



Workgroup Updates

GIS • PEI • Registry • EHR

OHDSI Community Call
May 4, 2021 • 11 am ET



May/June OHDSI Community Calls

Date	Topic
May 4	Workgroup Updates: GIS, PEI, Registry (formerly UK Biobank), EHR
May 11	OHDSI Debates
May 18	Focus Topic: Prostate Cancer Study-A-Thon
May 25	OHDSI Fun
June 1	OHDSI OKR Mid-Year Review
June 8	10-Minute Tutorials
June 15	Professional Development Breakouts
June 22	Community Presentations: New Developments within OHDSI
June 29	Focus Topic: EUMEAUS (Evaluating Use of Methods for Adverse Event Under Surveillance)



May/June OHDSI Community Calls

Date	Topic
May 3	Workgroup Updates: GIS, PEI, Registry (formerly UK Biobank), EHR
May 10	OHDSI Debates
May 17	Focus Topic: Prostate Cancer Study-A-Thon
May 24	OHDSI Fun
June 1	OHDSI OKR Mid-Year Review
June 8	10-Minute Tutorials
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June 22	Community Presentations: New Developments within OHDSI
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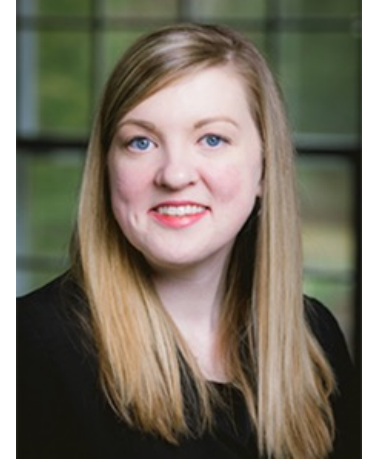


May 11: OHDSI Debates



Evidence is better when generated across a distributed network vs. produced from a centralized database.

Andrew Williams // Kristin Kostka



Vocabulary is best to be a living entity updating all the time vs. vocabulary needs a defined release that we all align to for network research.

Peter Rijnbeek // Christian Reich





Three Stages of The Journey

Where Have We Been?

Where Are We Now?

Where Are We Going?





OHDSI Shoutouts!

Congratulations to the team of **Matthew Spotnitz, George Hripcsak, Patrick Ryan and Karthik Natarajan** on this preprint posted to *MedRxiv*: **Characterizing Post-Acute Sequelae of SARS-CoV-2 Infection across Claims and Electronic Health Record Databases.** Community feedback is welcomed.

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Characterizing Post-Acute Sequelae of SARS-CoV-2 Infection across Claims and Electronic Health Record Databases

Matthew E. Spotnitz, George Hripcsak, Patrick B. Ryan, Karthik Natarajan

doi: <https://doi.org/10.1101/2021.03.19.21253756>

This article is a preprint and has not been peer-reviewed [what does this mean?]. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Abstract

Full Text

Info/History

Metrics

Preview PDF

Structured Abstract

Importance Post-acute sequelae of SARS-CoV-2 infection (PASC) is emerging as a major public health issue.

Objective We characterized the incidence of PASC, or related symptoms and diagnoses, for COVID-19 and influenza patients.

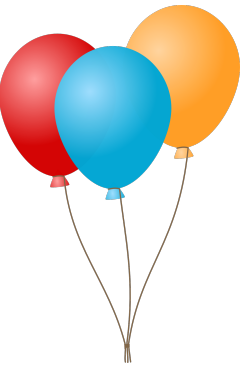
Design Retrospective cohort study.

Setting Our data sources were the IBM MarketScan Commercial Claims and Encounters (CCA), Optum Electronic Health Record (EHR) and Columbia University Irving Medical Center (CUIMC) databases that were transformed to the Observational Medical Outcome Partnership (OMOP) Common Data Model (CDM) and were part of the Observational Health Sciences and Informatics (OHDSI) network.





OHDSI Shoutouts!



Congratulations to **Kristin Kostka**, who began her new position as the **Director of the OHDSI Center at the Roux Institute at Northeastern University** this week.





Collaborator Spotlight – Evan Minty



Collaborator **Evan Minty**, a general internist and clinical assistant professor at the O'Brien Institute for Public Health at the University of Calgary, was profiled in the latest OHDSI Collaborator Spotlight. Among other topics, Evan discusses a potential Surgery and Perioperative Medicine workgroup he would like to develop moving forward.

Spotlight: Evan Minty



As a clinical informatician, I'd credit OHDSI for a great deal of the perspective that I am able to bring my own health system in areas of predictive analytics and observational analysis of real world EMR data. As an internist, I've become a better consumer of observational studies, and predictive model studies in particular. As an example, I was able to cite the work done by this group when justifying restraint regarding hydroxychloroquine in COVID-19 related respiratory disease to patients and their families.



ohdsi.org/spotlight-evan-minty/



EHDEN Data Call Feature

Erasmus MC recently shared a feature about the latest EHDEN data call, which includes a €5 million budget available to health data experts wishing to standardize their databases.

News

€5 million budget made available to standardise health data

A European consortium of 22 partners, led by Associate Professor Peter Rijnbeek of the Department of Medical Informatics at the Erasmus MC, has made a €5 million budget available to health data experts wishing to standardise their databases. 'The ongoing global pandemic has reinforced the need to ensure the right data are in the right place to answer the right question.'



By Berit Sinterniklaas
30 April, 2021

10 likes

Reading time 3 min



<https://amazingerasmusmc.com/news/e5-million-budget-made-available-to-standardise-health-data/>



May Newsletter Is Available



The Journey Newsletter (May 2021)

The OHDSI community continues to impact healthcare both at the global and local levels. It is also addressing two key aspects of its foundation — large-scale analytics tools, and building the community through education and empowering early researchers. Learn more in the latest edition of the OHDSI Newsletter. [#JoinTheJourney](#)



On The Journey


#JoinTheJourney



Patrick Ryan and Craig Sachson discuss how OHDSI is building its foundation through both people and tools, as well as the current EUMAEUS (Evaluating Use of Methods for Adverse Events Under Surveillance) network study, in the latest episode of the On The Journey Video Podcast. If the video doesn't appear, view the email in your browser.

Where Have We Been?

- Six network studies were presented during an April community call. Among



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OHDSI on Twitter May 2021

OHDSI on LinkedIn April 2021

OHDSI on YouTube March 2021

February 2021

October 2020

June 2020

February 2020

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

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 from major healthcare organizations, as well as network sessions, the annual collaborator showcase, and plenty more. Check it all out at the link below.



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



Date	Time (ET)	Meeting
Tuesday	1 pm	Common Data Model
Tuesday	3 pm	OMOP CDM Oncology – Outreach/Research Subgroup
Wednesday	8 am	Vaccine Vocabulary
Wednesday	4 pm KST	Patient-Level Prediction/Population-Level Estimation (Eastern Hemi)
Thursday	12 pm	Patient-Level Prediction/Population-Level Estimation (Western Hemi)
Thursday	1 pm	OMOP CDM Oncology
Friday	8 am	Early Stage Researchers (Europe/East Coast/West Coast)
Tuesday	9 am	OMOP CDM Oncology – Genomic Subgroup

www.ohdsi.org/upcoming-working-group-calls



Get Access To Different Teams/WGs/Chapters



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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)
- ☐ 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

- ☐ Phenotype Development and Evaluation
- ☐ Population-Level Effect Estimation / Patient-Level Prediction
- ☐ Psychiatry
- ☐ Registry (formerly UK Biobank)
- ☐ Surgery and Perioperative Medicine
- ☐ Vaccine Vocabulary
- ☐ Women of OHDSI

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

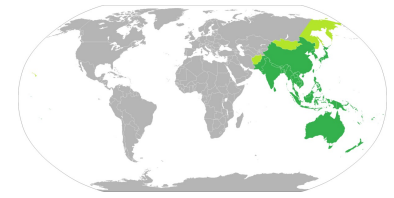
- ☐ Australia
- ☐ China
- ☐ Europe
- ☐ Japan
- ☐ Korea
- ☐ Singapore
- ☐ Taiwan

6. Select the studies you want to join

- ☐ HERA-Health Equity Research Assessment
- ☐ PIONEER for Prostate Cancer (study-a-thon ended)
- ☐ SCYLLA (SARS-Cov-2 Large-scale Longitudinal Analyses)



Upcoming APAC Community Call



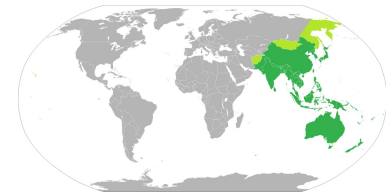
The next APAC Community Call will be this week (Thursday/Wednesday, depending on your location), and the focus will be collaborator presentations.


Dr. Anton van der Vegt will discuss the Australian real-world research infrastructure pilot, while **Mui Van Zandt** will present on OHDSI CDM 5.4 changes.

Date	Topic
May 6	Collaborator Showcase Presentations
May 20	10-Minute Tutorials
June 3	Network Research
June 17	Welcome to OHDSI
July 1	OMOP Projects



APAC Webpage





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OHDSI APAC - Our Asia-Pacific Community

OHDSI is a global, multi-stakeholder, interdisciplinary and open-science network that collaborates to bring out the value of health data through large-scale analytics. Our Asia-Pacific (APAC) community comprises six regional chapters (Australia, China, Japan, Singapore, South Korea, Taiwan) and has led important OHDSI initiatives around the world.

The [first OHDSI APAC Symposium](#) was held virtually Dec. 5-6, 2020, and it provided an opportunity for our Asia-Pacific collaborators (along with others around the world) to share research, provide community updates, collaborate in regional breakouts or network discussions, and have some OHDSI fun.


The APAC community has its own group in the OHDSI MS Teams environment to promote greater collaboration on our collaborative efforts. It will also be the home of our bi-weekly APAC Community Calls, where we will provide updates, share research presentations, collaborate on topics of shared interest, and plenty more. How can you get involved? First, [request access to our MS Teams Environment](#), then request access to [our OHDSI APAC workgroup](#). You can also join the meetings [by using this direct link](#).

Our calls are scheduled on a bi-weekly basis, held every other Thursday/Wednesday depending on where you live. All calls are recorded, so if you miss one or want to share with a collaborator, check out the call recordings below.

[Apr. 22, 2021 - Regional Updates](#)

Regional Updates

Upcoming APAC Community Calls	
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[OHDSI Community Calls](#)
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[Upcoming Working Group Calls](#)

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Upcoming APAC Community Calls

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Internship Availabilities



Our Janssen R&D Epidemiology friends are hiring two undergraduate or graduate level summer interns to assist with projects in the Observational Health Data Analytics (OHDA) team. If interested in this position, please send your CV with a brief description of your interest to **Rupa Makadia** (rmakadia@its.jnj.com).

The application deadline is May 7.



rmakadia Rupa Makadia

OHDSI we are hiring two undergraduate or graduate level summer interns to assist with projects in the Observational Health Data Analytics (OHDA) team within Janssen R&D Epidemiology. Job description below, application deadline May 7th!

Observational Health Data Analytics Intern (Two Openings)

Janssen R&D Epidemiology is hiring two undergraduate or graduate level summer interns.

Location: Remote

The Observational Health Data Analytics (OHDA) Intern will be a member of the Epidemiology team. OHDA supports the Janssen Research and Development organization, and others within the Johnson & Johnson Family of Companies by generating and disseminating real-world evidence about disease, health service utilization, and the effects of medical products through the analysis of healthcare data. OHDA also collaborates with broader international research community to establish and promote best practices in the appropriate use of observational data by conducting methodological research, developing standardized analytics tools through open-source development, and demonstrating successful applications to important clinical questions. The OHDA intern will work under the supervision of one or more senior members of the department.

Ideally, the candidate will commit to 30-40 hours per week for a minimum of 10 weeks (~mid-May through ~mid-August).

Qualifications:

A minimum of enrollment in either an undergraduate or graduate degree in any STEM major (e.g. science, technology, engineering, or mathematics). Experience in statistical programming (e.g. R), database programming (e.g. SQL), and/or application development (e.g. Java, C++/#), and desire to work with large healthcare datasets. Knowledge of medical terminologies (e.g. ICD, NDC, SNOMED, MedDRA, LOINC, CPT) is a plus. Strong written and oral communication skills are required.

If interested in this position, please send your CV with a brief description of your interest to Rupa Makadia (rmakadia@its.jnj.com). Please apply no later than May 7, 2021.

Johnson & Johnson is an Affirmative Action and Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, or protected veteran status and will not be discriminated against on the basis of disability.



CBER Best Initiative Seminar Series

The next edition of the CBER Best Initiative Seminar Series will be held Wednesday, May 5, at 11 am ET. **Dr. Ben Goldstein** will discuss “Understanding Informed Presence in Electronic Health Records Data” during that session.

Registration is free, and everybody is invited. You can register at:

https://northeastern.zoom.us/webinar/register/WN_UkPMnpakQ4qRMJS7O459pA

CBER BEST Initiative Seminar Series



Date:
May 5, 2021

Time:
11:00 -12:00 PM EDT

Topic:
Understanding Informed Presence in Electronic Health Records Data

Background:
The [CBER BEST Initiative](#) Seminar Series is designed to share and discuss recent research of relevance to ongoing and future surveillance activities of CBER regulated products, namely biologics. The series focuses on safety and effectiveness of biologics including vaccines, blood components, blood-derived products, tissues and advanced therapies. The seminars will provide information on characteristics of biologics, required infrastructure, study designs, and analytic methods utilized for pharmacovigilance and pharmacoepidemiologic studies of biologics. They will also cover information regarding potential data sources, informatics challenges and requirements, utilization of real-world data and evidence, and risk-benefit analysis for biologic products. The length of each session may vary, and the presenters will be invited from outside FDA. Please see the details below for our upcoming seminar. [Anyone can register and join for free.](#) Stay tuned for more details and additional webinars during the course of the year.

Description: Electronic Health Records (EHR) data have become a key data source for clinical research. Their relative availability and abundance make them very appealing for analytic tasks ranging from comparative effectiveness research, disease surveillance, population health, and predictive modeling. However, as has been widely documented, as a real-world data source, there are a number of analytic challenges with EHR data. One of the key challenges of EHR data relates to the observability of the underlying data. While fundamentally a missing data problem, we have termed this process *informed presence* to highlight that what we observe is informative. In this talk I will provide some illustrations for how informed presence can bias insights and inference with EHR data as well as discuss some approaches – both analytical and design based – that can mitigate these biases. Ultimately EHR data are an extremely useful data source, though like any complicated data source need to be used thoughtfully.

Presenter:
Dr. Ben Goldstein, PhD, MPH



Benjamin Goldstein is Associate Professor of Biostatistics and Bioinformatics at Duke University. He is a member of the Duke Clinical Research Institute and serves as the Science Lead for the Children's Health Discovery Initiative. Dr. Goldstein's research focuses on the meaningful use of electronic health records data. His work sits at the intersection of biostatistics, biomedical informatics, machine learning and epidemiology. He works closely with the Duke University Health System developing, implementing and evaluating risk prediction and clinical decision support tools. He also studies how patients' informative visit process can impact inference in EHR based studies. Dr. Goldstein received his PhD in Biostatistics and MPH in Biostatistics and Epidemiology from UC Berkeley.

Registration:
https://northeastern.zoom.us/webinar/register/WN_UkPMnpakQ4qRMJS7O459pA



Where Are We Going?

**Any other announcements
of upcoming work, events,
deadlines, etc?**





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Where Are We Going?





Today's Topic: Workgroup Presentations



GIS - Geographic Information System

Robert Miller, Tufts



**Registry
(formerly UK Biobank)**

Maxim Moinat, The Hyve



PEI - Pharmacovigilance Evidence Investigation

Erica Voss, Janssen R&D



Electronic Health Records

Melanie Philofsky, Odysseus Data Services