



APAC Community Call

Working Group Updates #4

August 25, 2022



Agenda

- OHDSI News
 - New OHDSI Studies: Call for Participation
 - Working Group Updates
 - Natural Language Processing (NLP)
 - Phenotype Development & Evaluation
 - FHIR & OMOP
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New OHDSI Studies: Call for Participation

- Study name: Medication use in pregnant women with and without COVID-19
- Study owners
 - Hedvig Nordeng h.m.e.nordeng@farmasi.uio.no, University of Oslo, Norway
 - Nhung Trinh nhung.trinh@farmasi.uio.no, University of Oslo, Norway
 - Eimir Hurley eimir.hurley@farmasi.uio.no, University of Oslo, Norway
- Study objective: Estimate and compare prevalence/incidence of medication use in pregnant women with and without COVID-19
- Study synopsis: [EHDEN Study-request-form short v5.docx](#)
- If you are interested in joining the study, please reach out to the study owners by September 15!



Natural Language Processing (NLP)

OKRs for 2022

1. Objective 1: revise representation of textual data in OMOP-CDM (Note_NLP) and develop user guide
2. Objective 2: develop multiple NLP tools to extract, transform, and load textual data into Note_NLP
3. Objective 3: conduct at least two multi-site clinical studies that utilize both structured and textual data
4. Objective 4: continuous community engagement



Phenotype Development & Evaluation

Responsible Workgroup

- **Phenotype Development and Evaluation Workgroup**
 - Mission: We improve the quality and reliability of international gene-environment research into the development of common phenotype development interventions.
 - Strategic focus: IT and IT support services

Responsibilities – library life cycle

1. Define the minimum standard for Phenotypes in Phenotype Library
2. Manage a community submission process.
3. Perform scientific peer review in a public forum.
4. Publish and maintain the OHDSI Phenotype Library repository of expert definitions.
5. Execute OHDSI Phenotype Library network study and publish results.
6. Develop material for peer-reviewed scientific publications on the phenotypes.

July 17, 2020

OHDSI | OHDSI.org | OHDSI Hub | <https://www.ohdsi.org/phenotype>



FHIR & OMOP

OMOP + FHIR bidirectional harmonization are two distinct processes

OMOP

- Standardized data models
- Standardized data formats
- Standardized data exchange protocols
- Standardized data storage and retrieval mechanisms
- Standardized data security and privacy controls
- Standardized data governance and management processes
- Standardized data quality and validation rules
- Standardized data interoperability and integration capabilities
- Standardized data lifecycle management
- Standardized data access and sharing mechanisms
- Standardized data documentation and metadata management
- Standardized data monitoring and reporting capabilities
- Standardized data backup and recovery procedures
- Standardized data archiving and retention policies
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FHIR

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