

# Main Conference Agenda • Oct. 14

7:30 am - 8:30 am <i>Ballroom AE Foyer</i>	Registration and Lite Breakfast
9:00 am - 10:00 am <i>Ballroom DE</i>	<b>State of the Community</b> George Hripcsak, Columbia University • <i>presentation of 2020, 2021 Titan Awards</i>
10:00 am - 10:45 am <i>Ballroom DE</i>	<b>Workgroup Connections</b> • <i>workgroup leads will be distributed across the venue and available for networking to share activities and progress and connect for future collaborations</i> <b>OHDSI Meet The Mentors</b> ( <i>Ballroom Side Foyer</i> )
10:45 am - 12:15 pm <i>Ballroom DE</i>	<b>Plenary: Objective Diagnostics: A pathway to provably reliable evidence</b> Martijn Schuemie, Johnson & Johnson
12:15 pm - 1:00 pm <i>Ballroom Foyer</i>	<b>Buffet Lunch</b> • <i>buffet in exhibitor space</i>
1:00 pm - 2:00 pm <i>Ballroom DE</i>	<b>Presentations: OHDSI support for regulatory authorities</b> moderator: Jody-Ann McLeggon, Columbia University • <i>“US FDA/CBER: Performance of vaccine safety surveillance methods” Fan Bu, UCLA</i> • <i>“Korea Ministry of Food and Drug Safety: Replication of clinical trials in electronic health records” Seng Chan You, Yonsei University</i> • <i>“European Medicines Agency: DARWIN-EU” Peter Rijnbeek, Erasmus MC</i>
2:00 pm - 3:00 pm <i>Ballroom ABC</i>	<b>Collaborator Showcase, Round 1</b> • <i>Poster presentations with poster walks</i> • <i>Software demonstrations</i> • <i>Exhibitors (Foyer)</i>
3:00 pm - 4:00 pm <i>Ballroom DE</i>	<b>Collaborator Showcase Lightning Talks</b> moderator: Kristin Kostka, Roux Institute at Northeastern University • <i>“Disambiguation of ICPC codes using free-text and active learning to improve concept mappings” Tom Seinen, Erasmus MC</i> • <i>“OHDSI Phenotype Phebruary: lessons learned” Azza Shoaibi, Johnson &amp; Johnson</i>

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<p>3:00 pm - 4:00 pm Ballroom DE (continued)</p>	<ul style="list-style-type: none"> <li>• “Reduce, Reuse, &amp; Recycle: Going Green with Atlas Reusables” Ajit Londhe, Amgen</li> <li>• “Best practices for prognostic model development using observational health data: a scoping review” Cynthia Yang, Erasmus MC</li> <li>• “Machine Learning for Predicting Patients at Risk of Prolonged Opioid Use Following Surgery” Behzad Naderalvojud, Stanford University</li> <li>• “When does statistical equality meet health equity: developing analytical pipelines to compare associational and causal fairness in their application to EHR data” Linying Zhang, Columbia University</li> <li>• “Analyzing the Effect of Hypertension on Retinal Thickness Using Radiology Common Data Model (R-CDM)” Chul Hyoung Park, Ajou University</li> <li>• “Multinational Patterns of Second-line Anti-hyperglycemic Drug Initiation: A LEGEND-T2DM Study” Lovedeep Dhingra, Yale University</li> </ul>
<p>4:00 pm - 5:00 pm Ballroom ABC</p>	<p><b>Collaborator Showcase, Round 2</b></p> <ul style="list-style-type: none"> <li>• Poster presentations with poster walks</li> <li>• Software demonstrations</li> <li>• Exhibitors (Foyer)</li> </ul>
<p>5:00 pm - 6:00 pm Ballroom DE</p>	<p><b>Closing Talk: Building A Healthier World Together</b> Patrick Ryan, Johnson &amp; Johnson, Columbia University</p> <ul style="list-style-type: none"> <li>• 2022 Titan Awards</li> <li>• Group photo at conclusion</li> </ul>
<p>6:00 pm - 7:00 pm Ballroom ABC</p>	<p><b>Networking Reception</b></p>





## Full-Day Tutorial • Oct. 15

### An Introductory Journey From Data To Evidence

In this tutorial, we will introduce participants to steps along the journey from data to evidence using the OMOP Common Data Model, OHDSI tools and scientific best practices. In each 50-minute segment, the class will learn the conceptual framing of the problem and approach to the solution. Then, the class will have the opportunity to have hands-on exposure to design and implementation of analyses and interpretation of results. The course will be motivated by a real use case: using observational data to generate evidence about the relationship between an exposure and outcome, and will highlight how the suite of OHDSI tools and practices can enable such learning.

This class is designed for newcomers to the OHDSI community who are looking for a high-level summary across a wide range of topics covered within the OHDSI community. It's also designed for those in the OHDSI community who may be focused in one particular area of the journey who want exposure to the other areas, so they can better understand how their work contributes to be 'big picture,' and advances the mission to improve health by empowering a community to collaboratively generate the evidence that promotes better health decisions and better care

The tutorial will be held in White Oak A.

Time	Title	Faculty
7:30 am - 8:30 am	Registration/Lite Breakfast (White Oak Foyer)	
8:30 am - 9:00 am	Overview of the OHDSI Journey: where are we going?	Patrick Ryan
9:00 am - 9:50 am	OMOP Common Data Model and vocabulary	Clair Blacketer
9:50 am - 10:00 am	Energy Break	
10:00 am - 10:50 am	ETL a source database into OMOP CDM	Melanie Philofsky
10:50 am - 11:00 am	Energy Break	
11:00 am - 11:50 am	Creating Cohort Definitions	Asieh Golozar
11:50 am - 12:30 pm	Buffet Lunch	
12:30 pm - 1:20 pm	Phenotype Evaluation	Gowtham Rao
1:20 pm - 1:30 pm	Energy Break	
1:30 pm - 2:20 pm	Characterization	Kristin Kostka
2:20 pm - 2:30 pm	Energy Break	
2:30 pm - 3:20 pm	Estimation	Martijn Schuemie
3:20 pm - 3:30 pm	Energy Break	
3:30 pm - 4:20 pm	Prediction	Jenna Reps
4:20 pm - 5:00 pm	Recap of the OHDSI Journey: Where do we go from here?	George Hripcsak

# Workgroup Activities • Oct. 15-16

A highlight of the OHDSI 2022 Symposium will be a full weekend of workgroup activities and meetings within the Bethesda North Marriott Hotel & Conference Center. You are now able to register for any workgroup sessions 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.

Currently scheduled workgroup activities are shown on the graphic below. There will be a buffet lunch both days between 12:00 pm - 1:00 pm in the White Oak Foyer. Specific locations for workgroup meetings will be posted when available.

Learn more about the different workgroup activities and register [at our symposium homepage](#).

## Saturday, October 15

Start Time (ET)	End Time (ET)
800	900
900	1000
1000	1100
1100	1200
1200	1300
1300	1400
1400	1500
1500	1600
1600	1700
1700	1800
1800	1900

Tutorial: An Introductory Journey From Data to Evidence	HADES Hack-a-thon: Part 1	Oncology WG	FHIR-OMOP: Terminologies Subgroup, Part 1
	Lunch	Lunch	FHIR-OMOP: Increasing the Value of Data Through a Rich Set of Attributes
	Methods Research (PLE/PLP)	Oncology WG (continued)	FHIR-OMOP: Data Model Harmonization Subgroup
		Natural Language Processing	FHIR-OMOP: Oncology Subgroup
			FHIR-OMOP: Terminologies Subgroup, Part 2

## Sunday, October 16

Start Time (ET)	End Time (ET)
800	900
900	1000
1000	1100
1100	1200
1200	1300
1300	1400
1400	1500
1500	1600
1600	1700

All-Hands Workgroup Meeting			
Lunch		Lunch	Lunch
CDM and Data Quality	HADES Hack-a-thon: Part 2	Education	Phenotype Evaluation
		Health Equity	

Registration is now open for all events at the OHDSI Symposium. For more information and/or the registration links for #OHDSI2022, please visit our home page below! We hope to see you in Bethesda, Md., when we can celebrate being together in-person once again!

[ohdsi.org/ohdsi2022symposium/](https://ohdsi.org/ohdsi2022symposium/)



# Collaborator Showcase

## Poster Presentations

The 2022 OHDSI Symposium will host two sessions featuring a total of over 100 posters that highlight the breadth of global research happening within our community. Closer to the symposium weekend, we will announce all of the posters and presenters.

## Software Demos

The 2022 OHDSI Symposium will feature 17 software demonstrations during the Collaborator Showcase sessions, listed below:

**A demonstration of the EnsemblePatientLevelPrediction package** (Jenna M. Repts, Jenna Wong, and Ross Williams)

**CohortIncidence: A Software Demonstration** (Christopher Knoll)

**Criteria2Query 2.0: Combining Human and Machine Intelligence for Cohort Identification** (Yilu Fang, Betina Idray, Yingcheng Sun, Hao Liu, Zhehuan Chen, Karen Marder, Hua Xu, Rebecca Schnall, Chunhua Weng)

**Data Network Feasibility Tool - Software Demonstration** (Frank DeFalco, Clair Blacketer)

**Data Quality Dashboard v2.0** (Clair Blacketer, Frank DeFalco, Anthony Molinaro, Dmitry Ilyn, Luis Alaniz, Maxim Moinat)

**Einstein-ATLAS: Leveraging OHDSI/ATLAS and Open-Source Development to Support Translational Research, Data Science, and Regulatory Compliance** (Parsa Mirhaji, Selvin Soby, Erin Henninger, Chandra Nelapatla, Manuel Wahle, Boudewijn Aasman, Eran Belin)

**ohdsitargets - An R package for building OHDSI study pipelines using targets** (Adam Black, Martin Lavallee, Asieh Golozar, Gregory Klebanov)

**OmopPopEpi: An R package to compute population-level incidence and prevalence using the OMOP common data model** (Marta Catala, Berta Raventas, Mike Du, Yuchen Guo, Xintong Li, Ross Williams, Talita Duarte Salles, Daniel Prieto Alhambra, Edward Burn)

**PHOEBE 2.0: selecting the right concept sets for the right patients using lexical, semantic, and data-driven recommendations** (Anna Ostropolets, George Hripcsak, Patrick Ryan)

**REal World Assessment and Research of Drugs (REWARD): presenting an open-source package for Population-level effect estimation at the scale of all outcomes by all exposures** (James Gilbert)

**Simple and practical EMR to OMOP CDM ETL tool** (Pieter-Jan Lammertyn, Stijn Dupulthys, Louise Berteloot, Peter De Jaeger, Kim Denturck, Nathalie Mertens)

**Standardizing Knowledge of Drug Effects: An Application of PheKnowLator for Drug Safety** (Tiffany J. Callahan, Patrick B. Ryan, George Hripcsak)

**Strategus: Marching towards transparent, reproducible research** (Anthony G. Sena, Christopher Knoll, James Gilbert, Jenna Repts, Frank DeFalco, Clair Blacketer, Anthony Molinaro, Joshua Ide, Patrick Ryan, Martijn Schuemie)

**The OHDSI Community Dashboard: Tracking the Health and Impact of the Open Science Observational Health Data Sciences and Informatics Community** (Star Liu, Asieh Golozar, Jody-Ann McLeggon, Adam Black, Paul Nagy)

**Understanding circe-be logic through Capr for generating complex cohort definitions** (Martin Lavallee, Adam Black and Asieh Golozar)

**Using dbt - a free and open-source software - to transform data into OMOP CDM in the ETL process** (Thanapat Pitchayarat, Gun Pinyo, Watcharaporn Tanchotsrinon, Somkid Khamsrimuang, Chalita Issarasittiphap, Chaiyanun Bootnumpech, Noppon Siangchin, Kanphitcha Promma, Nattachai Bovornmongkolsak, Prapat Suriyaphol, Natthawut Adulyanukosol)

**Vocabulary Versioning: Tracking Concepts over Time Software Demonstration** (Tom Seinen, Peter Rijnbeek)