithm for collaborative multi-site distributed linear mixed models” in Nature Communications.
OHDSI Shoutouts!

Congratulations to the team of Seok Kim, Ji-In Bang, Dachung Boo, Borham Kim, In Young Choi, SooJeong Ko, Ie Ryung Yoo, Kwangsoo Kim, Junmo Kim, YoungHwan Joo, Hyun Gee Ryoo, Jin Chul Paeng, Jung Mi Park, Woncheol Jang, Byungwon Kim, Yangha Chung, Dongyoon Yang, Sooyoung Yoo, and Ho-Young Lee on the publication of Second primary malignancy risk in thyroid cancer and matched patients with and without radioiodine therapy analysis from the observational health data sciences and informatics in the European Journal of Nuclear Medicine and Molecular Imaging.
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>Wednesday</td>
<td>9 am</td>
<td>ATLAS</td>
</tr>
<tr>
<td>Wednesday</td>
<td>11 am</td>
<td>Open-Source Community</td>
</tr>
<tr>
<td>Wednesday</td>
<td>11 am</td>
<td>GIS-Geographic Information System (General)</td>
</tr>
<tr>
<td>Wednesday</td>
<td>12 pm</td>
<td>Health Equity</td>
</tr>
<tr>
<td>Wednesday</td>
<td>12 pm</td>
<td>FHIR and OMOP Terminologies Subgroup (ZOOM)</td>
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<tr>
<td>Wednesday</td>
<td>4 pm</td>
<td>FHIR and OMOP Data Model Harmonization Subgroup (ZOOM)</td>
</tr>
<tr>
<td>Wednesday</td>
<td>7 pm</td>
<td>Medical Imaging</td>
</tr>
<tr>
<td>Thursday</td>
<td>12 pm</td>
<td>FHIR and OMOP Oncology Subgroup</td>
</tr>
<tr>
<td>Thursday</td>
<td>1 pm</td>
<td>OMOP CDM Oncology Vocabulary Subgroup</td>
</tr>
<tr>
<td>Friday</td>
<td>10 am</td>
<td>Phenotype Development and Evaluation</td>
</tr>
<tr>
<td>Friday</td>
<td>10 pm</td>
<td>China Chapter</td>
</tr>
<tr>
<td>Monday</td>
<td>8 am</td>
<td>Early-Stage Researchers</td>
</tr>
<tr>
<td>Monday</td>
<td>10 am</td>
<td>Healthcare Systems Interest Group</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9 am</td>
<td>OMOP CDM Oncology Genomic Subgroup</td>
</tr>
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</table>

[www.ohdsi.org/upcoming-working-group-calls](http://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
- FHIRE 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
- HEMAG-Health Equity Research Assessment
- PIONEER for Prostate Cancer (study-a-then-ended)
- SCYLLA (SARS-Cov-2 Large-scale, Longitudinal Analyses)
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
- FHIR and OMOP
- Geographic Information System (GIS)
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6. Select the chapter(s) you want to join

- Africa
- Australia
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- Korea
- Singapore
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7. Select the studies you want to join

- HEER=Health Equity Research Assessment
- PIONEER for Prostate Cancer (study-a-than-ended)
- SCYLLA (SARS-CoV-2 Large-scale Longitudinal Analytics)
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.
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

@OHDSI
www.ohdsi.org
#JoinTheJourney
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.

symposium@ohdsi.org
The March 29 OHDSI Community Call focused on reproducibility, and three leaders in the community shared presentations on this topic.

- The 2021 OHDSI Reproducibility Challenge *(Anna Ostropolets)*
- Creating Reproducible Studies *(Martijn Schuemie)*
- The OHDSI Reproducibility Service *(Asieh Golozar)*

The videos and slides from each presentation are available below.

[ohdsi.org/reproducibility-29mar2022]
Latest OHDSI Newsletter Is Out

The Journey Newsletter (April 2022)

Leaders from our Common Data Model Workgroup led the community on a two-session CDM Workshop this past month, while our Open-Source Community has put together a DevCon for April. We discussed standardized vocabularies and reproducibility, and opened registration for OHDSI2022! All that and more is available in the latest edition of The Journey Newsletter. #JoinTheJourney

Clair Blacketer and members of the Common Data Model Workgroup led the OHDSI Community on a two-session OMOP CDM Workshop during the March 2022 Community Calls. There were eight specific topics covered during the workshop, with some Q&A included midway through. The two sessions are now available in a single video tutorial for anybody looking to learn more about how OMOP can enhance their research.

Thank you to Clair, Frank DeFalco, Kristin Kostka, Maxim Moinat, Melanie Philosof and Anthony Molinaro for leading this workshop! The full video is below; the tutorial homepage includes slides from both sessions, timestamps for the different sections, and the CDM chapter introduction from the Book of OHDSI.

Community Updates

Where Have We Been?

- CDM lead Clair Blacketer and members of the workgroup led a two-session CDM workshop during a pair of community calls. These sessions are now available in a single video presentation and are included on our workshop homepage. More on this workshop is available later in this newsletter.
- The first study to come from our Asia-Pacific (APAC) workgroup was published in JAMA Network Open. Led by Yuan Lai, the study analysis of treatment pattern of anti-dementia medications in newly diagnosed Alzheimer’s dementia using OMOP CDM includes collaborators from all six regional chapters of our APAC community.

Where Are We Now?

- Adam Black and Paul Nagy, on behalf of the Open-Source Community, are organizing the first OHDSI DevCon, set for Friday, April 22 (9 am - 12 pm ET). Please check out the link for an agenda and registration information.
- Michael Kalbfleisch, Patrick Ryan and Christian Reich provided an in-depth look at the OHDSI vocabulary, from how it is developed, to how it can be utilized, and where it should grow from here.
- Anna Ostoopolets, Martijn Schuurman and Asieh Golzar discussed the concept of reproducibility in the OHDSI community. This session focused on the 2021 Reproducibility Challenge, Creating Reproducible Studies, and the OHDSI Reproducibility Service.

Where Are We Going?

- Registration for the 2022 OHDSI Symposium, which will be held Oct. 14-16 at the Bethesda North Marriott Hotel & Conference Center, is now open. The main conference will held Friday, Oct. 14, while a full-day tutorial for community newcomers entitled “An Introductory Journey From Data To Evidence” will be held Saturday, Oct. 15. Workgroup activities will be held throughout Oct. 15-16.

mailchi.mp/ohdsi/april2022newsletter
Welcome to OHDSI!

The Observational Health Data Sciences and Informatics (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
OHDSI Dev Con
April 22, 2022 (8 am – 12 pm)

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>
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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>
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<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 (Anthony Sena)</td>
<td>HADES Introduction (Adam Black)</td>
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<tr>
<td>8:30 am</td>
<td>WebAPI (Anthony Sena)</td>
<td>CohortDiagnostics (James Gilbert)</td>
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<tr>
<td>9 am</td>
<td>White Rabbit/Rabbit In A Hat (Maxim Moinat)</td>
<td>Patient-Level Prediction (Jenna Reps)</td>
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<tr>
<td>9:30 am</td>
<td>Data Quality Dashboard (Clair Blacketer)</td>
<td>Cyclops (Marc Suchard)</td>
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<tr>
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<td>State of OHDSI Development (Adam Black and Paul Nagy)</td>
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<td>Panel Discussion (Putting The Pieces Together)</td>
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<td>Lee Evans - Broadsea (OHDSI)</td>
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<td>Cory Stevenson - OHDSI on Azure (Microsoft)</td>
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<td>Paul Sexson - OHDSI In A Box (AWS)</td>
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<td>Vivian Neilley - OHDSI on Google Cloud</td>
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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
Where Are We Going?

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

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Where Are We Now?
Where Are We Going?