

Resource Summary Report

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Observational Medical Outcomes Partnership

RRID:SCR_003724

Type: Tool

Proper Citation

Observational Medical Outcomes Partnership (RRID:SCR_003724)

Resource Information

URL: <http://omop.org/>

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Description: Initiative to improve the safety of drugs on the market that utilized information drawn from patient medical record databases and health insurance claims to develop and test methods to detect and evaluate drug safety issues over time. The OMOP pilot project focused on the following objectives: * Defining and evaluating analytical methods that can be used to identify associations between drugs and health-related conditions. * Developing tools for organizing access to and evaluating the usefulness of multiple observational datasets. * Study how information from analyses of observational data can be used to inform ongoing pharmacovigilance efforts. The software tools - packaged as the OMOP Web RL Platform was developed and made available to the public, <https://github.com/OMOP> . In addition to these data tools, this collaborative research effort discovered methods for using data to reliably identify correlations between individual medical interventions and specific health outcomes. These insights are being used to help inform the FDA Sentinel Initiative as part of the Innovation in Medical Evidence Development and Surveillance (IMEDS) program. The achievements of the program include: * Establishment of a common data model and creation of data characterization tools, and vocabulary mappings * Implementation of Health Outcome of Interest definitions, including a program to implement these definitions as part of the Regularized Identification of Cohorts (RICO) * Release of 14 analysis methods to evaluate the performance of methods and data in identifying drug safety issues

Abbreviations: OMOP

Synonyms: Observational Medical Outcomes Partnership (OMOP)

Resource Type: consortium, data or information resource, organization portal, portal

Keywords: consortium, drug, drug safety, observational data, claim, electronic medical record, surveillance, prescription medication, health outcome, medical intervention, drug development, safety, common data model, vocabulary

Funding: Biopharmaceutical members

Resource Name: Observational Medical Outcomes Partnership

Resource ID: SCR_003724

Alternate IDs: nlx_157903

Record Creation Time: 20220129T080220+0000

Record Last Update: 20260829T182159+0000

Ratings and Alerts

No rating or validation information has been found for Observational Medical Outcomes Partnership.

No alerts have been found for Observational Medical Outcomes Partnership.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Shameer K, et al. (2017) Translational bioinformatics in the era of real-time biomedical, health care and wellness data streams. Briefings in bioinformatics, 18(1), 105.

Li Y, et al. (2015) A Method to Combine Signals from Spontaneous Reporting Systems and Observational Healthcare Data to Detect Adverse Drug Reactions. Drug safety, 38(10), 895.

Bazelier MT, et al. (2015) Data management and data analysis techniques in pharmacoepidemiological studies using a pre-planned multi-database approach: a systematic literature review. Pharmacoepidemiology and drug safety, 24(9), 897.

Lopes P, et al. (2015) Challenges and Opportunities for Exploring Patient-Level Data. BioMed research international, 2015, 150435.

Koutkias VG, et al. (2015) Computational approaches for pharmacovigilance signal detection: toward integrated and semantically-enriched frameworks. Drug safety, 38(3), 219.