

OHDSI Speed Dating

OHDSI Community Call Jan. 17, 2022 • 11 am ET

in ohdsi



Upcoming OHDSI Community Calls

Date	Topic
Jan. 24	Collaborations For Strategic Priorities
Jan. 31	Introduction to Phenotype Phebruary
Feb. 7	Phenotype Phebruary Weekly Update + Workgroup Plans for 2023
Feb. 14	Phenotype Phebruary Weekly Update + Workgroup Plans for 2023
Feb. 21	Phenotype Phebruary Weekly Update + Workgroup Plans for 2023
Feb. 28	Phenotype Phebruary Weekly Update + Workgroup Plans for 2023







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Jan. 24:

Collaborations for Strategic Opportunities



Anna Ostropolets

Data Scientist, Odysseus Data Services, Inc. PhD Graduate, Columbia University



Clair Blacketer

Director, Janssen Research and Development, Inc.



Patrick Ryan

Vice President, Observational Health Data Analytics, Janssen Research and Development, Inc.; Adjunct Assistant Professor, Columbia University



Three Stages of The Journey

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







OHDSI Shoutouts!



Congratulations to the team of Yue Yu, Guogian Jiang, Eric Brandt, Tom Forsyth, Sanket Dhruva, Shumin Zhang, Jiajing Chen, Peter Noseworthy, Amit Doshi, Kimberly Collison-Farr, Dure Kim, Joseph Ross, Paul Coplan, and Joseph Drozda on the publication of Integrating real-world data to assess cardiac ablation device outcomes in a multicenter study using the OMOP common data model for regulatory decisions: implementation and evaluation in JAMIA Open.

JAMIA Open, 6(1), 2023, ooac108 https://doi.org/10.1093/jamiaopen/ooac108 Brief Communication





Brief Communication

Integrating real-world data to assess cardiac ablation device outcomes in a multicenter study using the OMOP common data model for regulatory decisions: implementation and evaluation

Yue Yu¹, Guoqian Jiang², Eric Brandt³, Tom Forsyth³, Sanket S. Dhruva ¹₀, Shumin Zhang⁵, Jiajing Chen³, Peter A. Noseworthy⁶, Amit A. Doshi⁷, Kimberly Collison-Farr³, Dure Kim⁸, Joseph S. Ross⁹, Paul M. Coplan^{5,10}, and Joseph P. Drozda Jr³

¹Department of Quantitative Health Sciences, Mayo Clinic, Rochester, Minnesota, USA, ²Department of Artificial Intelligence and Informatics, Mayo Clinic, Rochester, Minnesota, USA, ³Mercy Research, Mercy, Chesterfield, Missouri, USA, ⁴School of Medicine, University of California San Francisco, and Section of Cardiology, Department of Medicine, San Francisco Veterans Affairs Medical Center, San Francisco, California, USA, ⁵MedTech Epidemiology and Real-World Data Sciences, Office of the Chief Medical Officer, Johnson & Johnson, New Brunswick, New Jersey, USA, ⁶Department of Cardiovascular Medicine, Mayo Clinic, Rochester, Minnesota, USA, ⁷Mercy Clinic, Mercy, St. Louis, Missouri, USA, ⁸National Evaluation System for Health Technology Coordinating Center (NESTec), Medical Device Innovation Consortium, Arlington, Virginia, USA, ⁹Department of Internal Medicine, Yale School of Medicine, and the Center for Outcomes Research and Evaluation, Yale-New Haven Hospital, New Haven, Connecticut, USA and ¹⁰Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA

Corresponding Author: Guoqian Jiang, MD, PhD, Department of Artificial Intelligence and Informatics, Mayo Clinic, 200 First Street, SW, Rochester, MN 55905, USA; jiang.guoqian@mayo.edu

Received 10 May 2022; Revised 10 August 2022; Editorial Decision 7 December 2022; Accepted 5 January 2023

ABSTRACT

The objective of this study is to describe application of the Observational Medical Outcomes Partnership (OMOP) common data model (CDM) to support medical device real-world evaluation in a National Evaluation System for health Technology Coordinating Center (NESTcc) Test-Case involving 2 healthcare systems, Mercy Health and Mayo Clinic. CDM implementation was coordinated across 2 healthcare systems with multiple hospitals to aggregate both medical device data from supply chain databases and patient outcomes and covariates from electronic health record data. Several data quality assurance (QA) analyses were implemented on the OMOP CDM to validate the data extraction, transformation, and load (ETL) process. OMOP CDM-based data of relevant patient encounters were successfully established to support studies for FDA regulatory submissions. QA analyses verified that the data transformation was robust between data sources and OMOP CDM. Our efforts provided useful insights in real-world data integration using OMOP CDM for medical device evaluation coordinated across multiple healthcare systems.

Key words: medical device, OMOP CDM, UDI, medical data standardization







OHDSI Shoutouts!



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WILEY

Congratulations to the team of Martijn Schuemie, Fan Bu, Akihiko Nishimura, and Marc Suchard on the publication of **Adjusting for** both sequential testing and systematic error in safety surveillance using observational data: Empirical calibration and MaxSPRT in Statistics in Medicine.

RESEARCH ARTICLE

Adjusting for both sequential testing and systematic error in safety surveillance using observational data: **Empirical calibration and MaxSPRT**

Martijn J. Schuemie^{1,2} | Fan Bu^{2,3} | Akihiko Nishimura⁴ | Marc A. Suchard^{2,3,5}

1 Observational Health Data Analytics, Janssen Research & Development. Titusville, New Jersey,

²Department of Biostatistics, University of California, Los Angeles, California,

3Department of Human Genetics, University of California, Los Angeles, California.

⁴Department of Biostatistics, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland,

⁵VA Informatics and Computing Infrastructure, US Department of Veterans Affairs, Salt Lake City, Utah,

Martijn J. Schuemie, Observational Health Data Analytics, Janssen Research & Development, Titusville, NJ, USA. Email: schuemie@ohdsi.org

Funding information

US Food & Drug Administration, Grant/Award Number: 75F40120D00039 Post-approval safety surveillance of medical products using observational healthcare data can help identify safety issues beyond those found in pre-approval trials. When testing sequentially as data accrue, maximum sequential probability ratio testing (MaxSPRT) is a common approach to maintaining nominal type 1 error. However, the true type 1 error may still deviate from the specified one because of systematic error due to the observational nature of the analysis. This systematic error may persist even after controlling for known confounders. Here we propose to address this issue by combing MaxSPRT with empirical calibration. In empirical calibration, we assume uncertainty about the systematic error in our analysis, the source of uncertainty commonly overlooked in practice. We infer a probability distribution of systematic error by relying on a large set of negative controls: exposure-outcome pairs where no causal effect is believed to exist. Integrating this distribution into our test statistics has previously been shown to restore type 1 error to nominal. Here we show how we can calibrate the critical value central to MaxSPRT. We evaluate this novel approach using simulations and real electronic health records, using H1N1 vaccinations during the 2009-2010 season as an example. Results show that combining empirical calibration with MaxSPRT restores nominal type 1 error. In our real-world example, adjusting for systematic error using empirical calibration has a larger impact than, and hence is just as essential as, adjusting for sequential testing using MaxSPRT. We recommend performing both, using the method described

empirical calibration, observational research, sequential testing





OHDSI Shoutouts!



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
Wednesday	11 am	Open-Source Community
Wednesday	12 pm	Health Equity Journal Club
Thursday	12 pm	HADES
Thursday	1 pm	OMOP CDM Oncology – Vocabulary/Development
Thursday	7 pm	Dentistry
Friday	9 am	GIS – Geographic Information System Development
Friday	11 am	Clinical Trials
Monday	10 am	Africa Chapter
Monday	11 am	Early-Stage Researchers
Tuesday	9 am	OMOP CDM Oncology

ohdsi.org/workgroups







OHDSI HADES releases: SqlRender 1.11.1

SqlRender 1.11.1 Reference Articles ▼ SqlDeveloper Changelog

SqlRender

R-CMD-check passing codecov 80% CRAN 1.11.1 downloads 1990/month

SqlRender is part of HADES.

Introduction

This is an R package for rendering parameterized SQL, and translating it to different SQL dialects. SqlRender can also be used as a standalone Java library and a command-line executable.

Features

- Supports a simple markup syntax for making SQL parameterized, and renders parameterized SQL (containing the markup syntax) to executable SQL
- The syntax supports defining default parameter values
- The syntax supports if-then-else structures
- Has functions for translating SQL from one dialect (Microsoft SQL Server) to other dialects (Oracle, PostgreSQL, Amazon RedShift, Impala, IBM Netezza, Google BigQuery, Microsoft PDW, Snowflake, Azure Synapse, Apache Spark and SQLite)
- Can be used as R package, Java library, or as stand-alone executable through a command-line interface

Links

View on CRAN

Browse source code

Report a bug

Ask a question

License

Apache License 2.0

Citation

Citing SqlRender

Developers

Martijn Schuemie Author, maintainer

Marc Suchard Author





#JoinTheJourney in ohdsi



OHDSI HADES releases: EvidenceSynthesis 0.4.0

<u>EvidenceSynthesis</u> 0.4.0 Reference Articles → Changelog

EvidenceSynthesis

R-CMD-check passing Codecov 79% CRAN 0.4.0 downloads 271/month

EvidenceSynthesis is part of HADES.

Introduction

This R package contains routines for combining causal effect estimates and study diagnostics across multiple data sites in a distributed study. This includes functions for performing meta-analysis and forest plots.

Features

- Perform a traditional fixed-effects or random-effects meta-analysis, and create a forest plot.
- Use non-normal approximations of the per-data-site likelihood function to avoid bias when facing small and zero counts.

Example

Links

View on CRAN

Browse source code

Report a bug

Ask a question

License

Apache License 2.0

Citation

Citing EvidenceSynthesis

Developers

Martijn Schuemie Author, maintainer

Marc A. Suchard

More about authors...





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OHDSI HADES releases: SelfControlledCaseSeries 4.1.0

SelfControlledCaseSeries 4.1.0 Reference Articles → Changelog

SelfControlledCaseSeries

R-CMD-check passing

Codecov 87%

SelfControlledCaseSeries is part of HADES.

Introduction

SelfControlledCaseSeries is an R package for performing Self-Controlled Case Series (SCCS) analyses in an observational database in the OMOP Common Data Model.

Features

- Extracts the necessary data from a database in OMOP Common Data Model format.
- Optionally add seasonality using a spline function.
- Optionally add age using a spline function.
- Optionally add calendar time using a spline function.
- Optionally correct for event-dependent censoring of the observation period.
- Optionally add many covariates in one analysis (e.g. all drugs).
- Options for constructing different types of covariates and risk windows, including pre-exposure windows (to capture contraindications).

Links

Browse source code

Report a bug

Ask a question

License

Apache License 2.0

Citation

Citing SelfControlledCaseSeries

Developers

Martijn Schuemie Author, maintainer

Patrick Ryan

Author

Trevor Shaddox

Author

Marc Suchard

Author



#JoinTheJourney



New Demos: PatientLevelPrediction v6/Strategus

Jenna Reps, co-lead of the PLP workgroup, recently shared several video tutorials of version 6 of the PatientLevelPrediction tool. The demos are available on both our website and our YouTube page.

Videos

- how to extract data and develop single model using PLP v6
- how to design prediction models and develop multiple models using PLP v6
- demonstrating the PLP v6 shiny app that enables users to interactively explore prediction model results
- how to use the new OHDSI R package Strategus and OHDSI modules to develop an OHDSI prediction development network study
- how to run an OHDSI prediction network study using the new
 Strategus approach
 ohdsi.org/plp-v6-demos/

Learn More About Version 6 Of The PatientLevelPrediction Package

PatientLevelPrediction, a part of the HADES open-source tool library, is an R package for building and validating patient-level predictive models using data in the OMOP Common Data Model format. Check out the PatientLevelPrediction (PLP) github page for more information.

PLP workgroup co-lead and package maintainer Jenna Reps created a series of demo videos to provide assistance with using v6 of the package. You can check out the descriptions and videos here, or on our OHDSI YouTube page (check out the tutorials playlist).

This video demonstrates how to extract data and develop single mode using PatientLevelPrediction version 6.

This video demonstrates how to design prediction models and develo





This video demonstrates the PatientLevelPrediction version 6 shin app that enables users to interactively explore prediction model results This video explains how to use the new OHDSI R package Strategus and OHDSI modules to develop an OHDSI prediction development network study. Text instructions are available here.





This video explains explains how to run an OHDSI prediction network study using the new Strategus approach. <u>Text instruction</u> are available here





Oxford Real World Evidence Summer School

Oxford Summer School 2023: Real World Evidence using the OMOP Common Data Model

COURSE DIRECTORS

Daniel Prieto-Alhambra

Professor of Pharmaco- and Device Epidemiology



Brief Description:

Our Real World Evidence Summer School will provide participants with the tools and concepts necessary to plan and execute Real World Evidence studies, with a focus on the use of the OMOP common data model. The course will have morning lectures followed by afternoon practicals where concepts discussed in the morning will be put in practice with hands-on sessions. Practical sessions will have two tracks: a) for those interested in the design of studies and use of existing analytical and data curation tools; and b) for more advanced data scientists and programmers interested in the development or modification of analytical code using R.

COURSE ADMINISTRATOR

Mahkameh Mafi

Personal Assistant to Professor Prieto-Alhambra



Registration: It is now open

Venue: Lady Margaret Hall Talbot Hall Theatre, Norham Gardens, Oxford OX2 6QA

Date: 19th- 23rd June 2023

For booking please use **Booking information**

Please see the Preliminary Programme here

AUDIENCE:

Pharmacists, clinicians, academics (including statisticians, epidemiologists, and related MSc/PhD students); Industry (pharmacy or device) or Regulatory staff with an interest in the use of routinely collected data for research.

LEARNING GOALS:

OTHER COURSES

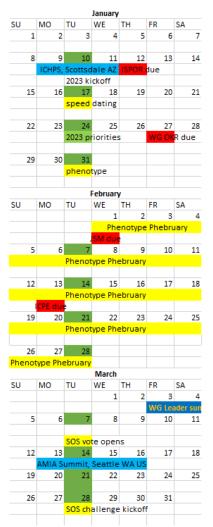
Statistics: Designing clinical research and biostatistics







OHDSI Calendar of collaboration opportunities









OHDSI community calls
OHDSI community events
OHDSI collaboration activities

External conferences
Dendlines



ICPE 2023 Abstract Deadline: Feb. 13



August 23 - 27

HALIFAX, NOVA SCOTIA, CANADA HALIFAX CONVENTION CENTRE **1**ispe

pharmacoepi.org #ICPE23 | @IntPharmacoEpi

ICPE 2023 Call for Abstracts
Submission Deadline: February 13, 2023

Abstract submissions for the 39th International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE 2023) are now being accepted online

Call for Abstracts

ICPE 2023 will be a live event held at the Halifax Convention Centre, Halifax, Nova Scotia, Canada, August 23-27, 2023. <u>Virtual presentations are not permitted for the event</u>; all presentations <u>must be delivered in person</u>. If you submit an abstract, it is with the intention that you will physically attend the conference to present it.

The ICPE 2023 is a unique forum for the exchange of scientific information from the fields of pharmacoepidemiology and therapeutic risk management among those in the pharmaceutical industry, government, academia, service

pharmacoepi.org/meetings/annual-conference/



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Extending the OMOP Standard Vocabulary to Include Botanical Natural Products

Sanya B. Taneja, Mary F. Paine, Sandra L. Kane-Gill, Richard D. Boyce

INTRODUCTION

OBJECTIVE: extend the OMOP vocabulary to include natural products, their synonyms, phytoconstituents, and name variations to standardize the natural product reports in spontaneous reporting systems.

- Increase in consumption of natural product and/or dietary supplements has led to adverse event concerns.
- Spontaneous reporting systems (e.g., FAERS) can be used for natural product pharmacovigilance by identifying reports with natural products.
- Lack of interoperability in natural product data sources, coverage of synonyms, scientific names and common names, and ambiguity in natural product names are major challenges.

METHODS



- 303 unique natural product Latin binomia
- 2,289 unique concepts in concept table
 2,772 manually curated name variations for
- 65 natural products from FAERS
 Relationships: napdi_pt, napdi_is_pt_of, napdi_has_const, napdi_is_const_of, napdi_spell_vr. napdi_is_spell_vr. of.
- napdi_np_maps_to, napdi_const_maps_to
 47,601 reports matched to natural product names, 60,223 reports matched to natural product names & name variations, & 100,52 reports matched to natural product

303 botanical natural products, 2,289 concepts, and 2,772 name variations added to **extended OHDSI vocabulary**.

160,745 adverse event reports identified using terms for 65 natural products from the extended vocabulary.

Includes relationships to natural product constituents and RxNorm concepts.





EXTENDED VOCABULARY

concept_name	vocab_id	concept_ class_id
Black tea [Camellia sinensis]	NAPDI	Green tea
Green tea [Camellia sinensis]	NAPDI	Green tea
Oolong tea [Camellia sinensis]	NAPDI	Green tea
Tea [Camellia sinensis]	NAPDI	Green tea
White Tea [Camellia sinensis]	NAPDI	Green tea
Camellia sinensis [Camellia sinensis]	NAPDI	Green tea
	Black tea [Camellia sinensis] Green tea [Camellia sinensis] Oolong tea [Camellia sinensis] Tea (Camellia sinensis] White Tea [Camellia sinensis] Camellia sinensis]	Black tea [Camellia sinensis] Oolong tea [Camellia sinensis] Oolong tea [Camellia sinensis] Vhite Tea [Camellia sinensis] Vhite Tea [Camellia sinensis] Camellia sinensis

Table 2: concept table with green tea constituents

name		
Green tea	EPICATECHIN	-7001895
Green tea	EPICATECHIN GALLATE	-7002175
Green tea	EPIGALLOCATECHIN	-7001785
Green tea	EPIGALLOCATECHIN GALLATE	-7002248
Green tea	GALLOCATECHIN	-7002061
Green tea	GALLOCATECHIN GALLATE	-7001793
Table 3: cc	ncept table with green tea na	ne variations

name	name_variation	concept_id
Green tea	GUARANA GREEN TEA	-7004112
Green tea	CAMELLIA SINENSIS/PANAX GINSENG EXTRACT	-7004069
Green tea	APPLE CIDER VINEGAR + GREEN TEA SUPPLEMENT	-7003800
Green tea	UNSPECIFIED GREEN TEA EXTRACT SUPPLEMENT	-7002714
Green tea	TEA, GREEN (TEA, GREEN)	-7002713
Table 4: Gr	een tea concepts mapped to Rx	Norm terms.

rxnorm_id	napdi_ concept_id	rxnorm_concept	rxnorm_ class
19121499	-7001008	GREEN TEA PREPARATION 25 MG	Clinical Drug Comp
1304239	-7001008	GREEN TEA LEAF EXTRACT	Ingredien
1304273	-7001008	GREEN TEA LEAF EXTRACT 1000 MG ORAL TABLET	Clinical Drug
1396861	-7001008	GREEN TEA EXTRACT 315 MG	Clinical

ORAL CAPSULE

FAERS: FDA

deverse Event
leporting System

Center of Excellence for

Center of Excellence for

Dittsburgh

Dittsburgh

Dittsburgh

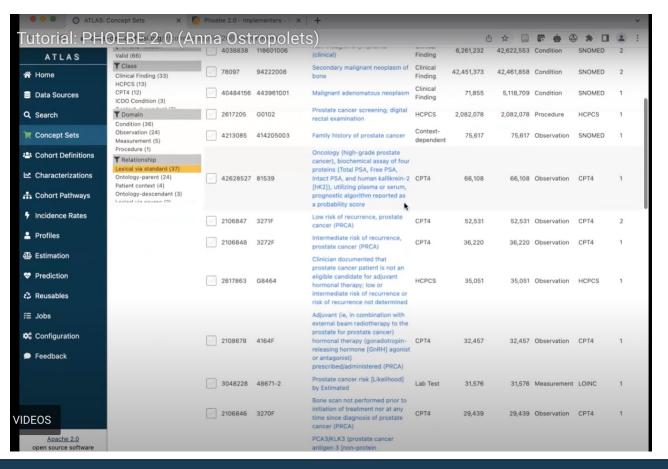
TUESDAY

Extending the OMOP Standard Vocabulary to Include Botanical Natural Products (Sanya B. Taneja, Mary F. Paine, Sandra L. Kane-Gill, Richard D. Boyce)









WEDNESDAY

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









Adaptation and Validation of the Charlson Comorbidity Index In Administrative Claims Data Using the SNOMED CT Standardized Vocabulary



Stephen P Fortin¹, Jenna Reps¹, Patrick Ryan¹

¹Janssen R&D, LLC, Raritan, NJ, USA

Background

- The Charlson Comorbidity Index (CCI) is commonplace in epidemiological research providing an aggregate measure of patient comorbidity
- Multiple adaptations of the CCI have emerged for application to administrative claims data using the International Classification of Diseases, Ninth and Tenth Revisions (ICD-9/10) and their clinical modifications (ICD-9/10-CM)
- No prior literature exists describing the development and validation of the current implementation
 of the CCI used by the OHDSI community; and prior research has shown large discrepancies in the
 measurement of comorbidities between the OHDSI and Quan adaptations of the CCI.

Study Objectives: To address the limitations of the OHDSI adaptation, the current study adapted and validated a new coding algorithm for the CCI using the SNOMED CT standardized vocabulary, henceforth referred to as the SNOMED adaptation.

Methods

Development of SNOMED Adaptation: Adapted through direct translation of Quan coding algorithms followed by manual curation by clinical subject matter experts

Code Mapping Diagnostics: For transparency, all discrepant codes between the SNOMED and Quan adaptations of the CCI were identified and classified into the following categories:

- Multiple ICD codes to single SNOMED CT code
- Information Gain: Discrepant codes are clinically relevant
 Added Noise: Discrepant codes are not clinically relevant
- Deprecated ICD code unmapped to SNOMED CT code
- Specificity of ICD code mapping to SNOMED CT code

Validation of SNOMED Adaptation:

Study Design: Descriptive study

Data Source: Data were from two U.S. administrative claims databases

1. IBM® MarketScan® Multi-State Medicaid Database (MDCD)

. Optum® De-Identified Clinformatics Data Mart Database – Date of Death (DOD)

Study Population: Patients aged ≥18 years with an inpatient visit during the calendar years of 2013 or 2018 with at least 365 days of prior observation (index = first inpatient visit)

Covariates: The CCI and each comorbid condition comprising the CCI were measured based on all observed diagnosis codes recorded at or any time prior to index using the SNOMED vs. Quan adaptations. Statistical Analysis

- All analyses were stratified by database and calendar year.
- Descriptive statistics were produced for each study covariate. Differences between study comparison groups were assessed using standardized mean differences (SMD; SMD >0.10 considered imbalanced).
- For each comorbid condition, the overlap in patient capture between the SNOMED and Quan adaptations between study comparison groups was measured.
- Logistic regression was used to predict 1-year mortality using the CCI as the independent variable. The
 predictive performance of each vocabulary was assessed using the c statistic, measured as the area
 under the curve of the receiver operating characteristics curve.

Results

As shown in Table 1, among 5,343 codes mapping to ICD-9/10-CM from either the SNOMED or Quantum stable 1, among 5,143 codes mapping to ICD-9/10-CM from either the SNOMED or Quantum stable 10 codes to a single SNOMED or code was the most common cause of discrepant codes (n=560, 80,6%), which resulted in the additional captures of linicially relevant codes (n=5138) of cases.

Table 1. Summary of findings from code mapping diagnostics

Concordant Multiple ICD Codes to Single

 Concordant Codes
 Multiple ICD Codes to Single SNOMED CT Code Information gain
 Deprecated ICD code unmapped to SNOMED CT Code
 Specificity of ICD code unmapped to SNOMED CT Code

 4.648 (87.0%)
 138 (2.6%)
 422 (7.9%)
 3123 (2.3%)
 12 (0.2%)

A total of 328,740 (MDCD, 2013), 804,707 (DOD, 2013), 491,311 (MDCD, 2018), and 1,109,389 (DOD, 2018) met the study criteria for each database-calendar year combination.

Figures 1-4 show the overlap in patient capture for each comorbidity for each database-calendar year combination. The degree of patient overlap in patient capture was >97.6% across all comorbid conditions. There was no significant difference in the SMD of comorbid conditions between study comparison groups.



As shown in **Table 2**, the performance of the SNOMED and Quan adaptations in predicting one-year mortality was similar across all analyses.

 Table 2. Performance of the SNOMED versus Quan adaptations of the CCI in predicting one-year mortality

Year	Adaptation of CCI	MDCD, c-statistic (95% CI)	DOD, c-statistic (95% CI)
	SNOMED	0.725 (0.721, 0.728)	0.789 (0.787, 0.79)
2013	Quan	0.723 (0.72, 0.726)	0.787 (0.786, 0.789)
	SNOMED	0.754 (0.751, 0.757)	0.757 (0.755, 0.758)
2018	Quan	0.752 (0.749, 0.754)	0.757 (0.756, 0.758)

Conclusion

The SNOMED adaptation had similar performance to the Quan adaptation in terms of measuring the overall CCI, frequency of individual comorbidities comprising the CCI, and predicting one-year mortality among hospitalized patients. Given the SNOMED adaptation permits for increased reproducibility and transparency of research, we posit the SNOMED adaptation as a substantial improvement to the current implementation of the CCI used by CMPSI.

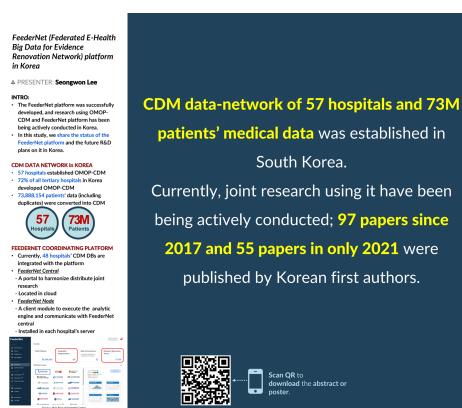
THURSDAY

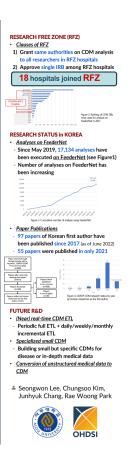
Adaptation and Validation of the Charlson Comorbidity Index in Administrative Claims Data Using the SNOMED CT Standardized Vocabulary (Stephen Fortin, Jenna Reps, Patrick Ryan)











FRIDAY

FeederNet (Federated E-Health Big Data for Evidence Renovation Network)
platform in Korea (Seongwon Lee, Chungsoo Kim, Junhyuk Chang, Rae Woong Park)





Where Are We Going?

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







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OHDSI Speed Dating







Crime + Justice Energy + Environment Extreme Weather

Space + Science

A single winning ticket for Friday's \$1.35 billion Mega Millions jackpot drawing was sold in Maine



By Tina Burnside and Aya Elamroussi, CNN Updated 5:50 AM EST, Sat January 14, 2023















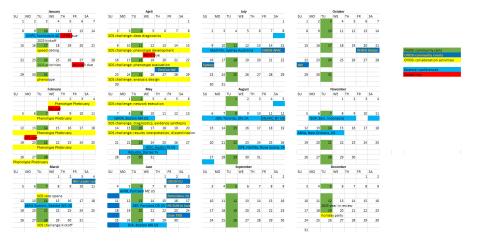
- What's your name?
- Where do you live?
- What organization(s) are you affiliated with?
- Where are you on the OHDSI journey?
- If Andrew did win the Mega Millions, how much should he invest in OHDSI and what should the money fund?



- What's your name?
- Where do you live?
- What organization(s) are you affiliated with?
- Where are you on the OHDSI journey?
- If YOU won the Mega Millions, what would be your first big splurge purchase for yourself?



- What's your name?
- Where do you live?



- What organization(s) are you affiliated with?
- Where are you on the OHDSI journey?

www.ohdsi.org

 What type of collaboration are you hoping to engage in with fellow OHDSI colleagues this year?



- What's your name?
- Where do you live?
- What organization(s) are you affiliated with?
- Where are you on the OHDSI journey?
- What was your 2023 New Year's Resolution and (be honest!) have you kept it through 17 days?



