EHDEN Portal/EHDEN Academy

OHDSI Community Call
Aug. 30, 2022 • 11 am ET
# Upcoming OHDSI Community Calls

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Sept. 6</td>
<td>OHDSI Studies</td>
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<tr>
<td>Sept. 13</td>
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Sept. 6: OHDSI Publications

A database of pediatric drug effects to evaluate ontogenic mechanisms from child growth and development
Presenter: Nick Giangreco

Development and external validation of prediction models for adverse health outcomes in rheumatoid arthritis: A multinational real-world cohort analysis
Presenter: Cynthia Yang

Empirical assessment of alternative methods for identifying seasonality in observational healthcare data
Presenter: Anthony Molinaro

Phenotype Algorithms for the Identification and Characterization of Vaccine-Induced Thrombotic Thrombocytopenia in Real World Data: A Multinational Network Cohort Study
Presenter: Azza Shoaibi
Three Stages of The Journey

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

Congratulations to the team of Rashmie Abeysinghe, Adam Black, Denys Kaduk, Yupeng Li, Christian Reich, Alexander Davydov, Lixia Yao, and Licong Cui on the publication of Towards quality improvement of vaccine concept mappings in the OMOP vocabulary with a semi-automated method in the Journal of Biomedical Informatics.
OHDSI Shoutouts!

Congratulations to Dani-Prieto Alhambra on receiving a Special ISPE Award for Contributions to Public Health Associated with the COVID-19 Pandemic during ICPE2022.
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>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>10 am</td>
<td>FHIR and OMOP Digital Quality Measurements Subgroup (ZOOM)</td>
</tr>
<tr>
<td>Thursday</td>
<td>12 pm</td>
<td>Patient-Level Prediction/Population-Level Estimation</td>
</tr>
<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>Thursday</td>
<td>6 pm</td>
<td>FHIR and OMOP Terminologies Subgroup (ZOOM)</td>
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<tr>
<td>Friday</td>
<td>9 am</td>
<td>GIS – Geographic Information System Development</td>
</tr>
<tr>
<td>Friday</td>
<td>10:30 am</td>
<td>Clinical Trials</td>
</tr>
<tr>
<td>Tuesday</td>
<td>10 am</td>
<td>Common Data Model</td>
</tr>
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[www.ohdsi.org/upcoming-working-group-calls](http://www.ohdsi.org/upcoming-working-group-calls)
#OHDSI2022 Agenda

### OHDSI 2022 Symposium
Oct. 14-16, 2022
Bethesda North Marriott Hotel & Conference Center

## Main Conference Agenda • Oct. 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am - 8:30 am</td>
<td>Registration and Lite Breakfast</td>
</tr>
<tr>
<td>9:00 am - 10:00 am</td>
<td>Ballroom A/E Foyer</td>
</tr>
<tr>
<td>10:00 am - 10:45 am</td>
<td>State of the Community</td>
</tr>
<tr>
<td>10:45 am - 12:15 pm</td>
<td>Ballroom DE (continued)</td>
</tr>
<tr>
<td>12:15 pm - 1:00 pm</td>
<td>Buffet Lunch</td>
</tr>
<tr>
<td>1:00 pm - 2:00 pm</td>
<td>Ballroom DE</td>
</tr>
<tr>
<td>2:00 pm - 3:00 pm</td>
<td>Ballroom ABC</td>
</tr>
<tr>
<td>3:00 pm - 4:00 pm</td>
<td>Ballroom DE</td>
</tr>
</tbody>
</table>

### Workgroup and Chapter connections
workgroup/chapter leads will be distributed across the venue and available for networking to share activities and progress and connect for future collaborations.

### OHDSI Speed Dating

### Plenary: Objective Diagnostics: A pathway to provably reliable evidence
Martín Schuurman, Johnson & Johnson

### Presentations: OHDSI support for regulatory authorities
moderator: Jody-Ann Mclellan, Columbia University
- "US FDA/CBER: Performance of vaccine safety surveillance methods" Fan Bu, UCLA
- "Korea Ministry of Food and Drug Safety: Replication of clinical trials in electronic health records" Sung Chan Yoo, Yonsei University
- "European Medicines Agency: DARWIN-EU" Peter Rhyneck, Erasmus MC

### Collaborator Showcase, Round 1
- Poster presentations with poster walks
- Software demonstrations
- Exhibitors

### Collaborator Showcase Lightning Talks
moderator: Kristin Kostka, Rosin Institute at Northeastern University
- "Disentanglement of IOPC codes using free-text and active learning to improve concept mappings" Tom Silen, Erasmus MC
- "OHDSI Phenotype Prehistory: lessons learned" Azza Shaob, Johnson & Johnson

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<tr>
<td>4:00 pm - 5:00 pm</td>
<td>Ballroom ABC</td>
</tr>
<tr>
<td>5:00 pm - 6:00 pm</td>
<td>Ballroom DE</td>
</tr>
<tr>
<td>6:00 pm - 7:00 pm</td>
<td>Ballroom ABC</td>
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### Collaborator Showcase, Round 2
- Poster presentations with poster walks
- Software demonstrations
- Exhibitors

### Closing Talk: Building A Healthier World Together
Patric Ryan, Johnson & Johnson, Columbia University
- 2022 Titan Awards
- Group photo at conclusion

### Networking Reception

Register Here:
[ohdsi.org/ohdsi2022symposium](http://ohdsi.org/ohdsi2022symposium)

#JoinTheJourney

bit.ly/OHDSI2022-Agenda
Registration is OPEN for #OHDSI2022!

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

www.ohdsi.org/ohdsi2022symposium
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 collaborative 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: $900*
* 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 until 7 days prior to the event. Eventbrite fees are not refundable.

Register For The Main Conference - Friday, Oct. 14

Saturday, Oct. 15 – Full-Day Tutorial: An Introductory Journey From Data To Evidence

Registration Fee: $300*
* 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 until 7 days prior to the event. Eventbrite fees are not refundable.

Register For The Full-Day Tutorial - Saturday, Oct. 15

What Will Be Taught At This Tutorial?

Saturday, Oct. 15 and Sunday, Oct. 16 — Community Activities

A highlight of the OHDSI Symposium will be a full weekend of workshop activities and meetings within the Bethesda North Marriott Hotel & Conference Center. You are now able to register for any workshop session as long as there is no overlap between any two sessions — registration is free, but please do so early as this will be first come, first served due to room capacity.

See The Schedule & Agenda For Workshop Activities — Weekend of Oct. 15-16

Register For Workshop Activities — Weekend of Oct. 15-16

Hotel Information and Sleeping Room Block

Hotel: Bethesda North Marriott Hotel & Conference Center
Address: 9791 Marketing Road, Rockville, Maryland, 20852
Hotel Main Number: (301) 352-8220
Reservations Toll Free: (877) 212-7372
Reservations Local Phone: (301) 822-8220

This year, OHDSI is holding a sleeping room block for the nights of Oct. 13 and 14 with a special room rate of $179 plus taxes. Please note that all sleeping rooms are on a first-come, first-served basis. To help us in the planning process, we ask that you do not cancel your hotel room ordered through the OHDSI Room Block. If you must cancel, please let us know prior to Thursday, Sept. 1, so that we can offer the room to others who may need one. Once the room block is full, or if specific nights are sold out, you may make additional room reservations on the hotel’s website or by contacting the hotel phone number above. Please note that OHDSI is not holding any sleeping rooms on Saturday, Oct. 15. Therefore, please call the hotel phone number or make this reservation online should you plan to stay Saturday night.

ohdsi.org/ohdsi2022symposium
Data Survey – Please Respond By Sept. 9

bit.ly/OHDSI-Data-Survey
Titan Awards Nominations Close Friday!

Nominations for the 2022 Titan Awards are now OPEN! Please use the form below to nominate an individual or institution for a top contribution to the OHDSI community this past year!

2022 Nomination Form

To recognize OHDSI collaborators (or collaborating institutions) for their contributions towards OHDSI’s mission, the OHDSI Titan Awards were introduced at the 2018 Symposium and have been handed out at the U.S./Global Symposium each year since. Annually, community members are invited to nominate individuals or institutions they feel have made significant contributions towards advancing OHDSI’s mission, vision and values. Once nominations are submitted, the OHDSI Titan Award Committee will select the award winners. Award winners will be announced before the networking reception at the annual symposium. The award categories, as well as all previous recipients, can be found below.

Titan Award for Data Standards – to recognize extraordinary contributions by an individual, organization, or team in development or evaluation in community data standards, including OMOP common data model and standardized vocabularies

- 2021 – Maxim Moiini, The Hyve-Erasmus University Medical Center
- 2020 – Clina Blockater, Janssen Research and Development
- 2019 – Oncology Workgroup (Michael Gurley, Northwestern Univ.; Rimma Belenkaya, Memorial Sloan Kettering Cancer Center; Robert Miller, Tufts CTIS)
- 2018 – Vocabulary Team (Christian Reich, IQVIA; Anna Ostropolski, Columbia Univ.; Dmitry Dymshyts, Odysseyus Data Services)

ohdsi.org/titan-awards • DEADLINE is Sept. 2!
Characterization of Health by OHDSI Asia-Pacific chapter to identify Temporal Effect of the Pandemic for Cardiovascular Diseases (CHAPTER-CVDs)

**PRESENTED** Seng Chan You

**ABSTRACT**

As critical collected data emerges, a national network study could provide a real picture how healthcare systems respond against the pandemic, across the region, and countries.

The OHDSI Asia Pacific’s regional chapter has launched the Characterization of Health by OHDSI Asia Pacific’s chapter to identify Temporal Effect of the Pandemic (CHAPTER-CVDs) study to describe the temporal change in incidence of diseases and healthcare patterns before and after the emergence of SARS-CoV-2 (COVID-19) and its associated effects on healthcare outcomes and results for cardiovascular disease (CVDs).

**PURPOSE**

The temporal change of CVDs including hypertension, acute myocardial infarction (AMI), and heart failure (HF)

From Australian CPR and Japan claims, were analyzed using an observational Medical Information Mart for Health Care (MIMIC) cardio data model (KMIMIC).

The digital literature definition and incidence rate were calculated by leveraging national surveillance platforms and initiatives by the OHDSI.

The interrupted time series analysis was used to describe the trend of incidence of these hypertension, AMI, and HF before and after the COVID-19 pandemic occurrence.

**RESULTS**

Comparison of the period with and without COVID-19 pandemic exposure.

The landscape shows the disease pattern lead to COVID-19 occurrence, and the filled values are estimated based on the Poisson regression model with adjusting time vector (see Figure).

There is a sharp decline in the incidence of hypertension, AMI, and HF, in the Australia and Asia regions before COVID-19 occurrence in the Asian countries. There is rebounded at incidence of cardiovascular disease in 2021 in the Australian PMI.

**CONCLUSION**

In our preliminary result, we found the potential change in the incidence of CVDs after COVID-19 pandemic occurrence. Further investigation of OHDSI study group shows that the risk of CVDs would be increased in specific populations that had an associated infection across the OHDSI teams.

The temporal difference of CVDs will provide insights on the impact of COVID-19 and resilience in each healthcare system during the pandemic. We are recruiting the data partner to join this study.

https://github.com/ohdsi-studies/CHAPTER

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**Potential temporal change in the diagnosis of Cardiovascular Diseases after COVID-19 pandemic occurrence in the Asia Pacific.**

The temporal difference of CVDs will provide insights on the impact of COVID-19 and resilience in each healthcare system during the pandemic. We are recruiting the data partner to join this study.

https://github.com/ohdsi-studies/CHAPTER

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**Characterization of Health by OHDSI Asia-Pacific chapter to identify Temporal Effect of the Pandemic for Cardiovascular Diseases (CHAPTER-CVDs)**

**Lead:** Seng Chan You

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**#OHDSISocialShowcase This Week**

**Characterization of Health by OHDSI Asia-Pacific chapter to identify Temporal Effect of the Pandemic for Cardiovascular Diseases (CHAPTER-CVDs)**

**Lead:** Seng Chan You

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**#JoinTheJourney**

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**MONDAY**
#OHDSISocialShowcase This Week

### The Finnish OMOP data network (FinOMOP)

**Lead:** Javier Gracia-Tabuenca

70% of the Finnish population is in an OMOP-CDM.

How can this help you:
- We created a workflow to:
  - Gather national codes in to one common repository.
  - Format them into OpenEpi files for CSCR mapping.
  - Version control vocabulary changes.
  - Dashboard to visualise the progress of the mappings and coverage of the databases.

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**TUESDAY**

The Finnish OMOP data network (FinOMOP)

**Lead:** Javier Gracia-Tabuenca
Impact of the COVID-19 pandemic on eating disorders among adolescents and young adults in Catalonia: a population-based cohort study

Lead: Berta Raventós

The COVID-19 pandemic has profoundly impacted the number of eating disorders diagnoses in primary care, with adolescent girls seen to be most affected.
Challenges and possible solutions for the maintenance of the OMOP CDM Standardized Vocabularies

Lead: Eduard Korchmar

THURSDAY

#OHDSISocialShowcase This Week

LETS USE FULL ADVANTAGE OF THE OMOP OPEN-SOURCE NATURE:

A release schedule for core vocabularies updates in OMOP CDM

- Precise time table for core updates (SNOMED, LOINC, ATC)
- Estimates for user requested vocabularies

Community engagement

- Implementation of mapping crowdsourcing
- Benefit both for products and researchers

Actualisation of conventions and documentation

- Keeping documentation current with latest vocabulary content should be a priority

FULL INFORMATION IS AVAILABLE UNDER THE LINK

Scan QR to download the full paper

OUR SOLUTIONS:

- Open vocabulary team
- Introduce a toolset to volunteer crowd-source mappings
- Create and maintain a release schedule for core vocabularies updates in OMOP CDM
- Convention update and documentation review

OMOP CDM STANDARDIZED VOCABULARIES

COMMUNITY-BASED VOCABULARY DEVELOPMENT

OMOP CDM STANDARDSIZED VOCABULARIES

OMOP CDM STANDARDSIZED VOCABULARIES
An EHDEN Data Partner Experience: Transforming the Hospital i2b2 data repository into OMOP common data model

Lead: M Teresa Garcia Morales
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?
Aug. 30 Community Call: EHDEN Academy/EHDEN Portal

EHDEN Academy
Nigel Hughes
Scientific Director, Observational Health Data Analytics/Epidemiology • Janssen Research and Development

EHDEN Portal
Julia Kurps
Team Lead, Real World Data • The Hyve