10-Minute Tutorials

OHDSI Community Call
June 8, 2021 • 11 am ET
<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
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<td>June 8</td>
<td>10-Minute Tutorials: PHOEBE, Cohort Diagnostics, ATC Hierarchy</td>
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Upcoming OHDSI Community Calls

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June 15: Community Breakouts
Theme - Professional Development

Clinical Epidemiology

Open-Source Software Development

Information/Data Management

Statistical Methods
Three Stages of The Journey

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

Congratulations to Gyu Lee Kim, Yu Hyeon Yi, Hye Rim Hwang, Jinmi Kim, Youngmin Park, Yun Jin Kim, Jeong Gyu Lee, Young Jin Tak, Seung Hun Lee, Sang Yeoup Lee, Youn Hye Cho, Eun Ju Park, and Youngin Lee for this recent study “The Risk of Osteoporosis and Osteoporotic Fracture Following the Use of Irritable Bowel Syndrome Medical Treatment: An Analysis Using the OMOP CDM Database” that was posted last week in the Journal of Clinical Medicine.
Thank you to Byungkon Kang and Ty Stanford for their presentations last week on the APAC Community Calls. These videos have been posted to our APAC page (see link below).

Deep-learning-based automated terminology mapping in OMOP-CDM

Byungkon Kang (SUNY Korea), Jeong Tae, Ha Young Kim (Anhui Univ), Sung Jin (POSTECH), Younmi Lee (Ewha), Hye Jin Kam (Hanyang U.)

Large-scale Evidence Generation and Evaluation across a Network of Databases (LEGEND)

Associate Professor Nicole Pott
Quality Use of Medicines and Pharmacy Research Centre
University of South Australia

www.ohdsi.org

www.ohdsi.org/apac
June Newsletter Is Available

Where We've Been

- The OHDSI network study Use of repurposed and adjuvant drugs in hospital patients with covid-19: multinational network cohort study was published May 11 by The BMJ. It found substantial heterogeneity over the types of drugs used for COVID-19 treatment purposes globally.
- Another OHDSI network study, 30-day outcomes of Children and Adolescents with COVID-19: An International Experience, was published this month by Pediatrics. Among others, this study characterized the treatments, symptoms and outcomes of interest of more than 242,000 children/adolescents diagnosed and nearly 10,000 hospitalized with COVID-19 across five countries.
- The fourth open data partner call within the EHEDN Consortium ended with 56 applications from across 20 European nations looking to join the expanding EHEDN data network.

Where We Are

- Ongoing work in the PIONEER Prostate Cancer Study—A-Thon — a collaboration that included both the OHDSI and EHDEN — was shared during the May 18 community call. This study investigated the natural history and outcomes of prostate cancer patients managed with watchful waiting, a conservative management option for prostate cancer patients with a life expectancy of less than 10 years at time of diagnosis.
- Leaders from the six regional chapters of the Asia-Pacific region provided exciting updates on OHDSI’s growth through Australia, China, Japan, Korea, Singapore and Taiwan.

Where We're Going

- The deadline for submissions for the 2021 Collaborator Showcase is June 18. More information is available here, and there was a brief discussion of the submission process during a recent community call.
- The next edition of the OBER BEST Initiative Seminar Series will be Wednesday, June 16, at 11 am. Bruce Fireman (Kaiser Permanente) will present a talk on “Methods for Monitoring the Safety and Effectiveness of COVID-19 vaccines.” The seminar series is open to everybody. More information and a registration link is available here.
- There are five exciting community calls planned for June; these calls are held Tuesdays at 11 am ET, and they are open to everybody. The meeting topics are posted later in this newsletter.

Recent Publications

Matthew E. Spohnitz, Georgi Hipps, Patrick B. Ryan, Karthik Natarajan, Characterizing Post-Acute Sequelae of SARS-CoV-2 Infection across Claims and Electronic Health Record Databases. medRxiv 2021.03.19.21253756; doi: https://doi.org/10.1101/2021.03.19.21253756


Insufficient Data, Misleading Recommendations Led To Significant Early Heterogeneity In Global COVID-19 Patient Management

While there was extensive use of drug repurposing throughout the first 10 months of the COVID-19 pandemic, there was substantial heterogeneity over the types of drugs used for treatment purposes globally. Some drugs, including hydroxychloroquine, saw sharp declines in use, while adjunctive therapies grew into a more relied upon method for patient management.

In a number of cases, scientific discovery overturned misconceptions proclaimed via press conferences and social media.

The OHDSI network study “Use of repurposed and adjuvant drugs in hospital patients with covid-19: multinational network cohort study,” published May 11

Community Call Presentations

Max 4: Workgroup Updates

COVID-19 Geographic Information System (Robert Miller)
PSIS - Pharmacovigilance Evidence Investigation (Erica Vorderman)
UK Biobank/Trust (Mauro Monai)
Electronic Health Records (Melanie Prihodko)
The OHDSI community published two important studies on both the early heterogeneity of COVID-19 patient treatment and 30-day outcomes of children and adolescents diagnosed with COVID-19, and it continues to collaborate in the ongoing PIONEER Prostate Cancer Study. Those updates, as well as information on the upcoming (June 18) deadline for 2021 Collaborator Showcase submissions, are all part of the latest edition of The Journey Newsletter! #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.

2020 OHDSI Symposium

Our 2020 OHDSI Global Symposium brought together a global research community for 18 hours of open science, international collaboration and community fun. The day included research presentations from community members, panels that brought together leaders
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>
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<tr>
<th>Date</th>
<th>Time (ET)</th>
<th>Meeting</th>
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<tbody>
<tr>
<td>Wednesday</td>
<td>10 am</td>
<td>OMOP CDM Oncology – Development Subgroup</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>4 pm GMT +9</td>
<td>Early Stage Researchers (East Coast/West Coast/APAC Region)</td>
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<tr>
<td>Thursday</td>
<td>8 am</td>
<td>Psychiatry</td>
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<td>Thursday</td>
<td>1 pm</td>
<td>OMOP CDM Oncology – CDM/Vocabulary Subgroup</td>
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<tr>
<td>Friday</td>
<td>10 am</td>
<td>Psychiatry</td>
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<tr>
<td>Friday</td>
<td>10 am</td>
<td>Clinical Trials</td>
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<tr>
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<td>Electronic Health Records</td>
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<tr>
<td>Friday</td>
<td>1 pm</td>
<td>Phenotype Development and Evaluation</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9 am</td>
<td>OMOP CDM Oncology – Genomic Subgroup</td>
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[www.ohdsi.org/upcoming-working-group-calls](www.ohdsi.org/upcoming-working-group-calls)
Welcome to OHDSI!

The Observational Health Data Sciences and Informatics (OHDSI) program is a multi-stakeholder, interdisciplinary, collaborative effort 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 different teams/WGs/Chapters.

4. 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
   - Electronic Health Record (EHR) ETL
   - Geographic Information System (GIS)
   - HADES Health Analytics Data-to-Evidence Suite
   - Latin America
   - Medical Devices
   - Natural Language Processing
   - OHDSI APAC
   - OHDSI APAC Steering Committee
   - OHDSI Steering Committee
   - Oncology
   - Patient-Generated Health Data
   - Pharmacovigilance Evidence Investigation

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

6. Select the studies you want to join
   - HEBA-Health Equity Research Assessment
   - PIONEER for Prostate Cancer (study-a-thon ended)
   - SCYLLA (SARS-CoV-2 Large-scale Longitudinal Analyses)
Get Access To Different Teams/WGs/Chapters

1. OHDSI is using MSTeams to further encourage active collaboration within the community. Within the OHDSI organization, there are separate teams for work groups, chapters, and studies, as well as OHDSI community activities (such as the OHDSI Symposium). All teams are open to all collaboration. Below please indicate which team you would like to join and the OHDSI coordinating center team will grant access.

2. Required

   1. First and Last Name *

   Enter your answer

4. 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)

   - ATLAS
   - Clinical Trials
   - Common Data Model
   - Data Quality Dashboard Development
   - Early-stage Researchers
   - Education Work Group
   - Electronic Health Record (EHR) ETL
   - Geographic Information System (GIS)
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   - Medical Devices
   - Natural Language Processing
   - OHDSI APAC
   - OHDSI APAC Steering Committee
   - OHDSI Steering Committee
   - Oncology
   - Patient-Generated Health Data
   - Pharmacovigilance Evidence Investigation
   - Phenotype Development and Evaluation
   - Population-Level Effect Estimation / Patient-Level Prediction
   - Psychology
   - Registry (formerly UK Biobank)
   - Surgery and Perioperative Medicine
   - Vaccine Vocabulary
   - Women of OHDSI

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

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

6. Select the studies you want to join

   - HEA-Health Equity Research Assessment
   - PROSPECT for Prostate Cancer (study-a-thon ended)
   - SCYLLA (SARS-Cov-2 Large-scale Longitudinal Analyses)
CBER Seminar Series

The next edition of the CBER BEST Initiative Seminar Series will be **Wednesday, June 16 (11 am)**. **Bruce Fireman** (Kaiser Permanente) will present a talk on “Methods for Monitoring the Safety and Effectiveness of COVID-19 vaccines.” The seminar series is open to everybody. Get more information and the registration link by using the link below.

https://northeastern.zoom.us/webinar/register/WN_94CygX5JTfSyhDSsOYnxqg
Associate Director, Epidemiology
Location Titusville, New Jersey
Category R&D
Req ID: 2105936215W

Job Description

Janssen Research & Development, LLC, a member of the Johnson & Johnson Family of Companies, is recruiting for the role of Associate Director in Epidemiology. This role may be on site (Titusville, NJ or Raritan, NJ) or remote.

At the Janssen Pharmaceutical Companies of Johnson & Johnson, we are working to create a world without disease. Transforming lives by finding new and better ways to prevent, intercept, treat and cure disease inspires us. We bring together the best minds and pursue the most promising science. We are Janssen. We collaborate with the world for the health of everyone in it. Learn more at www.janssen.com and follow us @JanssenGlobal. Janssen Pharmaceuticals, LLC is part of the Janssen Pharmaceutical Companies.

This position will be focused on supporting the ‘Real-World Assessment and Research of Drug Performance’ (REWARD) initiative, an ambitious collaborative effort to develop a systematic process for observational database analyses to enable exploration and identification of differentiated benefits of medical products to support R&D’s clinical development strategy. You will also perform pharmacoepidemiology activities to support the neuroscience therapeutic area, including characterizing disease natural history and treatment patterns, safety evaluations, benefit-risk assessments, and patient-level prediction models.
Collaborator Showcase Abstracts Due June 18

We are **10 DAYS AWAY** from the **June 18 deadline** for submissions for the 2021 Collaborator Showcase.

We are accepting submissions for posters, oral presentations and software demos.

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**2021 OHDSI Collaborator Showcase**

Thank you for your interest in the 2021 OHDSI Collaborators Showcase! We are delighted that you are considering joining our research community and presenting your work at this year’s virtual symposium showcase.

OHDSI’s mission is to improve health by empowering a community to collaboratively generate evidence that promotes better health decisions and better care. We envision a world in which observational research produces a comprehensive understanding of health and disease. To achieve this goal, OHDSI has formed a multi-stakeholder, interdisciplinary collaboration that aims to bring out the value of health data through large-scale analytics and open-source software tools. OHDSI has established a global community of observational health researchers and a research network covering over 600 million patients.

OHDSI’s achievements to date would not have been possible if not for the hard work of our growing community members. Our annual Collaborator Showcase provides our community the opportunity to share their tremendous work. Last year, the OHDSI community produced more than 100 posters/talks/demos for our Collaborator Showcase.

Once again, we are inviting collaborators to participate in the Collaborator Showcase for this year’s 2021 Global OHDSI Symposium. Collaborators will have the opportunity to submit their work for poster presentations, oral talks, and software demonstrations.

**Topics of interest include:**

- Observational data standards and management
- Methodological research
- Open-source analytics development
- Clinical research from OHDSI’s analytic use cases:
  - Clinical characterization
  - Population-level estimation
  - Patient-level prediction

**Showcase Structure:**

The showcase will be structured to highlight posters, oral talks, and software demonstrations.

We are currently working out all the details for the 2021 Global Symposium. Please continue to join our community calls (Tuesdays, 11 am ET), check the forums, MD Teams and the OHDSI website, as well as emails from OHDSI Events Manager, to learn more details about an informative and productive showcase this year!
Collaborator Showcase Abstracts Due June 18

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Collaborator Showcase Abstracts Due June 18

SUBMISSION INSTRUCTIONS:

A submission template can be found here: Submission Template

The document can be downloaded as a Microsoft Word document by clicking on the link and selecting File > Download As... > Microsoft Word (.docx).

Each presenting author should upload their document as a PDF. The submission should meet the following guidelines:

- Maximum 1000 words of text (exclusive of references/citations)
- Maximum 10 MB
- Clearly state the names of all co-authors and list them in the order that will appear on the presentation (please do not include titles or degree/certificate credentials)
- Have the following components: Title, Background, Methods, Results, Conclusions.
- References/citations are recommended (maximum 15; suggested style is Vancouver).
- Unpublished in the peer-review literature at the time of submission; preprints are acceptable
- [Optional] Up to 3 additional Figures, tables, and equations can be added to support description of the methods or results

By submitting your work, the presenting author agrees to present at the OHDSI Symposium if their work is selected. Your document should be saved as a PDF using the following naming convention, where the "firstname" and "lastname" correspond to the name of the presenting author, and "title" should include keywords that summarize the title: firstname-lastname_title_2021symposium

Go to top

IMPORTANT DATES:

All submissions are due no later than 8pm (EST) on Friday, June 18, 2021.

All submissions will be peer-reviewed by the OHDSI Scientific Review Committee between June 18-July 26.

If you have been selected to present your work for the 2021 Symposium Collaborators Showcase, you will be notified via email by Monday, August 2, 2021.

Should you need additional assistance, please email us at symposium@ohdsi.org.

SUBMISSION UPLOAD:

To submit your research for the 2021 Collaborators Showcase, please click the link below and fill out the form (in order to access the submission form, you need to have a Google Account. If you need to set up a Google Account, please click here: Create a Google Account).

Submission Link
Where Are We Going?

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

Where Have We Been?
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APAC 10-Minute Tutorials

White Rabbit
Xialin Wang

USAGI
Seng Chan You

Data Quality Dashboard
Selva Muthu Kumaran Sathappan
Today’s Topic: 10-Minute Tutorials

**PHOEBE**
Anna Ostropolets
PhD Student, Columbia University Dept. of Biomedical Informatics

**Cohort Diagnostics**
Gowtham Rao
Senior Director, Johnson & Johnson

**ATC Hierarchy**
Christian Reich
VP Real World Analytics Solutions, IQVIA