

OMOP

OMOP is funded by the Foundation for the National Institutes of Health in the United States. It aims to evaluate analytical approaches and data sources for safety surveillance in longitudinal observational medical data.

Goal

- Conduct methodological research
- Develop tools and capabilities for transforming, characterizing and analyzing disparate data sources
- Establish a shared resource so that the broader research community can collaboratively advance the science

Our role

We delivered the following: An analytical method called temporal pattern discovery or *vigiTrace* implemented in R and released as open source. In a study using 52 medication-outcome pairs there was considerable variation in performance between method, parameter settings within methods and across data sources. Reassuringly, temporal pattern discovery as used by the UMC was one of the top performing methods in this limited study and was reliable across all data sets in which it was evaluated.