The EUMAEUS Project

Evaluating Use of Methods for Adverse Event Under Surveillance

OHDSI Community Call
June 29, 2021 • 11 am ET

Upcoming OHDSI Community Calls

Date	Topic
June 29	Focus Topic: EUMEAUS (Evaluating Use of Methods for Adverse Event Under Surveillance)
July 6	Meet & Greet New OHDSI Collaborators
July 13	Focus Topic: PROTEUS (Predicting & Recalibrating Outcomes Toward External Understanding Study)
July 20	Workgroup Updates: Early-Stage Researchers, Women of OHDSI, Latin America, Education
July 27	Visualization Challenge

Upcoming OHDSI Community Calls

Date	Topic
June 29	Focus Topic: EUMEAUS (Evaluating Use of Methods for Adverse Event Under Surveillance)
July 6	Meet & Greet New OHDSI Collaborators
July 13	Focus Topic: PROTEUS (Predicting & Recalibrating Outcomes Toward External Understanding Study)
July 20	Workgroup Updates: Early-Stage Researchers, Women of OHDSI, Latin America, Education
July 27	Visualization Challenge

July 6 Community Call: Meet & Greet

During the July 6 call, we want to give members of the community a chance to let us know a bit more about them.

- Introduce yourself
- What is your background?
- How do you hope to contribute?
- How can OHDSI support you?

Help us continue to build this community!

Contact Craig Sachson (sachson@ohdsi.org) to participate

Three Stages of The Journey

Where Have We Been?

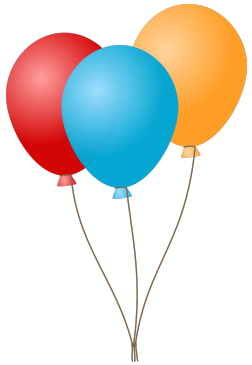
Where Are We Now?

Where Are We Going?

OHDSI Shoutouts!

Congratulations to **Noha Sharafeldin, Benjamin Bates, Qianqian Song, Vithal Madhira, Yao Yan, Sharlene Dong, Eileen Lee, Nathaniel Kuhrt, Yu Raymond Shao, Feifan Liu, Timothy Bergquist, Justin Guinney, Jing Su, and Umit Topaloglu** for the study "**Outcomes of COVID-19 in Patients with Cancer: Report from the National COVID Cohort Collaborative (N3C)**" that was published recently in the *Journal of Clinical Oncology.*

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	3 pm	Health Equity *(FIRST MEETING)*
Wednesday	8 am	Vaccine Vocabulary
Wednesday	10 am	OMOP CDM Oncology – Development Subgroup
Thursday	1 pm	Patient-Level Prediction/Population Level Estimation (Western Hemi)
Thursday	1 pm	OMOP CDM Oncology – CDM/Vocabulary Subgroup
Friday	1 pm	Phenotype Development and Evaluation
Monday	11:30 pm	Pharmacovigilance Evidence Investigation (PEI)
Monday	10 am	GIS-Geographic Information System
Tuesday	9 am	OMOP CDM Oncology – Genomic Subgroup

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 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
- [ ] Health Equity
- [ ] Latin America
- [ ] Medical Devices
- [ ] Natural Language Processing
- [ ] OHDSI APAC
- [ ] OHDSI APAC Steering Committee
- [ ] OHDSI Steering Committee
- [ ] Oncology
- [ ] Patient-Generated Health Data
- [ ] Pharmacovigiliance Evidence Investigation
- [ ] Phenotype Development and Evaluation
- [ ] Population-Level Effect Estimation / Patient-Level Prediction
- [ ] Psychiatry
- [ ] Registry (formerly UK Biobank)
- [ ] Surgery and Perioperative Medicine
- [ ] Vaccine Safety
- [ ] Vaccine Vocabulary
- [ ] Women of OHDSI

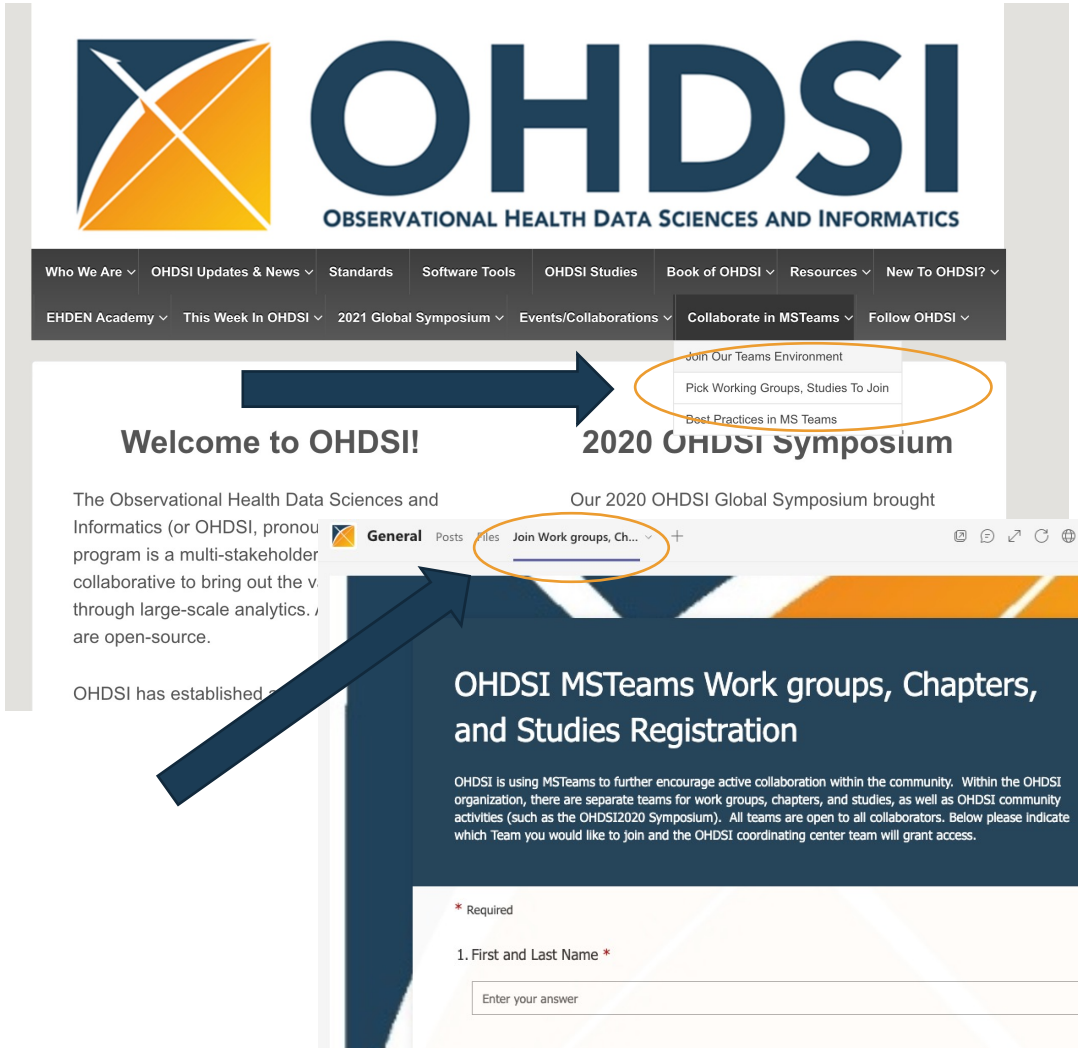
6. Select the chapter(s) you want to join

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

7. 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)

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 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
- [ ] Health Equity
- [ ] Latin America
- [ ] Medical Devices
- [ ] Natural Language Processing
- [ ] OHDSI APAC
- [ ] OHDSI APAC Steering Committee
- [ ] OHDSI Steering Committee
- [ ] Oncology
- [ ] Patient-Generated Health Data
- [ ] Pharmacovigiliance Evidence Investigation
- [ ] Phenotype Development and Evaluation
- [ ] Population-Level Effect Estimation / Patient-Level Prediction
- [ ] Psychiatry
- [ ] Registry (formerly UK Biobank)
- [ ] Surgery and Perioperative Medicine
- [ ] Vaccine Safety
- [ ] Vaccine Vocabulary
- [ ] Women of OHDSI

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

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

7. 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)

CBER Seminar Series

The next edition of the CBER BEST Initiative Seminar Series will be **July 28 at 11 am ET. Jessica Gronsbell** (University of Toronto) will present a talk on "**Statistical learning with electronic health records data**."

Get more information and register by using the link below.

BEST

Webinar Registration

Topic	CBER BEST Initiative Seminar Series - Statistical learning with electronic health records data
Description	The adoption of electronic health records (EHRs) has generated massive amounts of routinely collected medical data with potential to improve our understanding of healthcare delivery and disease processes. However, the analysis of EHR data remains both practically and methodologically challenging as it is recorded as a byproduct of billing and clinical care, and not for research purposes. In this talk, I will discuss methods that bridge classical statistical theory and modern machine learning tools in an effort to efficiently and reliably extract insight from EHR data. I will focus primarily on (i) the challenges in obtaining annotated outcome data, such as presence of a disease or clinical condition, from patient records and (ii) how to reduce the annotation burden by leveraging unlabeled data in model estimation and evaluation. Presented by: Dr. Jessica Gronsbell, University of Toronto
Time	Jul 28, 2021 11:00 AM in Eastern Time (US and Canada)

Register Here

July 27 Visualization Challenge

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?

June 29: EUMAEUS Presentation

Evaluating Use of Methods for Adverse Event Under Surveillance

Literature review

Lana Lai

Combining Methods in a Safety Surveillance System

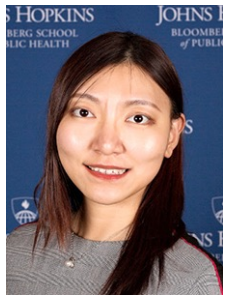
Faaizah Arshad

Overview of the EUMAEUS Experiment Design

Marc Suchard

Estimation for Two-Dose Vaccines

Ty Stanford



Bias, precision and timeliness of historical rate comparison methods

Xintong Li

Comparison of performance across methods

Martijn Schuemie