

Accelerating the use of health data **together**



phenomics.va.ornl.gov

OUR STORY

Health data is frequently used in research, pragmatic clinical trials, and healthcare operations. Yet defining conditions within the data can be resource and time intensive.

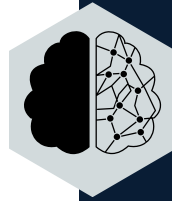
The **Centralized Interactive Phenomics Resource (CIPHER)**, was created by the US Department of Veterans Affairs as an innovative solution to optimize health data sources and the rich information contained within them. CIPHER's searchable phenotype library contains thousands of computable phenotype definitions.

Computable phenotypes can be thought of as "recipes" to define diseases, medications, laboratory measures, and other elements within electronic health records. CIPHER also contains data visualizations, phenotyping resources, and a phenotype collection dashboard.

CALL TO ACTION

CIPHER is made possible due to the contribution of content by an array of health data users. We invite you to join the CIPHER community by depositing your work and helping us achieve our mission!

PHENOTYPE LIBRARY



- Complex search functionality
- Comparison tool to evaluate definitions side-by-side
- Provides unique sharable URL for each phenotype

DATA VISUALIZATION



- Interactive approach to exploring content
- Aids in phenotype development
- Direct linkage to phenotype details
- Video tutorials
- Customizable, exportable visualizations

PHENOTYPE COLLECTION



- Interactive submission form & dashboard
- Validates against standard vocabularies
- Quality assurance review process
- Bulk upload capability
- Utilizes phenotype collection standard to ensure reproducibility

CONTACT US

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LEARN MORE ABOUT CIPHER

CIPHER Design (PMID: 38481028)

CIPHER Metadata Standard (PMID: 36882092)