

Holiday Farewell to 2025

OHDSI Community Call Dec. 16, 2025 • 11 am ET









Upcoming Community Calls

| Date | Topic |
|---------|-----------------------------------|
| Dec. 16 | Holiday Farewell To 2025 |
| Dec. 23 | No Meeting |
| Dec. 30 | No Meeting |
| Jan. 6 | No Meeting |
| Jan. 13 | Where Can We Go Together in 2026? |









Three Stages of The Journey

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







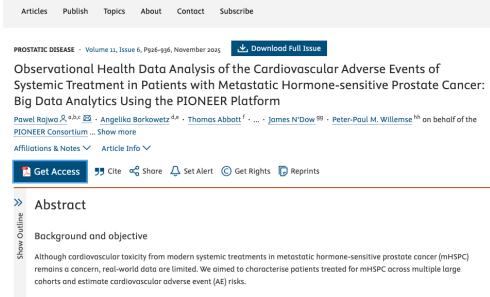


OHDSI Shoutouts!



Congratulations to the team of Pawel Rajwa, Angelika Borkowetz, Thomas Abbott, Andrea Alberti, Katharina Beyer, Anders Bjartell, James T Brash, Andrew Chilelli, Eleanor Davies, Bertrand De Meulder, Tamas Fazekas, Asieh Golozar, Ayman Hijazy, Andreas Josefsson, Veeru Kasivisvanathan, Raivo Kolde, Daniel Kotik, Michael S Leapman, Marcin Miszczyk, Rossella Nicoletti, Peter Prinsen, Sebastiaan Remmers, Maria J Ribal, Juan Gómez Rivas, Lara Rodriguez-Sanchez, Monique J Roobol, Emma Smith, Robert Snijder, Carl Steinbeisser, Hein V Stroomberg, Giorgio Gandaglia, Philip Cornford, Susan Evans-Axelsson, James N'Dow, Peter-Paul M Willemse; and the PIONEER Consortium on the publication of Observational Health Data Analysis of the Cardiovascular Adverse Events of Systemic Treatment in Patients with Metastatic Hormone-sensitive **Prostate Cancer: Big Data Analytics Using the PIONEER Platform** in European Urology Focus.

EUROPEAN UROLOGY **FOCUS**











OHDSI Shoutouts!



Congratulations to the team of Ka Hee Yoo, Kyung Joo Lee, Sang Min Lee, Changwoo Han, Rae Woong Park, and Young Tak Jo on the publication of **Comparative effectiveness of selective** serotonin reuptake inhibitors versus serotonin-norepinephrine reuptake inhibitors in the risk of diagnostic conversion from unipolar depression to bipolar disorder in the International Journal of Psychiatry in Clinical Practice.











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 | ATLAS/WebAPI |
| Thursday | 8 am | India Community Call |
| Thursday | 12 pm | HADES |
| Friday | 10 am | GIS- Geographic Information System |
| Friday | 10:30 am | Open-Source Community |
| Monday | 9 am | Africa Chapter |









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? * |
| Search concepts |
| Download current version of vocabularies |
| Download previous version of vocabularies |
| Other |
| |
| 3. What do you 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 ? * |
|---|
| C 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 |









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 form 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















2026 Global Symposium

The 2026 OHDSI Global Symposium will return to the Hyatt Regency Hotel in New Brunswick, N.J., on Oct. 20-22.











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 realworld 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:

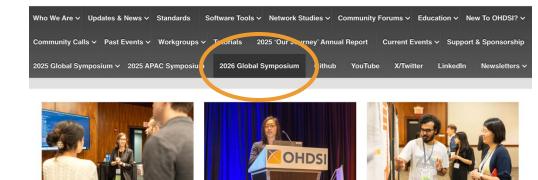
- · Open community data standards
- Methodological research
- Open-source development
- Clinical applications

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!



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.









Monday

Preserving the DNA of **Clinical Intent: Integrating IMO Health API services** into OHDSI Extract-**Transform-Load Process**

(Evan Sholle, David Haines, Chandan Ravishankar, Tejaswini Viswanath, Merlin Simoes, Daniel Timke, Sajjad Abedian, Frank Naeymi-Rad)

Preserving the DNA of Clinical Intent Integrating IMO Health API services into OHDSI Extract-Transform-Load

PRESENTER: Evan Sholle

While the OHDSI community has established a well-validated library of techniques for generating evidence from real-world data, the value of data sets manned to the model is constrained by data quality issues1 attributable to a host of factors, including factors derived from source data systems and those introduced by the mapping process.

Specifically, within the Condition domain, mapping physician documented clinical terms ("interface terms") to OHDSI standard terms often involves a "step down" into a less granular intermediate terminology - ICD-10 prior to mapping to SNOMED.2

We hypothesized that by incorporating IMO Health terminology services into the ETL process and mapping IMO-derived interface terminology items directly to SNOMED. rather than stepping through ICD-10, we could preserve diagnostic granularity, better reflect physician intent, and improve the performance of computable phenotyping techniques executed against the resultant

1. FTI Comparison:

As illustrated in Figure 1, we developed two pipelines for mapping EHR diagnoses to the OHDSI CDM: a "legacy" ETL representative of current standard practice reliant on ICD-10-CM → SNOMED mapping, and an "Enhanced" FTI using IMO Precision Normalize™ API for direct interface-term → SNOMED mapping with bidirectional ICD-10-CM to derive condition_source_concept_id.

2 Patient Impact Analysis: After conducting the ETL, we measured the number of unique interface terminology items present within the source data. We then calculated the number of unique SNOMED and ICD-10 codes these terminology items mapped to for each of the two techniques. We also measured the impact of the different ETL techniques on specific ICD-10 codes that were highly impacted by the change.

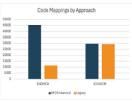
Mapping diagnoses into the CDM through ICD-10 incurs real data granularity loss! Using IMO Health's suite of terminology services, we can map clinical terms directly to important preserve diagnostic details.





As detailed in Figure 2, the Enhanced FTI, technique resulted in a significantly more granular data set. The 162.501 unique interface terminology items in the source data set were mapped to 45,561 unique SNOMED codes and 29,751 ICD-10 codes using the Enhanced ETL technique, while the legacy ETL technique resulted in only 11,389 unique SNOMED codes and 29 348 ICD-10 codes





| code | Diagnosis name | Count of patients with legacy ETL method | Count of patients with enhanced ETL method |
|----------|---|---|---|
| Z10.00 | Encounter for prophylactic removal of unspecified organ | | 6,336 |
| 1144.50 | Unspecified degenerated conditions of globa | 1 | 8510 |
| Z00.71 | Encounter for examination for period of delayed growth in shifthood with almormal findings | 0 | 763 |
| 1914.0 | Unspecified disorder of globe | a | 4922 |
| 576.001A | Unspecified injury of muscle, fixeds and lendon of right hip, initial encounter | 1 | 562 |

- through evaluation of observational data quality. J Am Med Inform Assoc. 2021 Sep 18:28(10):2251-2257. doi: 10.1093/jamia/ocab132. PMID: 34313749. PMCID:
- quality assessment: enabling reuse for clinical research. J Am Med Inform Assoc. 2013 Jan 1;20(1):144-51. doi: 10.1136/amiajni-2011-000681. Epub 2012 Jun 25. PMID:
- ... Evan Sholle, David Haines, Chandan Ravishankar, Tejaswini Viswanath, Merlin Simoes, Daniel Timke, Sajjad Abedian, Frank Naeymi-Rad

















Tuesday

Prediction of Hyperuricemia and Its **Association with Renal** failure, Cardiovascular **Prognosis in Adults with** Type 2 Diabetes mellitus

(Sujin Gan, Dong Yun Lee, Rae Woong Park)



Prediction of Hyperuricemia and Its Association with Renal failure, Cardiovascular Prognosis in Adults with Type 2 Diabetes mellitus

Sujin Gan^{1,4,5}, Dong Yun Lee^{2,3}, and Rae Woong Park^{1,2,4,5}

¹ Department of Biomedical Sciences, Ajou University Graduate School of Medicine, Suwon, Korea; ² Department of Biomedical Informatics, Ajou University School of Medicine, Suwon, Korea 3 Bongdam forest mental health clinic, Hwaseong, Korea; 4 Center for Biomedical Informatics Research, Ajou University Medical Center, Suwon, Korea; 5 BK21 R&E Initiative for Advanced Precision



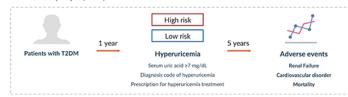
Background

 Accurate prediction of disease progression in T2DM is essential for personalized treatment, yet the prognostic value of hyperuricemia as a potential biomarker remains unclear.

- Develop and externally validate a machine learning model predicting hyperuricemia within 1 year of T2DM
- · Evaluate associations between predicted hyperuricemia and long-term outcomes

Methods

- Model development: Ajou University School of Medicine (AUSOM)
- External validation: Kangdong Sacred Heart Hospital (KDH), Sejong General Hospital Bucheon (SJBCN), Wonkwang University Hospital (WKUH)



2. Study population

- Target cohort: Adults (≥18 years) with newly diagnosed T2DM
- Inclusion criteria: > 1 year prior observation: >1 serum uric acid measurement within one year post-diagnosis
- · Exclusion criteria: prior hyperuricemia, gout, cancer, renal, cardiovascular, or cerebrovascular disease

- · XGBoost, LASSO, Random Forest (in 3-fold Cross validation with 75/25 train-test split)
- · Features: Demographics, Conditions, Drugs, Observations, Procedures (30-day and 365-day windows)

Performance metrics: AUROC, AUPRC, F1-score, Accuracy

4. External validation & Long-term Outcomes

- · Kaplan-Meier survival estimates and Cox proportional hazards regression
- · Meta-analysis performed to generate pooled hazard ratios across databases

Conclusions

- This study developed and externally validated a robust prediction model for one-year hyperuricemia in newly diagnosed T2DM patients.
- · Importantly, predicted hyperuricemia was associated with a significantly elevated risk of renal failure, cardiovascular complications, and death over 5 years, suggesting that early identification of hyperuricemia risk may inform risk stratification and long-term management strategies in T2DM.
- · Findings highlight hyperuricemia as a prognostic biomarker for adverse outcomes in diabetes.

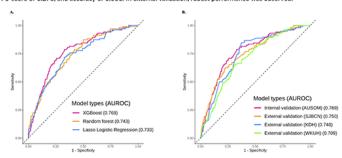
Results

1. Study population characteristics

 In the AUSOM cohort (n = 5,263), 413 patients (7.85%) developed hyperuricemia within one year of T2DM diagnosis. These patients were more likely to be male (67.3%) compared to those without hyperuricemia (47.4%, p < 0.001), but no significant age difference was observed

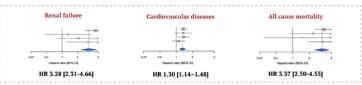
2. Model performance

 The XGBoost model achieved the best performance, with an AUROC of 0.769 (95% CI: 0.723-0.815), AUPRC of 0.205. F1-score of 0.278, and accuracy of 0.681. In external validation, robust performance was observed.



- · Key predictive features included male sex, use of sulfonylureas or insulin, bacterial infections, hemoglobin levels, and prescriptions of diuretics or anti-tuberculosis drugs.
- · Consistent top predictors were identified across XGBoost, LASSO, and Random Forest models.

- Over a five-year follow-up period, predicted hyperuricemia was strongly associated with adverse outcomes.
- Meta-analysis across four databases confirmed these associations, yielding pooled HRs of 3.28 (95% CI: 2.31-4.65) for renal failure, 1.30 (95% CI: 1.14-1.48) for cardiovascular disease, and 3.37 (95% CI: 2.50-4.56) for mortality.



Fundings: This work was supported by the National Research Foundation of Korea(NRF) grant funded by the Korea government(MOE)(NO 2120240615426, BK21 R&E Initiative for Advanced Precision Medicine), the Korea Health Technology R&D Project through the Korea Health Industry Development Institute (KHIDI), funded by the Ministry of Health & Welfare, Republic of Korea (grant number: RS-2024-00335936), a grant (25212MFDS002) from Ministry of Food and Drug Safety in 2025, and the NRF grant funded by the Korea government(MSIT)(grant numbers RS-2025-20552981 and RS-2025-16070957).













Wednesday

Real-World Treatment Pathways of Lung Cancer Patients in Taiwan: A Common Data Model Analysis Using TMUCRD

(Nguyen Thi Kim Hien, Thanh-Phuc Phan, Nam Hoai Vo, Muhammad Solihuddin Muhtar, Christianus Heru Setiawan, Septi Melisa, Jason C. Hsu) Real-World Treatment Pathways of Lung Cancer Patients in Taiwan: A Common Data Model Analysis Using TMUCRD

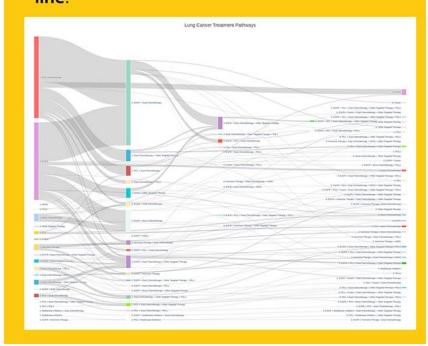
A PRESENTER: Nguyen Thi Kim Hien

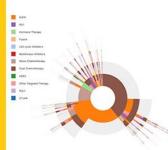
- · Lung cancer is the leading cause of cancer deaths globally (1.8M deaths, 18.7% in 2022).
- Clinical trials often don't reflect real-world care.
- · Treatment pathway analysis bridges the gap between evidence-based guidelines and actual practice.

- 1. Data source: TMUCRD (Taipei Medical University Hospital, Shuangho, Wanfang) 2005-2020.
- 2. Format: Transformed into OMOP CDM for standardized OHDSI
- 3. Patients: 1,895 adults with primary lung cancer, ≥18 years, treated pharmacologically.
- 4. Analysis tools: ATLAS, R (TreatmentPatterns), Python.
- 5. Therapy categories:
 - Mono- & dual chemotherapy
 - EGFR inhibitors
 - · Fusion / HER2 / other targeted agents
 - Immune checkpoint inhibitors (PD-1/PD-L1/CTLA-4)
 - Hormonal therapy
- 6. Pathways: Up to 5 sequential treatment steps visualized.

Chemotherapy and EGFR inhibitors dominate first-line therapy for lung cancer treatment, but real-world treatment sequences are highly heterogeneous.

Substantial patient drop-off beyond second line.





RESULTS

First-line therapies:

- · Dual chemotherapy: 39.2%
- EGFR inhibitors: 33.8%
- · Mono chemotherapy: 10% Transitions:
- Patients on dual chemo → often switched to EGFR regimens.
- · Patients on EGFR inhibitors → often cycled back to dual chemo.

CONCLUSION

This study highlights the heterogeneous nature of real-world lung cancer treatment pathways, with chemotherapy and EGFR inhibitors as predominant first-line therapies and a gradual integration of targeted and immunotherapies in later lines.

Nguyen Thi Kim Hien, Thanh-Phuc Phan, Nam Hoai Vo. Muhammad Solihuddin Muhtar, Christianus Heru Setiawan, Septi Melisa, Jason C. Hsu'















Thursday

Empowering Trial by Multi-source Multi-site Real-world Data: A **Negative Control-Calibrated Digital Twin Approach**

(Dazheng Zhang, Huiyuan Wang, Yiwen Lu, Yong Chen)



Empowering Trial by Multi-source Multi-site Real-world Data: A Negative Control-Calibrated Digital Twin Approach

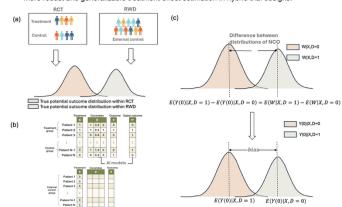
Dazheng Zhanga, Huiyuan Wanga, Yiwen Lua, Jingyue Huanga, Yong Chena

The Center for Health Analytics and Synthesis of Evidence (CHASE). University of Pennsylvania, Philadelphia, PA, US

Background

- · Randomized controlled trials (RCTs) ensure robust causal inference through randomization but often lack generalizability due to strict inclusion criteria, high costs, and
- · Real-world data (RWD) offer broader population coverage and longitudinal follow-up at lower cost, but are prone to bias due to non-randomization and incomplete data access.
- · Integrating external controls from RWD can enhance the statistical efficiency of RCTs by reducing required sample sizes and costs
- · Digital twin technology, originating from engineering, uses machine learning on highdimensional RWD to simulate patient-specific counterfactuals and treatment responses. The PROCOVA¹ method applies this by creating virtual control groups to improve trial efficiency⁷. However, discrepancies between trial and real-world populations can introduce bias,
- · We propose a novel framework that corrects model shift bias in RCT-RWD integration using digital twins and negative control outcomes.

- · We introduce the concept of NCOs, outcomes that are theoretically unaffected by treatment assignment, allowing for an empirical estimate of the model shift bias. The observed discrepancy in NCO distributions between RCT and RWD serves as a diagnostic tool for identifying systematic shifts in outcome distributions.
- . We utilize predictive modeling within the RWD to construct a digital twin-an individualized outcome model for RCT participants. More details about the proposed method can be found the Methods Section. By systematically calibrating for model shift, our method facilitates more robust and generalizable treatment effect estimation in hybrid trial designs.

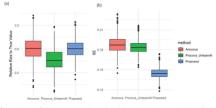


Contact: dazheng.zhang@pennmedicine.upenn.edu and ychen123@upenn.edu



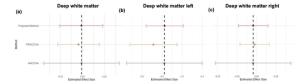






- We illustrate the performance of the proposed method in comparison to baseline methods, including PROCOVA—an approach that does not account for model-shift bias—and ANCOVA.
- The ANCOVA method relies solely on RCT data, making its point estimates the gold standard due to the inherent randomization in RCTs.
- The proposed method achieves a 39.9% relative efficiency gain compared to ANCOVA. In contrast, the PROCOVA method, which is affected by model-shift bias, shows minimal efficiency improvement over

Results



- · As ANCOVA relies solely on RCT data, its estimates serve as the gold standard due to the benefits of
- · The PROCOVA method incorporates external real-world data (RWD) but does not account for model-shift bias, leading to potential inaccuracies.
- · The proposed method, by addressing model-shift bias, produces estimates that align closely with ANCOVA while achieving notable efficiency gains. Across all panels, the proposed method consistently vields more precise estimates and avoids the potential distortions observed in PROCOVA.

Conclusion

- · In summary, our proposed digital twin framework with negative control outcome calibration effectively addresses model shift bias in RCT-RWD integration.
- · Applied to brain imaging data from SPRINT-MIND and iSTAGING, the method achieved treatment effect estimates that closely aligned with RCT-based ANCOVA while offering improved statistical precision.
- · This approach enhances the validity and efficiency of hybrid trial designs, paving the way for more reliable real-world evidence for OHDSI community.

Schuler A, Walsh D, Hall D, Walsh J, Fisher C, Initiative ADN. Increasing the efficiency of randomized trial estimates via linear adjustment for a prognostic score. Int J Biostat 2022; 18: 329-56













Friday

How do changes in vocabulary mapping and database release versions affect cohort composition in realworld data?

(Jill Hardin, Evanette Burrows, Azza **Shaoibi, Clair Blacketer)**

Title: How do changes in vocabulary mapping and database release versions affect cohort composition in real-world data?

♣ PRESENTER: Jill Hardin

- 1. Challenges exist in assessing effects of vocabulary and database version changes in the analysis observational
- 2. Gaining an understanding of the influence on cohort composition is critical for epidemiological research.
- 3. This study compares incidence rates (IR) of condition (n=239) and drug (n=198) phenotypes across vocabulary versions and database releases for 13 different data sources.
- 4. Absolute percent difference was calculated to quantify IR changes.

- 1. 13 observational health data sources standardized to the OMOP Common Data Model (CDM) (1) v5.4 to derive IRs.
- 2. Two versions of each data source were created by mapping the native data to standard concepts using two vocabulary versions: February 29, 2024, and February 27, 2025.
- 3. 437 phenotypes were evaluated: 239 outcomes and 198 drug exposures across the 13 data sources x 2 vocabulary versions
- 4. The population at risk (target cohort) was subjects with an observation period between January 1, 2016, and December 31, 2022.
- 5. ATLAS (2) and the Strategus incidence rate module was used for phenotype development and IR calculation.
- 6. OHDSI best practices was used to develop the phenotypes.
- 7. The absolute percent difference between IRs for each vocabulary and database release version was calculated using the formula: (IR_new_vocab - IR_prior_vocab) x 100

IR_prior_vocab

8. Per 100 person years unit used

- 1. Most phenotypes (31-85%) showed absolute percent differences of 0-5%.
- 2. Larger changes (>5%) were seen in Optum EHR (12.6%) and CPRD (7.3%).
- 3. Phenotypes with greatest differences: heavy menstrual bleeding in Optum EHR & CPRD, and epoprostenol in JMDC.

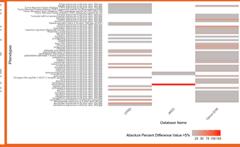
| >(| >0-5 | | >5-10 | | >10-20 | | >20-50 | | >50+ | | NA* | |
|-----|-------|----|-------|----|--------|---|--------|---|------|-----|-------|--|
| N | % | N | % | N | % | N | % | N | % | N | % | |
| 261 | 59.7% | 13 | 3.0% | 12 | 2.7% | 6 | 1.4% | 1 | 0.2% | 144 | 32.9% | |
| 205 | 46.9% | 0 | 0.0% | 2 | 0.5% | 5 | 1.1% | 2 | 0.5% | 223 | 51.0% | |
| 278 | 63.6% | 5 | 1.1% | 2 | 0.5% | 5 | 1.1% | 3 | 0.7% | 144 | 32.9% | |
| 370 | 84.7% | 10 | 2.3% | 5 | 1.1% | 3 | 0.7% | 0 | 0.0% | 49 | 11.2% | |
| 277 | 63.4% | 6 | 1.4% | 7 | 1.6% | 6 | 1.4% | 7 | 1.6% | 134 | 30.6% | |
| 136 | 31.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 301 | 68.8% | |
| 367 | 84.0% | 2 | 0.5% | 11 | 2.5% | 2 | 0.5% | 0 | 0.0% | 55 | 12.6% | |
| 351 | 80.3% | 3 | 0.7% | 8 | 1.8% | 1 | 0.2% | 0 | 0.0% | 74 | 16.9% | |
| 369 | 84.4% | 3 | 0.7% | 7 | 1.6% | 3 | 0.7% | 0 | 0.0% | 55 | 12.6% | |
| 342 | 78.3% | 24 | 5.5% | 22 | 5.0% | 7 | 1.6% | 2 | 0.5% | 40 | 9.1% | |
| 372 | 85.1% | 2 | 0.5% | 8 | 1.8% | 3 | 0.7% | 0 | 0.0% | 52 | 11.9% | |
| 372 | 85.1% | 2 | 0.5% | 8 | 1.8% | 3 | 0.7% | 0 | 0.0% | 52 | 11.9% | |
| 283 | 64.8% | 8 | 1.8% | 6 | 1.4% | 1 | 0.2% | 0 | 0.0% | 139 | 31.8% | |

Phenotype composition is stable across data releases and vocabulary updates.





Figure 2. Drug exposure phenotypes with absolute percent difference



1. Optum EHR & CPRD use

mappings added across

2. Certain phenotypes may be

Data sources using native

by hierarchy changes.

sensitive to vocabulary or

release changes due to shifts

in SNOMED concepts or drug

SNOMED are more affected

This study highlights the need

impacts of vocabulary and

data releases in real-world

. The approach provided can help develop standardized methods to assess these

1. Incorporate this approach into

Voss EA, Makadia R, Matcho A, Ma Q, Knoll C, Schuemie M, et al. Feasibility and

utility of applications of the common data model to multiple, disparate observations

https://github.com/OHDSI/Atlas
Sena A, Schuemie M, Gilbert J (2025).
Strategus: Coordinate and Execute OHDS

HADES Modules. R package version 1.3.0, https://github.com/OHDSI/Strategus,

effects on phenotype

a standardized tool

to monitor and understand the

releases, especially for epoprostenol, mapped to

English codes.

CONCLUSIONS: 1. Phenotype composition is stable across data releases and vocabulary updates.

mappings.

data analysis

FUTURE WORK:

REFERENCES:

2015:22(3):553-64.

SNOMED; others use ICD10 2. JMDC data showed drug















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



