

Workgroup Presentations

Early-Stage Researchers | Women of OHDSI | Latin America | Education

OHDSI Community Call July 20, 2021 • 11 am ET



Upcoming OHDSI Community Calls

Date	Topic
July 20	Workgroup Updates: Early-Stage Researchers, Women of OHDSI, Latin America, Education
July 27	Health Equity Visualization Challenge
August 3	OHDSI Asia-Pacific (APAC) Regional Updates
August 10	2021 Global Symposium Preview
August 17	New Developments In OHDSI
August 24	Back to School
August 31	NO MEETING



Upcoming OHDSI Community Calls

Date	Topic	
July 20	Workgroup Updates: Early-Stage Researchers, Women of OHDSI, Latin America, Education	
July 27	Health Equity Visualization Challenge	
August 3	OHDSI Asia-Pacific (APAC) Regional Updates	
August 10	2021 Global Symposium Preview	
August 17	New Developments In OHDSI	
August 24	Back to School	
August 31	NO MEETING	



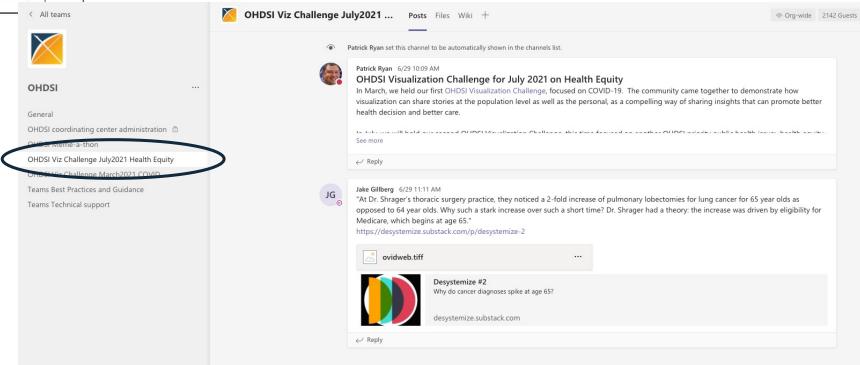
July 27 Community Call: Health Equity Visualizations

63 Incidence 13,000 13,438 13,869 14,433 15,835 15,728 16,059 16,408 16,221 3.4% 3.2% 4.1% **9.7%*** Cancer -0.7% 2.1% 2.2% -1.1% Incidence 20,996 20,832 20,464 19,469 21,312 19,624|18,538|17,620|16,739 Breast Cancer -0.8% -1.8% -4.9% **9.5%*** -7.9% -5.5% -5.0% -5.0% Incidence|6,526 |6,604 |6,749 |6,861 |7,893 7,154 7,144 17.068 16.732 Colon Cancer 2.2% | 1.7% | **15.0%*** | -9.4% | -0.1% | -1.1% | -4.8% ProstateIncidence|23,772|25,112|26,019|25,888|30,183 128.392127.794126.667124.996 |5.6% |3.6% |-0.5% |**16.6%***|-5.9% |-2.1% |-4.1% |-6.3%

Courtesy of Jake Gillberg

Δ denotes age-over-age (AoA) percent change – comparing incidence for a specific age with the previous age year *P-values of T-tests comparing AoA percent change at age 65 vs all other ages: lung: < 0.01, breast: < 0.001,

|colon: < 0.01, prostate: < 0.001





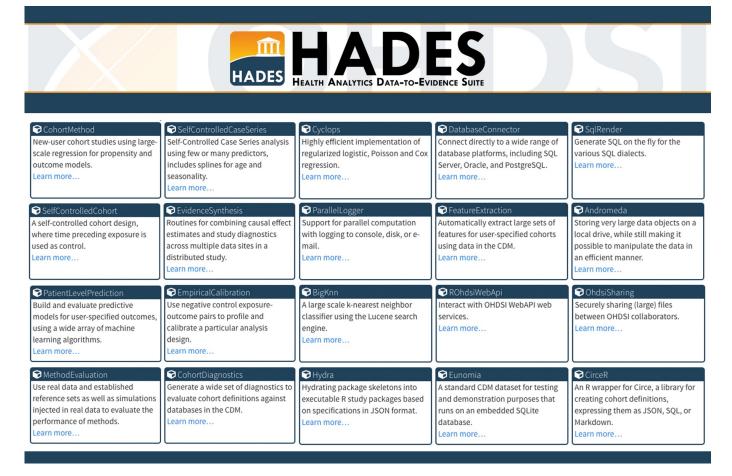
Three Stages of The Journey

Where Have We Been? Where Are We Now? Where Are We Going?





HADES Unit-Test-A-Thon: July 14-16



The HADES Unit-Test-A-Thon was held July 14-16. It aimed to increase the coverage of all HADES packages to above 80%.





Congratulations to Martina Recalde, Elena Roel, Andrea Pistillo, Anthony Sena, Albert Prats-Uribe, Waheed-Ul-Rahman Ahmed, Heba Alghoul, Thamir Alshammari, Osaid Alser, Carlos Areia, Edward Burn, Paula Casajust, Dalia Dawoud, Scott DuVall, Thomas Falconer, Sergio Fernández-Bertolín, Asieh Golozar, Mengchun Gong, Lana Yin Hui Lai, Jennifer Lane, Kristine Lynch, Michael Matheny, Paras Mehta, Daniel Morales, Karthik Natarjan, Fredrik Nyberg, Jose Posada, Christian Reich, Peter Rijnbeek, Lisa Schilling, Karishma Shah, Nigam Shah, Vignesh Subbian, Lin Zhang, Hong Zhu, Patrick Ryan, Daniel Prieto-Alhambra, Kristin Kostka and Talita Duarte-Salles on the publication of "Characteristics and outcomes of 627 044 COVID-19 patients living with and without obesity in the United States, Spain, and the <u>United Kingdom</u>" in the International Journal of Obesity.

International Obesity Journal of Obesity

Journal information > Publish with us >

nature > international journal of obesity > articles > article

Article Open Access | Published: 15 July 2021

Epidemiology and Population Health

Characteristics and outcomes of 627 044 COVID-19 patients living with and without obesity in the United States, Spain, and the United Kingdom

Martina Recalde, Elena Roel, [...] Talita Duarte-Salles

✓

International Journal of Obesity (2021) Cite this article

390 Accesses | 22 Altmetric | Metrics

Abstract

Background

A detailed characterization of patients with COVID-19 living with obesity has not yet been undertaken. We aimed to describe and compare the demographics, medical conditions, and outcomes of COVID-19 patients living with obesity (PLWO) to those of patients living without obesity.





Congratulations to Elena Roel, Andrea Pistillo, Martina Recalde, Anthony Sena, Sergio Fernandez-Bertolin, Maria Aragon, Diana Puente, Waheed-Ul-Rahman Ahmed, Heba Alghoul, Osaid Alser, Thamir Alshammari, Carlos Areia, Clair Blacketer, William Carter, Paula Casajust, Aedín Culhane, Dalia Dawoud, Frank DeFalco, Scott DuVall, Thomas Falconer, Asieh Golozar, Mengchun Gong, Laura Hester, George Hripcsak, Eng Hooi Tan, Hokyun Jeon, Jitendra Jonnagaddala, Lana Lai, Kristine Lynch, Michael Matheny, Daniel Morales, Karthik Natarajan, Fredrik Nyberg, Anna Ostropolets, Jose Posada, Albert Prats-Uribe, Christian Reich, Donna Rivera, Lisa Schilling, Isabelle Soerjomataram, Karishma Shah, Nigam Shah, Yang Shen, Matthew Spotnitz, Vignesh Subbian, Marc Suchard, Annalisa Trama, Lin Zhang, Ying Zhang, Patrick Ryan, Daniel Prieto-Alhambra, Kristin Kostka and Talita Duarte-Salles on the publication of "Characteristics and outcomes of over 300,000 COVID-19 individuals with history of cancer in the United States and Spain" in Cancer Epidemiology, Biomarkers & Prevention.

CANCER EPIDEMIOLOGY, OMARKERS & PREVENTION

Research Article

Characteristics and outcomes of over 300,000 COVID-19 individuals with history of cancer in the United States and Spain

Elena Roel, Andrea Pistillo, Martina Recalde, Anthony G Sena, Sergio Fernandez-Bertolin, Maria Aragon, Diana Puente, Waheed-Ul-Rahman Ahmed, Heba Alghoul, Osaid Alser Thamir M, Alshammari, Carlos Areia, Clair Blacketer, William Carter, Paula Casajust, Aedin C, Culhane, Dalia Dawoud, Frank DeFalco, Scott L DuVall, Thomas Falconer, Asieh Golozar, Mengchun Gong, Laura Hester, George Hripcsak, Eng Hooi Tan, Hokyun Jeon, Jitendra Jonnagaddala, Lana YH Lai, Kristine E Lynch, Michael E Matheny, Daniel R Morales, Karthik Natarajan, Fredrik Nyberg, Anna Ostropolets, Jose D Posada, Albert Prats-Uribe, Christian G Reich, Donna R Rivera, Lisa M Schilling, Isabelle Soerjomataram, Karishma Shah, Nigam H. Shah, Yang Shen, Matthew Spotnitz, Vignesh Subbian, Marc A Suchard, Annalisa Trama, Lin Zhang, Ying Zhang, Patrick B Ryan, Daniel Prieto-Alhambra, Kristin Kostka, and Talita Duarte-Salles

Figures & Data PDF Abstract

Background: We described the demographics, cancer subtypes, comorbidities, and outcomes of patients with a history of cancer and COVID-19. Secondly, we compared patients hospitalized with COVID-19 to patients diagnosed with COVID-19 and patients hospitalized with influenza. Methods We conducted a cohort study using eight routinely-collected healthcare databases from Spain and the US, standardized to the Observational Medical Outcome Partnership common data model Three cohorts of patients with a history of cancer were included: i) diagnosed with COVID-19, ii) hospitalized with COVID-19, and iii) hospitalized with influenza in 2017-2018. Patients were followed from index date to 30 days or death. We reported demographics, cancer subtypes comorbidities, and 30-day outcomes. Results: We included 366,050 and 119,597 patients

This OnlineFirst version was published on July 16, 2021 doi: 10.1158/1055-9965.EPI-21-0266 Request Permissions ♣ Open full page PDF **У** Tweet Article Alerts Like 0 Email Article Citation Tools

Jump to section

O Figures & Data

Article





Congratulations to Anna Ostropolets, Xintong Li, Rupa Makadia, Gowtham Rao, Peter Rijnbeek, Talita Duarte-Salles, Anthony Sena, Azza Shaoibi, Marc Suchard, Patrick Ryan, Daniel **Prieto-Alhambra and George Hripcsak** on this recent preprint posted on MedRxiv: "Empirical evaluation of the sensitivity of background incidence rate characterization for adverse events across an international observational data network." Community feedback is welcome!







HOME | ABOUT

Search

Comment on this paper

Empirical evaluation of the sensitivity of background incidence rate characterization for adverse events across an international observational data network

🗓 Anna Ostropolets, 🗓 Xintong Li, Rupa Makadia, Gowtham Rao, Peter R. Rijnbeek, 🗓 Talita Duarte-Salles, 🔟 Anthony G. Sena, Azza Shaoibi, 📵 Marc A. Suchard, Patrick B. Ryan, 📵 Daniel Prieto-Alhambra, George Hripcsak

doi: https://doi.org/10.1101/2021.06.27.21258701

#JoinTheJourney

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.

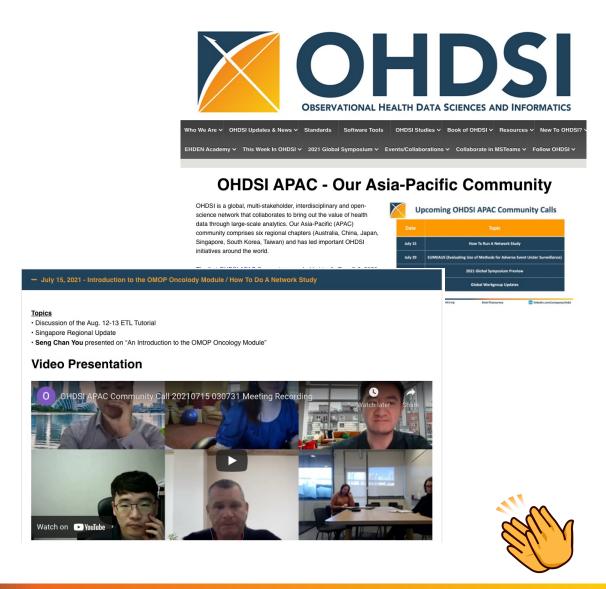


July 15 APAC Community Call

The July 15 APAC Community Call featured three topics that may be of interest to the global OHDSI community.

- Mui Van Zandt discussed the upcoming APAC ETL tutorial (registration deadline is July 23.
- Mengling Feng and Selva Sathappan presented the Singapore Regional update.
- Seng Chan You presented "An Introduction to the OMOP Oncology Module"

Find ALL APAC community call recordings at ohdsi.org/apac/







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	1 pm	Data Quality Dashboard Development
Thursday	8 am	Psychiatry
Thursday	10 am	Medical Devices
Thursday	11 am	Latin America
Thursday	1 pm	OMOP CDM Oncology – CDM/Vocabulary Subgroup
Friday	10 am	Clinical Trials
Friday	10 am	Electronic Health Records
Friday	10 am	Phenotype Development and Evaluation
Monday	11:30 am	Pharmacovigilance Evidence Investigation (PEI)
Monday	1 pm	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

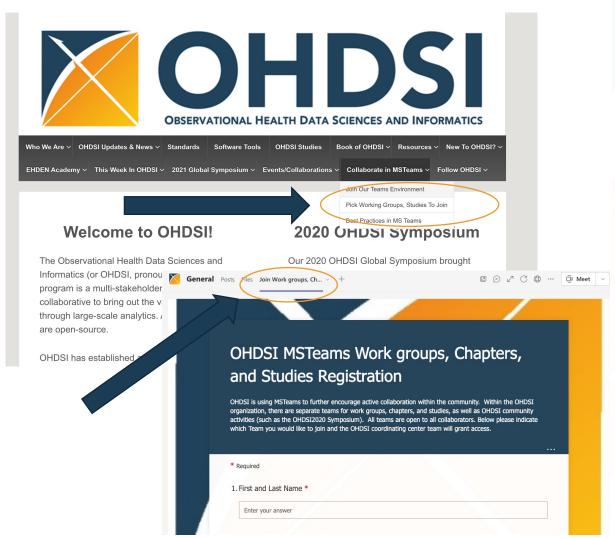


ATLAS	
Clinical Trials	
Common Data Model	Phenotype Development and Evaluation
Data Quality Dashboard Development	Population-Level Effect Estimation / Patient-Level Prediction
Early-stage Researchers	Psychiatry
	Registry (formerly UK Biobank)
Education Work Group	Surgery and Perioperative Medicine
Electronic Health Record (EHR) ETL	☐ Vaccine Safety
Geographic Information System (GIS)	☐ Vaccine Vocabulary
HADES Health Analytics Data-to-Evidence Suite	☐ Women of OHDSI
Health Equity	
Latin America	6. Select the chapter(s) you want to join
Editi America	Australia
Medical Devices	China
Natural Language Processing	☐ Europe
OHDSI APAC	Japan
OHDSI APAC Steering Committee	☐ Korea
	Singapore
OHDSI Steering Committee	☐ Talwan
Oncology	
Patient-Generated Health Data	7. Select the studies you want to join
Pharmacovigiliance Evidence Investigation	HERA-Health Equity Research Assessment





Get Access To Different Teams/WGs/Chapters



	ts:overview)
ATLAS	
Clinical Trials	
Common Data Model	
Data Quality Dashboard Development	Phenotype Development and Evaluation
Early-stage Researchers	Population-Level Effect Estimation / Patient-Level Prediction Psychiatry
Education Work Group	Registry (formerly UK Biobank)
Electronic Health Record (EHR) ETL	Surgery and Perioperative Medicine
Geographic Information System (GIS)	☐ Vaccine Safety
HADES Health Analytics Data-to-Evidence Suite	☐ Vaccine Vocabulary ☐ Women of OHDSI
Health Equity	
Latin America	6. Select the chapter(s) you want to join
Medical Devices	Australia
Natural Language Processing	☐ China ☐ Europe
OHDSI APAC	Japan
OHDSI APAC Steering Committee	☐ Korea
OHDSI Steering Committee	☐ Singapore ☐ Taiwan
Oncology	
Patient-Generated Health Data	7. Select the studies you want to join
Pharmacovigiliance Evidence Investigation	HERA-Health Equity Research Assessment
	☐ PIONEER for Prostate Cancer (study-a-thon ended)





2-Day ETL Training Led By OHDSI APAC

The OHDSI APAC team announced that there will be a 2-day ETL training on August **12-13** (APAC time zone).

This training will include the source data analysis, ETL development, and data quality check aspects of an OMOP conversion process.

The registration deadline is this Friday.



Registration Link



EMA Call for Tenders for RWD Subscription

Peter Rijnbeek recently shared the news that the EMA has launched a new call for tenders for Real World Data subscription.

The purpose of the call is to get access to and use of a set of individual patient-level databases drawn from the population receiving primary care, specialist care or hospital care in the EEA countries.

The application deadline is July 30.



The call is split into 3 lots as follows:

- Lot 1: Primary health care or claims database from a Southern European country (included countries: Cyprus, Greece, Italy, Malta, Portugal, Spain).
- ◆ Lot 2: Primary health care or claims database from an Eastern European country (included countries: Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia, Slovenia).
- Lot 3: Hospital database from any EEA country.

LinkedIn Post from EMA





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 **NEW LINK** below.



Webinar Registration



Topic CBER BEST Initiative Seminar Series - Statistical learning with electronic health records

data

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

Jul 28, 2021 11:00 AM in Eastern Time (US and Canada)

Register Here

#JoinTheJourney







2021 Global Symposium: Sept. 12-15

2021 Global OHDSI Symposium

We are excited to announce that general registration for the 2021 Global OHDSI Symposium, which will be held virtually in Microsoft Teams, Sept. 12-15, is now open! This will be our seventh annual OHDSI Symposium, and it will provide another opportunity for our community to come together, share ideas, learn from each other and network with our fellow collaborators.

We are working on many details for the four-day event, which will feature plenary talks, a state of the community presentation and our collaborator showcase. One detail has not changed — the symposium remains free to attend and is open to anybody, whether you are a community veteran or a newcomer looking to learn more about how we generate real-world evidence that promotes better health decisions and better care.

Please continue to check the OHDSI website (www.ohdsi.org) and the OHDSI social platforms periodically for updates as we plan for a rewarding, online event!

What Can You Expect At #OHDSI2021?

The 2021 Global OHDSI Symposium will be held virtually for the second straight year. This allows both veteran collaborators and those new to OHDSI from around the world to come together and share ideas, learn from each other and enjoy the spirit of our community. If you missed our 2020 Global Symposium, check out the link below to get a sense of what takes place during our biggest event of the year.

The 2020 Global Symposium

While we are excited to again create an opportunity for everyone to participate in the Symposium for free if they choose, there are costs associated with coordinating all OHDSI community activities. To help offset these costs, we provide the additional optional opportunity for participants to support the OHDSI community through 'registration contribution' and 'optional registration fee' tickets. Thank you in advance for your generous support! Should you require a tax receipt for your contribution, please email symposium@ohdsi.org BEFORE you make the contribution through the Eventbrite registration site.

In addition, as all OHDSI activities depend largely on government grants and organization sponsorships, please email symposium@ohdsi.org if you would like to consider sponsorship opportunities for this year's symposium.

Should you wish to change or cancel your registration ticket, kindly log into your Eventbrite account where you may edit or cancel your free registration ticket at any time. Registration contribution tickets/optional registration fee tickets are non-refundable; however, if you need to make changes to this ticket, kindly email us at symposium@ohdsi.org. Also, if you make any changes to your registration ticket such as a name change or update an email address, please email us at symposium@ohdsi.org. Also, if you make any changes to your registration ticket such as a name change or update an email address, please email us at symposium@ohdsi.org. Also, if you make any changes to your registration ticket such as a name

To Register for the 2021 Global OHDSI Symposium, please click the button below:

Register For #OHDSI2021 Here!

Symposium Information and Registration

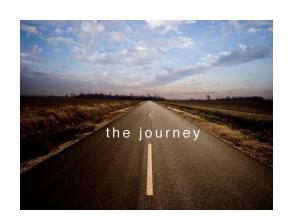






Where Are We Going?

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





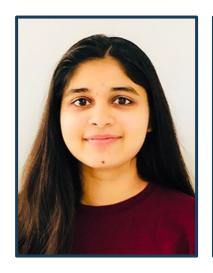
Three Stages of The Journey

Where Have We Been? Where Are We Now? Where Are We Going?





July 20 Community Call: Workgroup Updates





Early-Stage Researchers **Faaizah Arshad Ross Williams**



Latin America Jose Posada



Women of **OHDSI Maura Beaton**



Education Nigel Hughes