

Data Characterization

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Data Standardization

The OMOP CDM is a system of tables, vocabularies, and conventions that allow observational health data to be standardized. It is this standard approach that facilitates rapid innovation in the areas of open-source development, methods research, and evidence generation.

<https://ohdsi.github.io/CommonDataModel>

Data Characterization

- Automated Characterization of Health Information at Large-scale Longitudinal Evidence Systems (ACHILLES)
- An open-source R package from the Observational Health Data Sciences & Informatics (OHDSI) community.
- ACHILLES executes over 250 descriptive analyses on an OMOP CDM database including typical analyses to summarize drugs, conditions, and demographics

<https://github.com/ohdsi/achilles>

ACHILLES

- Latest Release
 - v1.7.2 / May 2023
 - Met standards of HADES guidelines
 - Published to CRAN
- Ongoing Work
 - Addressing performance issues across platforms
 - Adding new characterizations as CDM evolves
 - Planning for a 2.0 release with refactored performance logging and incremental modes

ARES

ARES



A Research Exploration System that facilitates exploration of patient level, observational data research accompanied by source data characterization and quality assessment ensuring that results are presented with proper context.

 [EXPLORE DATA SOURCES](#)

ARES Architecture

- AresIndexer
 - R Package to summarize and index results from ACHILLES to be presented in the ARES interface
- ARES
 - Web based interface to review ACHILLES characterization and Data Quality Dashboard results

ARES Demo

ARES

- Ongoing development
 - UI Refactor
 - DuckDb Support
 - Additional reporting
 - WebAPI Integration

Join the Journey

<https://github.com/ohdsi/ares>

<https://github.com/ohdsi/achilles>