



# Connections for Future Collaborations

**OHDSI Community Call**  
**Jan. 20, 2026 • 11 am ET**



# Upcoming Community Calls

Date	Topic
Jan. 20	Connections for Future Collaborations
Jan. 27	Education and Innovation Brainstorm
Feb. 3	2026 Workgroup Objectives & Key Results, Part 1
Feb 10	2026 Workgroup Objectives & Key Results, Part 2



# Three Stages of The Journey

**Where Have We Been?**

**Where Are We Now?**

**Where Are We Going?**



# OHDSI Shoutouts!



The team of **Hsin Yi Chen, Thomas Falconer, Anna Ostropolets, Tara V Anand, Xinzhuo Jiang, David Dávila-García, Linying Zhang, Ruochong Fan, Hannah Morgan-Cooper, Marc A Suchard, and George Hripcak** recently posted the study **Heterogeneity of Treatment Effects Across Nine Glucose-Lowering Drug Classes in Type 2 Diabetes: Extension of the LEGEND-T2DM Network Study** on a preprint server. Community input is appreciated.

**medRxiv**

THE PREPRINT SERVER FOR HEALTH SCIENCES

[Follow this preprint](#)

**Heterogeneity of Treatment Effects Across Nine Glucose-Lowering Drug Classes in Type 2 Diabetes: Extension of the LEGEND-T2DM Network Study**

✉ Hsin Yi Chen, Thomas Falconer, ✉ Anna Ostropolets, Tara V. Anand, Xinzhuo Jiang, ✉ David Dávila-García, Linying Zhang, Ruochong Fan, Hannah Morgan-Cooper, Marc A. Suchard, George Hripcak

doi: <https://doi.org/10.4898/2026.01.06.26343548>

This article is a preprint and has not been peer-reviewed [what does this mean?].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

## ABSTRACT

**Aims/Hypothesis** Understanding heterogeneous patient responses to various glucose-lowering therapies is crucial for advancing personalized treatment approaches and optimizing outcomes for type 2 diabetes mellitus. While average treatment effects are known for many drug classes, patient responses may differ by underlying clinical and demographic factors. We hypothesize that major glucose-lowering drug classes exhibit heterogeneous treatment effects (HTE) across patient subgroups defined by key clinical and demographic characteristics.



# 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	12 pm	CDM Vocabulary Subgroup
Wednesday	7 am	Medical Imaging
Wednesday	8 am	Psychiatry
Wednesday	10 am	Common Data Model
Wednesday	1 pm	Perinatal & Reproductive Health
Wednesday	4 pm	Electronic Animal Health Records
Thursday	9:30 am	Network Data Quality
Thursday	7 pm	Dentistry
Friday	10 am	Transplant
Friday	10 am	GIS – Geographic Information System
Friday	11 am	Clinical Trials
Friday	11:30 am	Steering
Tuesday	9 am	Oncology Genomic Subgroup
Tuesday	9 am	Open EHR and OMOP
Tuesday	9 am	Data2Evidence



# 2026 Global Symposium

## 2026 OHDSI Global Symposium Call for Plenary Sessions

Symposium plenaries provide opportunities to share innovative, community-developed content to empower researchers to generate reliable real-world evidence. The community is currently seeking proposals for our #OHDSI2026 plenaries. These sessions will be 60 minutes in duration and must touch on at least two of following pillars of our community:

- Open community data standards
- Methodological research
- Open-source development
- Clinical applications

Plenary sessions must also involve three or more on-stage participants across at least two organizations. Sessions may include a combination of keynote talks, panel discussions, interactive activities, and more. We strongly encourage using multiple formats and synthesizing completed research, current perspectives and future calls-to-action to maximize community engagement.

The deadline for proposal submissions is January 30, 2026. Please use the link below to submit your proposal by answering the following questions:

- Name(s) of plenary session organizers:
- Your email address(es):
- Short (2,500 character max) description / abstract of your proposed session:
- Which pillars are you targeting:
- One sentence “pitch” of your session to excite the community:
- Names and roles of individuals who have tentatively agreed to participate in your session:

**Deadline to submit  
proposals for #OHDSI2026  
plenaries or tutorials is  
Jan. 30, 2026!**

Who We Are ▾ Updates & News ▾ Standards Software Tools ▾ Network Studies ▾ Community Forums ▾ Education ▾ New To OHDSI? ▾  
Community Calls ▾ Past Events ▾ Workgroups ▾ Tutorials 2025 'Our Journey' Annual Report Current Events ▾ Support & Sponsorship  
2025 Global Symposium ▾ 2025 APAC Symposium ▾ GitHub YouTube X/Twitter LinkedIn Newsletters ▾



## 2026 OHDSI Global Symposium

Oct. 20-22 • New Brunswick, N.J. • Hyatt Regency Hotel

## 2026 OHDSI Global Symposium Call for Tutorials

Tutorial sessions aim to deliver educational content, led by community members who wish to train our global collaborators on scientific, technical, and other skills that can support advancing OHDSI's mission and the effective use of real-world data and the generation and dissemination of reliable real-world evidence. Examples of prior tutorials offered are provided here: <https://www.ohdsi.org/tutorials>.

Tutorial sessions are 4 hours in duration. Registrants for your tutorial will be requested to pay a registration fee. The fees will be used to offset the costs of the symposium and other OHDSI expenses. Sessions may include a combination of talks, interactive activities, and more. We strongly encourage using multiple formats to maximize community engagement. Your session must include at least three people from at least two different organizations.

The deadline for tutorial proposal submissions is January 30, 2026. Please use the link below to submit your proposal by answering the following questions:

- Name(s) of tutorial session organizers:
- Your email address(es):
- Short (2,500 character) description / abstract of your proposed session:
- Names and roles of individuals who have tentatively agreed to participate in your session:



# 2026 Europe Symposium

The 2026 OHDSI Europe Symposium returns to Rotterdam next year and will be held **April 18-20**.

The deadline for abstract submissions will be Feb. 6, 2026.





# 2026 Europe Symposium

Time	Symposium Agenda - Monday April 20, 2026		Location
8:00	<b>Registration and Coffee</b>		Queen's Lounge
9:00	<b>Welcome to OHDSI Europe</b> <u>Dr. Renske Los</u> , Department of Medical Informatics, Erasmus MC <u>Dr. Aniek Markus</u> , Department of Medical Informatics, Erasmus MC		Theatre
9:05	<b>Journey of OHDSI</b> <u>Prof. Peter Rijnbeek</u> , Chair Department of Medical Informatics, Erasmus MC		Theatre
9:30	<b>Collaborator Showcase - part 1</b> Moderated by <u>Dr. Egill Fridgeirsson</u> , Department of Medical Informatics, Erasmus MC		12:15 <b>Lunch break &amp; networking &amp; posters/demo's</b> (Early investigator meeting - 13:00-13:45 Queen's Lounge)      La Fontaine & Odyssee Room
10:00	<b>Speed networking</b>		13:45 <b>From dreams to reality</b> <u>OHDSI Titan Award winners</u> Theatre
10:15	<b>Coffee Break &amp; posters National Nodes</b>	Queen's Lounge	14:30 <b>Propositions for collaboration from the National Nodes</b> <u>National Node leads</u> Theatre
11:15	<b>Collaborator Showcase - part 2</b> Moderated by <u>Dr. Egill Fridgeirsson</u> , Department of Medical Informatics, Erasmus MC		14:45 <b>Coffee break &amp; posters/demo's</b> La Fontaine & Odyssee Room
11:45	<b>Dreaming about the OHDSI journey ahead</b> <u>Dr. Patrick Ryan</u> , Vice President, Observational Health Data Analytics, Johnson & Johnson <u>Dr. Renske Los</u> , Department of Medical Informatics, Erasmus MC		16:15 <b>The OH Factor</b> <u>To be announced</u> Theatre
			17:00 <b>Closing</b> Theatre
			17:15 <b>Networking reception</b> Queen's Lounge



# ATHENA Survey

## Athena user survey

Help us understand how to make Athena better

When you submit this form, it will not automatically collect your details like name and email address unless you provide it yourself.

\* Required

1. If you are open to follow-up about your feedback, please provide your email address

Enter your answer

2. How do you use [athena.ohdsi.org](https://athena.ohdsi.org)? \*

- Search concepts
- Download current version of vocabularies
- Download previous version of vocabularies
- Other

3. What do you [athena.ohdsi.org](https://athena.ohdsi.org) for? \*

- ETL data
- Search concepts to create mappings
- Search concepts for concept sets (value sets, code lists)
- Translate concepts to other languages/find translations
- Use as knowledge graph outside of OMOP CDM
- Other

4. On average, how often do you access [athena.ohdsi.org](https://athena.ohdsi.org)? \*

- Every day
- Once a week
- A few times a month
- Once a month
- Once 6 month or less
- Other

5. If there was an Athena API, how would you use it and what would you use it for? \*

Enter your answer

6. Anything else you'd like to tell us? \*

Enter your answer

You can print a copy of your answer after you submit

Submit



# Spotlight: Swetha Kiranmaya Jakkula





# Columbia DBMI Summer School

## The 2026 Summer School in Observational Health Data Science & Informatics, AI, and Real World Evidence

June 22–26, 2026, Columbia Biomedical Informatics

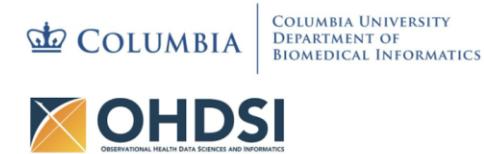
The Columbia OHDSI Summer School provides health professionals, researchers, and industry practitioners with an immersive, hands-on training to working with real-world health data and generating real-world evidence (RWE). Participants will explore the types of healthcare data captured during routine clinical care—such as electronic health records and administrative claims—and learn how to standardize these data using the OMOP Common Data Model to support collaborative, distributed research as part of a data network.

Over the course of the week, participants will engage with three real-world analytic use cases:

- **Clinical characterization** – using descriptive epidemiology to study disease natural history and treatment patterns
- **Population-level estimation** – applying causal inference to assess drug safety and comparative effectiveness
- **Patient-level prediction** – leveraging machine learning for early disease detection and precision medicine

Participants will be guided through the full RWE study lifecycle: from designing observational studies tailored to each use case, to applying open-source tools from the [OHDSI community](#), and executing analyses across real-world data sources.

The curriculum combines foundational lectures on analytical methods with hands-on, interactive, faculty-led group exercises. In addition, participants will have dedicated time to develop and advance their own study concepts with personalized feedback and mentoring.





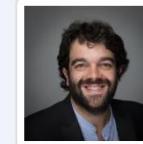
# Oxford Summer School Registration Opens

## Oxford Summer School 2026: Real World Evidence using the OMOP Common Data Model

### COURSE DIRECTORS

**Daniel Prieto-Alhambra**

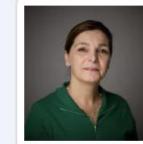
Professor of Pharmaco- and Device Epidemiology



### COURSE ADMINISTRATOR

**Mahkameh Mafi**

Personal Assistant to Professor Prieto-Alhambra



# Oxford Summer School

## 2026

***Real world evidence using the  
OMOP Common Data Model***

Early bird registration will open on 2 December 2025



**NDORMS**  
NUFFIELD DEPARTMENT OF ORTHOPAEDICS,  
RHEUMATOLOGY AND MUSCULOSKELETAL SCIENCES





# Monday

# OHDSI India Digital Health CoE and National Registry Pilots

(Swetha Kiranmayi Jakuva, Parthiban Sulur, Louis Hendricks, Vikram Patil, Anurag Agrawal, Rintu Kutum)

OHDSI Digital Health CoE and National Registry Pilots in India

PRESENTER:  
Dr.Swetha Kiranmayi J



Be A Collaborator

[www.ohdsi.org](http://www.ohdsi.org)

## OHDSI Digital Health CoE and National Registry Pilots in India

### OHDSI Powered Digital Health CoE

#### Purpose

Unlock large-scale health data to enable real-world data (RWD) generation and real-world evidence (RWE) research in India

#### Objective

- Align with National Digital Health Mission (ABDM)
- Connect with OMOP CDM and FHIR ecosystem
- Patient Registries & Analytics
- Enable interoperability of patient data for seamless Analytics
- Collaborative-specific health initiatives
- Engage policymakers effectively
- Collaborate on government-led health initiatives

**Developed & Funded** - Global Value Web (GVW)

**Site** - JSS Academy of Higher Education and Research (JSS AHER), Mysuru

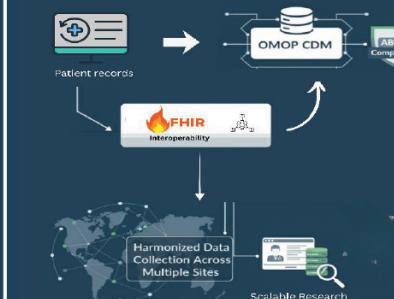
### CVD Patient Registry

#### Purpose

Build a digital, interoperable CVD registry to support patient care, data insights, and real-world research aligned with national priorities.

#### Objective

- Implement OMOP CDM as the data model
- Capture comprehensive longitudinal patient data
- Enable standardized analysis and interoperability across healthcare



Initiatives

1. NLP-powered clinical insights from breast cancer discharge summaries – Dr. Vikram Patil, Dean, JSS

2. Pediatric immunology characterization study – Dr. Sagar, Pediatric, Aster

3. Centre of Excellence on Digital Health in India – Dr. Rintu Kutum, faculty, Ashoka University

4. Development of focused patient registries in key therapeutic areas- Louis Hendriks, CEO, GVW

5. OMOP-ABDM FHIR integration workgroup in progress areas- Parthiban, Director, GVW

6. Certified training sessions for OHDSI India collaborators are underway- areas- , Dr.Swetha J, Service Leader ,GVW



contact@ohdsi.org

**OHDSI**  
INDIA



**GVW**  
GLOBAL VALUE WEB







# Wednesday

# Quantifying EHR

# Continuity in the

# All of Us Research

# Program

(Lina Sulieman, Xinzhuo Jiang, Karthik Natarajan)

## #OHDSISocialShowcase This Week

### Quantifying EHR Continuity in the All of Us Research Program

PRESENTER: Lina Sulieman

#### INTRODUCTION:

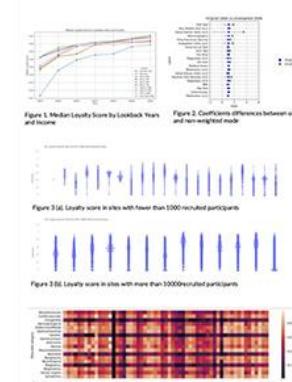
- EHR data missingness, especially when collected from multiple sites:
  - Bias analysis
  - Affect study results reproducibility
- Loyalty score: I2b2 algorithm quantifying EHR continuity and completeness metric that quantifies the existence of routine clinical care using one year data
- Objective:
  - Converting loyalty score to OMOP
  - Applying loyalty score on All of Us

#### METHODS

- Mapping preventive care concepts terms to OMOP
- From All of Us 8<sup>th</sup> released dataset:
  - Extracting variables 1-7 years
  - Three models: original and retrained non-weighted, and weighted models
  - Sensitivity for numbers of years used in data extraction
  - Performance: AUC, precision-recall curve, Brier score, expected calibration error

#### RESULTS

- Choosing 5 years look back

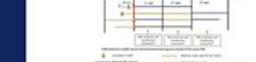


Loyalty score can measure EHR continuity, using preventive care events, in OMOP multi-site repositories and studies. Loyalty scores can identify sites with missing documentation of preventive care. Score variability across demographics reflects disparities in healthcare access and utilization

#### AMMO BAR

- Variables in loyalty score from 64 sites:

Sex, mammography, pap smear, prostate-specific antigen test, colonoscopy, fecal occult blood test, influenza vaccine, pneumococcal vaccine, body mass index, A1C, prescribed one medication, prescribed two medications, general medical exam, and emergency visits

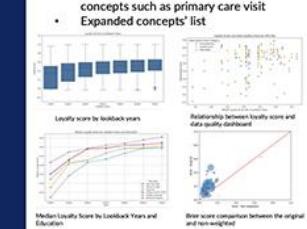


#### Models:

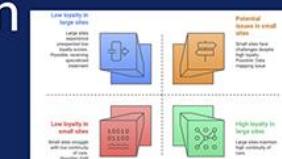
- Original: original coefficients
- Non-weighted: forecast the likelihood of a nest year visit using all sites
- Weighted: forecast the likelihood of a visit in the next year and apply sample weights based on site size
- Using 1-7 years for data extraction since some preventive care not annual

#### Dataset description:

- 426,438 participants with EHR data, 60.69% were female, 54.42% were white
- I2b2 to OMOP Mapping issues:
  - Corrected concepts for PSA, pap smear, and influenza: mapped to general concepts such as primary care visit
  - Excluded concepts' list



Lina Sulieman, PhD<sup>1</sup>, Xinzhuo Jiang, MS<sup>2</sup>, Karthik Natarajan, PhD<sup>2</sup>  
<sup>1</sup>Vanderbilt University Medical Center, Nashville, TN; <sup>2</sup>Columbia University Irving Medical Center, New York, NY



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Biomedical Informatics

All of Us  
DATA & RESEARCH CENTER OHDSI



# #OHDSISocialShowcase This Week

## Thursday

# OMCP: Model Context Protocol Servers for the OMOP Common Data Model

(Shihao Shenzhang, Niko Möller-Grell, Zhangshu Joshua Jiang, Richard Dobson, Vishnu V Chandrabalan)

**OMCP: Model context protocol servers for the OMOP Common Data Model**

Shihao Shenzhang<sup>1</sup>, Niko Möller-Grell<sup>1</sup>, Zhangshu Joshua Jiang<sup>2</sup>, Richard Dobson<sup>1,2,3,4,5</sup>, Vishnu V Chandrabalan<sup>3,7</sup>

<sup>1</sup> Department of Biostatistics and Health Informatics, Institute of Psychiatry, Psychology and Neuroscience (Kings), King's College London, London, UK, <sup>2</sup> Institute for Health Informatics, University College London, London, UK, <sup>3</sup> Wellcome Research Centre, University College London, London, UK, <sup>4</sup> Wellcome Research Centre, University College London, London, UK, <sup>5</sup> Wellcome Research Centre, University College London, London, UK, <sup>6</sup> Maudsley National Health Service Foundation Trust and King's College London, London, UK, <sup>7</sup> Lancashire Teaching Hospitals NHS Foundation Trust, Lancaster, UK

**BACKGROUND**

**1 OMOP CDM**

- A global standard for real-world evidence (RWE) generation.
- Harmonizes EHR data into a relational structure.
- Uses standardised ontologies.
- Adopted in the UK by NHS England SDE and HERON.

**2 PROBLEM**

- Extracting insights still requires advanced SQL/R expertise.
- Existing LLM tools (Claude, Code, Cursor, Codex) are not designed for RWE data.
- There are no privacy-preserving OMOP solutions.

**3 MCP**

- Introduced by Anthropic in November 2024.<sup>7</sup>
- Open standard enabling LLMs to use external tools.<sup>3</sup>
- Supports Agentic workflows via LangChain or Google's A2A.

**4 OBJECTIVE**

1. Enabling real-time natural language queries for OMOP, while supporting on-demand analytics.
2. Rapid insight generation without SQL skills, while keeping flexibility for advanced analyses.

**RESULTS**

**Model performance by query type**

Query Type	Claude 3.7 Sonnet	qwen2.5-coder-14b	cogito14b
Basic Counts	100%	67%	33%
Date/Time Formats	100%	100%	50%
Complex Distributions	90%	70%	50%

**Basics Counts:** e.g. number of patients with at least 1dx and 1rx.  
**Date/Time Formats:** e.g. number of persons by death month.  
**Complex Distributions:** e.g. number of persons by year of birth.

**Execution Flow**

1. The user asks in natural language, for example, "Give me the number of patients with diabetes." 2. The Client sends the query to the OMCP-Server and calls the SQL-Server. 3. The OMCP-Server translates the query into SQL. 4. The SQL-Server retrieves the concept ID associated with diabetes from the vocabulary DB and then generates the query. 5. The OMCP-Server sends the query to the SQL-Server. 6. The SQL-Server returns the data to the Client.

**Python Execution Sandbox - Server**

An isolated environment that allows the execution of code developed in Python.

**R Execution Sandbox - Server**

An isolated environment that allows the execution of code developed in R.

**SQL - Server**

1. Built with open-source Python libraries and tested on a synthetic OMOP database. 2. SQLGlot handled syntactic and semantic validation, controlling query execution and surface errors.<sup>18</sup> 3. Syntactic checks blocked invalid queries, lowering execution costs in cloud systems and reducing potential interoperability risk. 4. Semantic checks prevented harmful operations (e.g., INSERT, TRUNCATE), enforced access controls, and safeguarded data. 5. SQLGlot and its enabled SQL transpilation, providing data-frame-style semantics across multiple backends.<sup>18</sup>

**SQL-Server Low-level architecture**

Layer 1: [SQLGlot] Syntactic Validation. Checks the syntax and correctness of the query. Layer 2: [SQLGlot] Semantic Validation. Ensures the query is accurate, for valid tables or include commands (e.g., INSERT, UPDATE, etc.). Layer 3: [SQLGlot] Query Transpilation. Converts the query into the target database flavour (e.g., MySQL, PostgreSQL,...). Layer 4: query Execution. Connects to the target OMOP database and executes the query.

**References**

1. Shihao Shenzhang, Niko Möller-Grell, Zhangshu Joshua Jiang, Richard Dobson, Vishnu V Chandrabalan. OMCP: Model context protocol servers for the OMOP Common Data Model. *OHDSI Journal*. 2024; 2(1):1-10. DOI: 10.5281/zenodo.7500000. URL: <https://doi.org/10.5281/zenodo.7500000>. Published online 2024 Jan 15. Last updated 2024 May 8. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/10203863/>. Last updated: 2024 May 8. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/10203863/>.

**Acknowledgements**

This work was funded by the UK Engineering and Physical Sciences Research Council (EPSRC) [EP/V002916/1], Centre for Doctoral Training in Data-Driven Health (DRIVE-Health) at King's College London, and additional support from the National Institute for Health and Care Research (NIHR) Maudsley Biomedical Research Centre (BRC) [NIHR200386] and Lancaster Teaching Hospitals NHS Foundation Trust. The views expressed are those of the author(s) and not necessarily those of the NHS, the Department of Health and Social Care, or Lancaster Teaching Hospitals NHS Foundation Trust.

**CONCLUSIONS**

1. OMCP empowers clinicians without technical skills to query OMOP databases using natural language, as well as accelerating the researchers' work.
2. OMCP lets OMOP connect local LLM frameworks (e.g., OMCP-A2A) to data securely, reducing risks of sensitive leakage to commercial APIs.
3. OMCP-SQL blocked unsafe queries across all models, but performance varied. Claude Sonnet excelled with consistent, accurate SQL, while local models struggled with retries and alignment, highlighting current limits of on-device LLMs for complex biomedical tasks.

**LIMITATIONS**

We recognise that organisational governance may restrict direct use of OMCP-SQL. To improve adoption, the tool is designed for safe local deployment with built-in safeguards, and future work will focus on providing clearer compliance guidance to support institutional uptake.

1. We acknowledge that a larger sample would strengthen generalisability, and we are currently building a broader evaluation framework to systematically extend this work across ACHILLES and other OHDSI query libraries.



# #OHDSISocialShowcase This Week

## Friday

### Comparative Effectiveness of Ticagrelor vs. Prasugrel in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention

(Chang Hoon Han, Ben S. Gerber, Marc A. Suchard, Michael E. Matheny, Jitendra Jonnagaddala, Christophe G. Lambert, Justin M. Petucci, Anna Ostropolets, Clair Blacketer, Thamir M Alshammary, Behnood Bikdeli, Seng Chan You)

**Comparative Effectiveness of Ticagrelor vs. Prasugrel in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention**

BY PRESENTER: Chang Hoon Han

#### INTRO

- In acute coronary syndrome (ACS) patients undergoing percutaneous coronary intervention (PCI), Ticagrelor vs. Prasugrel remains inconclusive.
- ISAR-REACT 5 trial unexpectedly favored prasugrel, leading ESC to recommend it first-line, but ACC/AHA continues to recommend either.
- This discrepancy between guidelines highlights the need for rigorous real-world comparative evidence.

#### METHODS

##### Data Sources

- EHR in the US, and Korean national claims (HIRA) in OMOP-CDM

##### Study Population

- Adults  $\geq 18$  with ACS undergoing PCI, initiating ticagrelor or prasugrel.
- Exclusions: Prior stroke, GI bleeding, oral anti-coagulants within 6 months

##### Outcomes

- Primary:** 1-Year major adverse cardiovascular events (MACE) (composite of stroke, AMI, and all-cause mortality)
- Secondary:** Net adverse clinical events (NACE), ischemic events, hemorrhagic events, cardiovascular mortality, and components of composite outcomes

##### Statistical Analysis

- Cox proportional hazards models after propensity score (PS) stratification

##### Sensitivity Analyses

- 1-month/3-month/As-treated
- PS 1:1 matching

In this multinational OHDSI study, no significant difference was observed in 1-year MACE between ticagrelor vs. prasugrel. Further real-world investigation is warranted.

Table 1. Databases and diagnostics

Database	Ticagrelor cohort (N)	Prasugrel cohort (N)	Max SDM	Equipoise	EASE	Inclusion
HIRA	90101	15919	0.08 ✓	39% ✓	0.02 ✓	Yes
UNM-CCAE	3645	3020	0.03 ✓	84% ✓	0.13 ✓	Yes
UNM-MDCR	1008	548	0.32	73% ✓	0.08 ✓	No
UMMHC	1164	189	0.64	53% ✓	0.58	No
PSH	135	25	0.65	NA	0.75	No

Figure 1. Primary outcome: 1-year MACE (PS stratification)

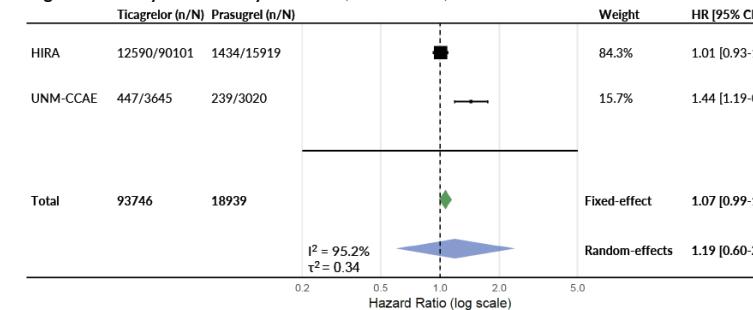


Figure 2. Sensitivity analyses (Random-effects)

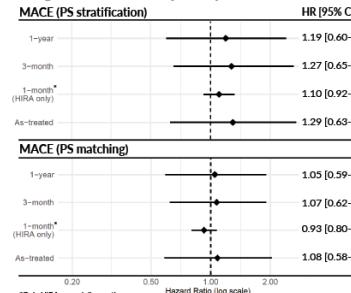
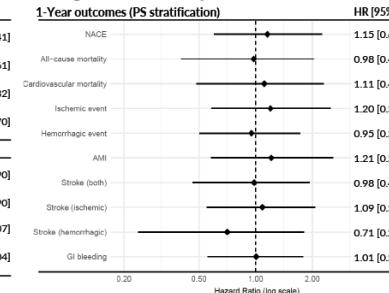


Figure 3. Secondary outcomes (Random-effects)



#### Diagnostics

- For each analysis, databases that pass diagnostics are included.
- Max standardized difference of means (SDM)  $< 0.1$  after PS adjustment
- Empirical equipoise  $\geq 20\%$
- Expected Absolute Systematic Error (EASE)  $< 0.25$

#### Meta-analysis

- Bayesian random-effects meta-analysis

#### RESULTS

- 2 databases (HIRA, UNM-CCAE) passed diagnostics. (Table 1)
- Total of 112,685 patients were included
- No significant difference was observed in 1-year MACE (Figure 1), consistent across sensitivity analyses (Figure 2)
- Secondary outcomes did not reveal significant difference. (Figure 3)

#### CONCLUSION

- Ticagrelor vs. prasugrel showed no clear difference in effectiveness and safety.
- Only 2 databases were included with high heterogeneity, limiting certainty of results.
- Further real-world investigation with broader population is warranted.

Chang Hoon Han<sup>1</sup>, Ben S. Gerber<sup>2</sup>, Marc A. Suchard<sup>3</sup>, Michael E. Matheny<sup>4</sup>, Jitendra Jonnagaddala<sup>5</sup>, Christophe G. Lambert<sup>6</sup>, Justin M. Petucci<sup>7</sup>, Anna Ostropolets<sup>8,9</sup>, Clair Blacketer<sup>7</sup>, Thamir M Alshammary<sup>10</sup>, Behnood Bikdeli<sup>11,12,13</sup>, Seng Chan You<sup>1</sup>

<sup>1</sup>Yonsei University College of Medicine, Korea

<sup>2</sup>Massachusetts General Hospital, USA

<sup>3</sup>UC Berkeley School of Public Health, University of California, USA

<sup>4</sup>Vanderbilt University Medical Center, USA

<sup>5</sup>School of Population Health, University of New South Wales, Australia

<sup>6</sup>University of New Mexico Health Sciences Center, USA

<sup>7</sup>Institute for Computational and Data Sciences, Pennsylvania State University, USA

<sup>8</sup>Columbia University Irving Medical Center, USA

<sup>9</sup>Johnson & Johnson, LLC, USA

<sup>10</sup>College of Pharmacy, Jazan University, Saudi Arabia

<sup>11</sup>B Brigham and Women's Hospital, Harvard Medical School, USA

<sup>12</sup>Center for Outcomes Research and Evaluation (CORE), Yale University School of Medicine, USA

<sup>13</sup>Cardiovascular Research Foundation, USA





# 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?**



**The weekly OHDSI community call is held  
every Tuesday at 11 am ET.**

**Everybody is invited!**

**Links are sent out weekly and available at:  
[ohdsi.org/community-calls-2025](http://ohdsi.org/community-calls-2025)**