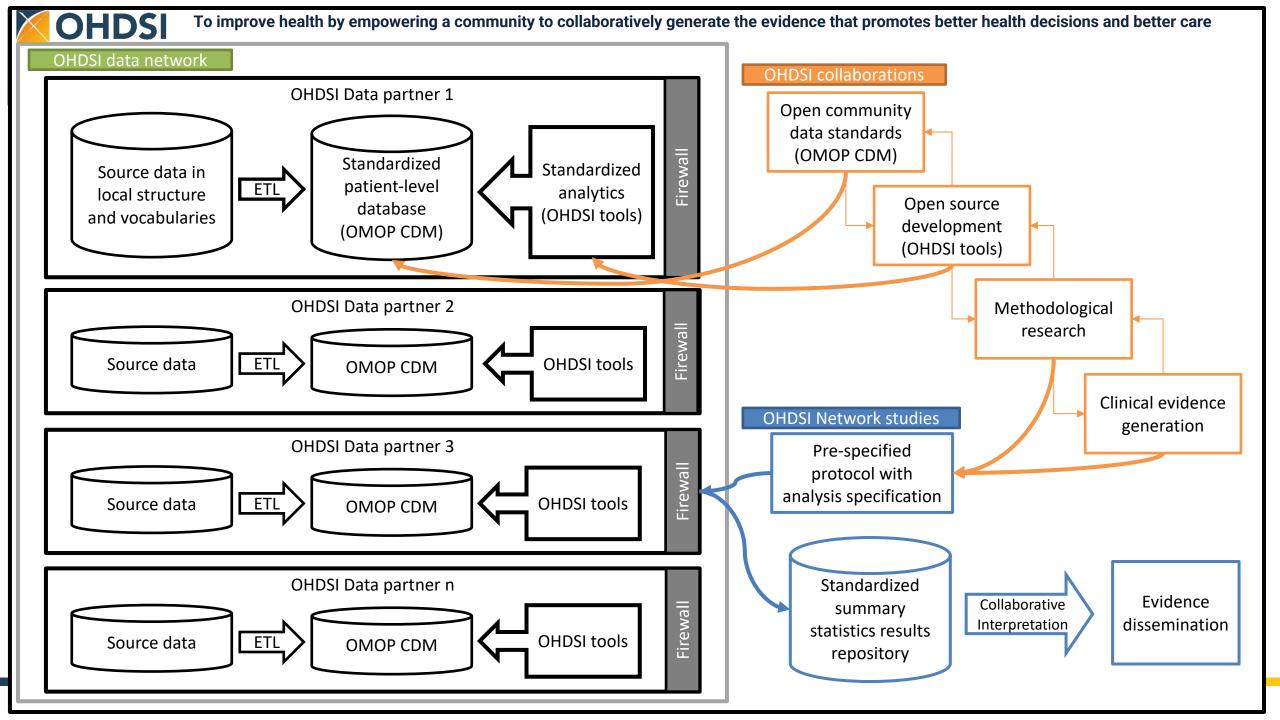


OHDSI in 2024: Where can we go together?

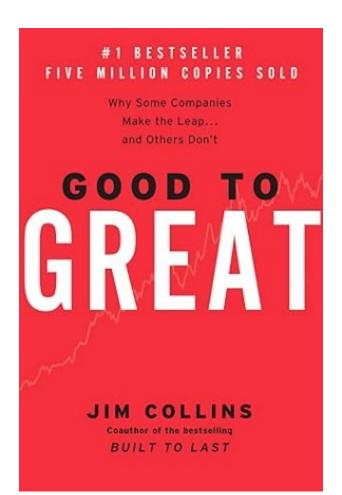


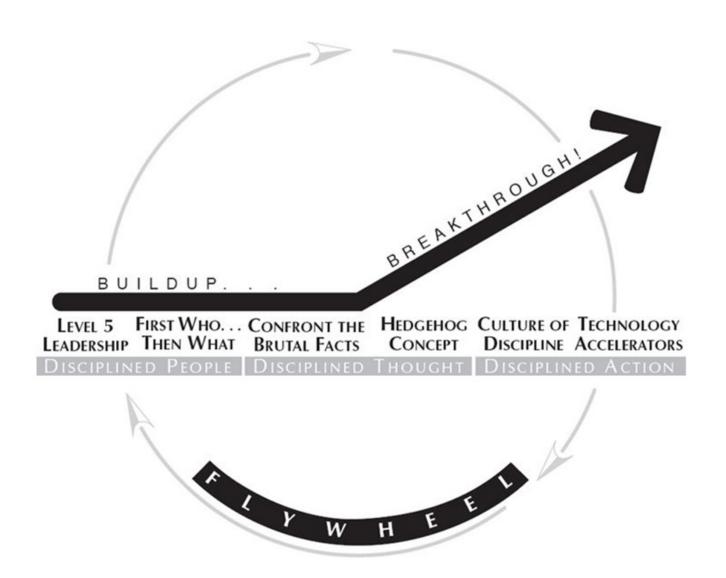
OHDSI's mission

To improve health by empowering a community to collaboratively generate the evidence that promotes better health decisions and better care













Large-Scale Evidence Generation and Evaluation in a Network of Databases (LEGEND)

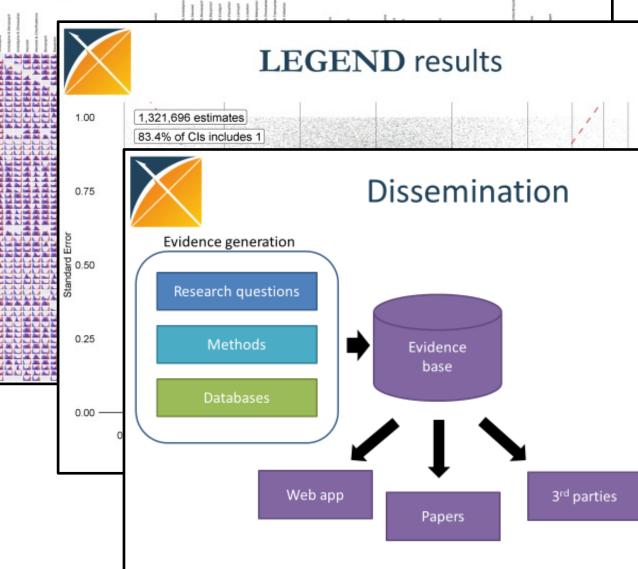
Patrick Ryan, Martijn Schuemie, Marc Suchard on behalf of the LEGEND team OHDSI Symposium 12 October 2018

https://www.youtube.com/watch?v=so5gsCl7CU4





Not all comparisons are valid







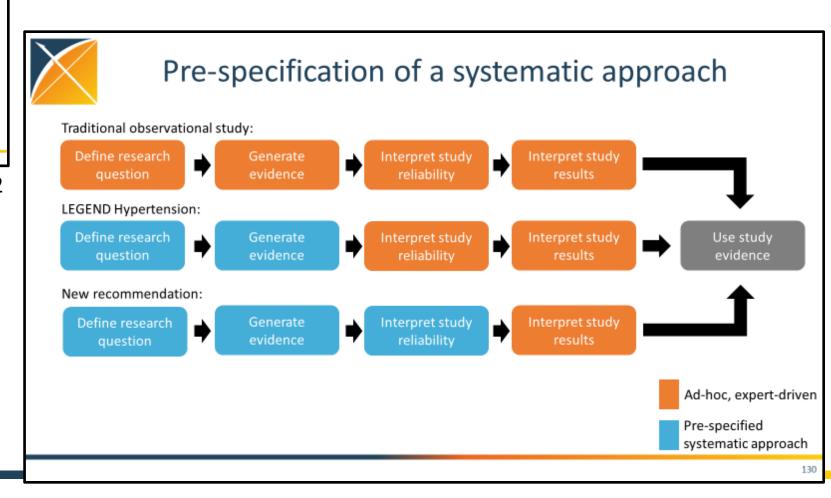
Objective Diagnostics: A pathway to provably reliable evidence

Martijn Schuemie Observational Health Data Analytics, Johnson & Johnson Biostatistics, UCLA

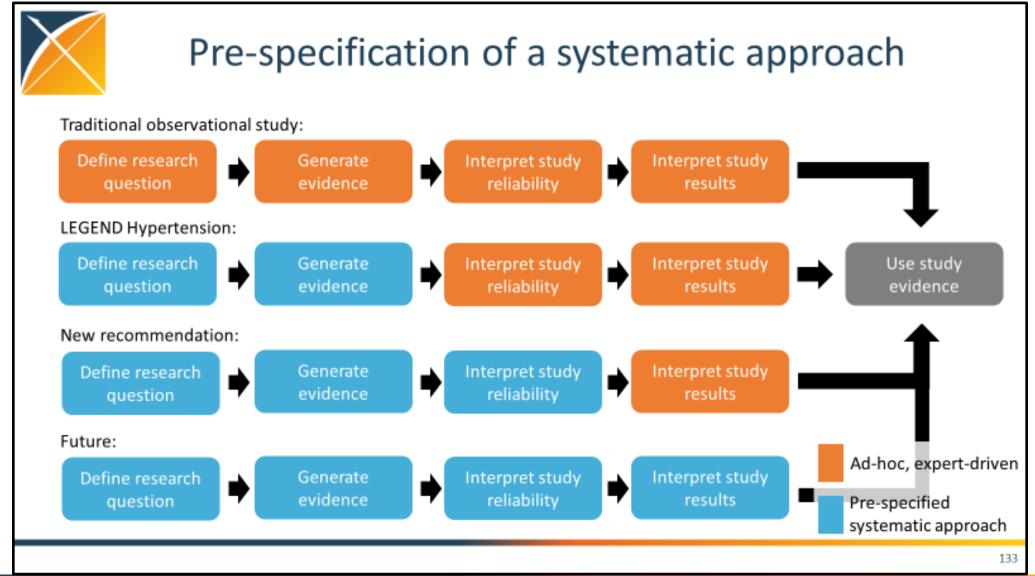
OHDSI Symposium 2022



https://www.youtube.com/watch?
v=DJZP5z6r-QE











OHDSI Symposium 2023

https://www.youtube.com/watch?
v=jNrCMyXkg9c

"I think as a community we have done an amazing job in standardization, standardization through a common data model, standardization of tools that will execute this data model, and it makes these types of studies much easier...

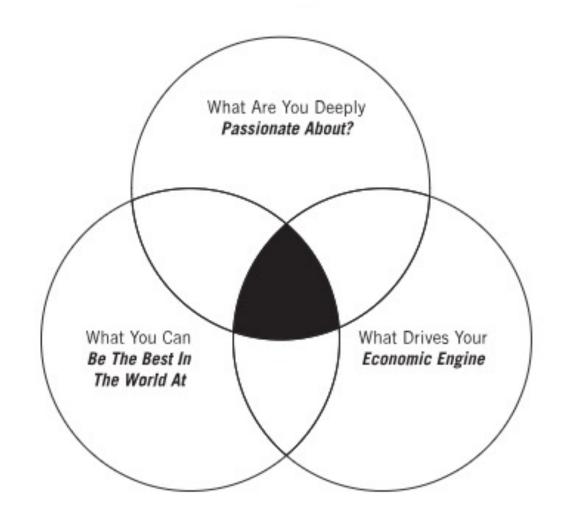
We have **abjectly failed** on the next step, and that's providing standardized tools that allow us to synthesize and then deliver this evidence in a way that's actionable not only in our community, but across healthcare and clinical practice in general."



#1 BESTSELLER FIVE MILLION COPIES SOLD Why Some Companies Make the Leap... and Others Don't GOOD TO JIM COLLINS Coauthor of the bestselling

BUILT TO LAST

Three Circles of the Hedgehog Concept





When poll is active respond at **PollEv.com/patrickryan800**



What Are We Deeply Passionate About?

Nobody has responded yet.

Hang tight! Responses are coming in.



Exercise

- Name a drug that we think patients deserve reliable evidence about
- Name an adverse event that we think patients deserve reliable evidence about

- Do patients deserve to know:
 - What is the incidence of <u>adverse event</u> amongst new users of <u>drug</u>?
 - Does exposure to <u>drug</u> cause <u>adverse event</u>?
 - What is the probability that I have <u>adverse event</u> after initiating <u>drug</u>, given my medical history?



Large-scale analysis

- Characterization
 - HowOften: https://results.ohdsi.org/app/08_HowOften_George
 - Comparator selector: https://data.ohdsi.org/ComparatorSelectionExplorer/
- Patient-level Prediction
 - WhatIlhappentome: https://results.ohdsi.org/app/04 WhatIlHappenToMe
- Population-level Estimation
 - LEGEND results:
 - Hypertension: https://data.ohdsi.org/LegendBasicViewer/
 - Type 2 diabetes: https://data.ohdsi.org/LegendT2dmClassEvidenceExplorer/
 - LEGEND Med Central: https://data.ohdsi.org/LegendMedCentral/



Evidence dissemination opportunities

- Standardized output of analytics
 - Finalize/document Strategus results model to enable generation of:
 - Protocol
 - Results tables and graphs
 - Publication
 - Develop/test alternative dissemination models
 - Interactive visualizations (Rshiny)
 - Periodic reports/presentations for key stakeholders
- Disseminate more evidence!



Workgroups



- 2024 Objectives and Key Results by end of January
- All workgroups will present on a community call in February to encourage participation



Breadth and depth: where can OHDSI make an impact?

- Anesthesiology
- Cardiology
- Dermatology
- Digestive/liver disease
- Emergency Medicine
- Endocrinology
- Hematology
- Infectious disease
- Neurology
- Nephrology
- Obstetrics/Gynecology
- Oncology

- Ophthalmology
- Otolaryngology
- Orthopedic surgery
- Palliative care
- Pediatrics
- Pulmonary
- Psychiatry
- Rheumatology
- Radiology
- Rehabilitation and regenerative medicine
- Surgery
- Urology



Community collaboration events

In-person events:

• OHDSI Europe, Rotterdam, NL, June 1-3

OHDSI Global, New Brunswick, NJ, USA, October 22-24

• OHDSI APAC, Singapore, December 6-9



When poll is active respond at **PollEv.com/patrickryan800**



What collaboration activities should we pursue in 2024 together?

Nobody has responded yet.

Hang tight! Responses are coming in.





Support The Journey

OHDSI Sponsorship Helps Provide A Foundation For Our Global Research Efforts

The OHDSI Central Coordinating Center provides support for our open-source community and its mission to improve health by empowering a community to collaboratively generate the evidence that promotes better health decisions and better care. OHDSI collaborates in all aspects of the journey from data to evidence, including open community data standards, open-source software development, open methodological research, and open network clinical research.

Collectively, thousands of OHDSI collaborators contribute their time and expertise to the community to advance the mission.

The OHDSI central coordinating center assumes the costs associated with central infrastructure and community coordination, which currently exceeds \$1 million/year.

