

OHDSI Standardized Data Network

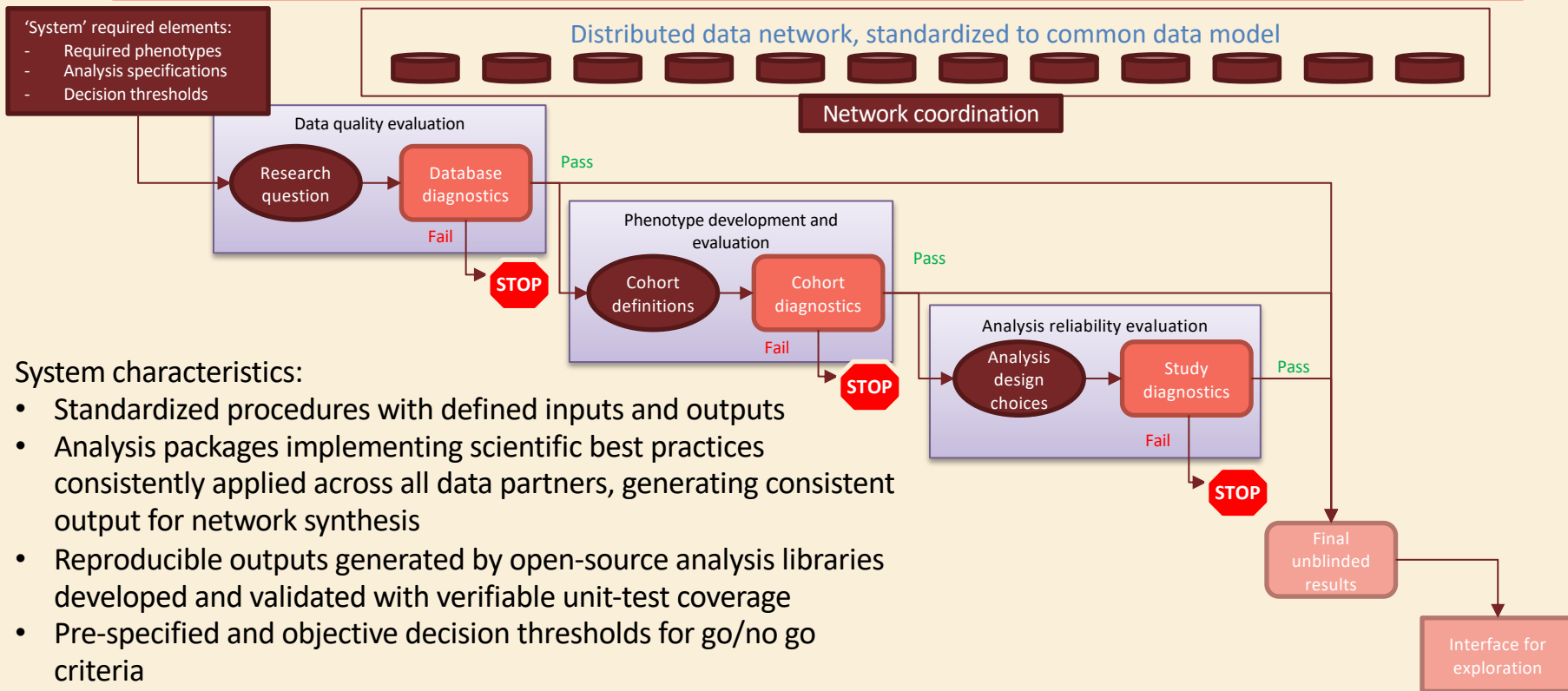
24 January 2023



OHDSI
OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS



Engineering open science systems that build trust into the real-world evidence generation and dissemination process



System characteristics:

- Standardized procedures with defined inputs and outputs
- Analysis packages implementing scientific best practices consistently applied across all data partners, generating consistent output for network synthesis
- Reproducible outputs generated by open-source analysis libraries developed and validated with verifiable unit-test coverage
- Pre-specified and objective decision thresholds for go/no go criteria
- Measurable operating characteristics of system performance

Database diagnostics

Challenge: Database selection is often subjective and opportunistic, based on pre-conceived notions of data acceptability

Objective: Provide objective criteria with pre-specified decision thresholds for identifying candidate databases across a network that may be eligible for contributing to an analysis, without requiring direct data access

Approach: Using only aggregated summary statistics from each data partner (via ACHILLES), assess data fitness-for-use in terms of patient demographics, domain coverage, longitudinality, and capture of target/comparator/outcome



[main](#) 1 branch 1 tag

[Go to file](#) [Add file](#) [Code](#)

clairblacketer Correct output format from wide to long	5e7945c 20 hours ago	🕒 45 commits
R	Correct output format from wide to long	20 hours ago
extras	completed code review	13 days ago
inst	Correct output format from wide to long	20 hours ago
man	Correct output format from wide to long	20 hours ago
.Rbuildignore	Add executeDbDiagnostics function	15 days ago
.gitignore	Cleaning up files	5 months ago
DESCRIPTION	Use writeCsv function from CohortGenerator	7 days ago
DbDiagnostics.Rproj	Fix name of .Rproj file	8 days ago
NAMESPACE	completed code review	13 days ago
README.md	Update README.md	14 days ago

☰ README.md

DbDiagnostics README

The `executeDbProfile` function in this package relies on the [Achilles](#) and [DataQualityDashboard](#) packages to run a subset of characterization and data quality analyses. This subset is referred to as the database profile. This profile will be used to determine if a database has the necessary elements required to run a study.

It works by connecting to a database through a `connectionDetails` object created by the [DatabaseConnector](#) package. It will then check to see if Achilles results are already present. If so, it will export those results. If not, it will run the required Achilles analyses and then export. Then, it will run a set of [DataQualityDashboard](#) checks and export those

About

Package to profile a database and execute data diagnostics based on individual analysis settings

[Readme](#)

☆ 0 stars

👁 11 watching

🍴 0 forks

Releases 1

DbDiagnostics v0.1 Latest
on May 5

Packages

No packages published
[Publish your first package](#)

Contributors 3

clairblacketer

msuchard Marc Suchard

dfefalco Frank DeFalco

Languages



Given a specific research question, what databases in the OHDSI Network are most relevant and appropriate to use in order to generate the most relevant and reliable evidence?



Demo

Vision

OHDSI Network



Now

We have an R package that aggregates an ACHILLES subset and can return Data Diagnostic Results for a specified question



Future

We want a website that anyone can access and ask their questions of the Network



Data Network Workgroup

Join Us!

"The first meeting will be on **Wed, Jan 26 at 9:30am eastern** in Teams"



"We can use your insight on how to **motivate** the community to **contribute!**"



Instructions for use

If you have a free account, in order to use this template, you must credit [Slidesgo](#) in your final presentation. Please refer to the next slide to read the instructions for premium users.

As a Free user, you are allowed to:

- Modify this template.
- Use it for both personal and commercial projects.

You are not allowed to:

- Sublicense, sell or rent any of Slidesgo Content (or a modified version of Slidesgo Content).
- Distribute Slidesgo Content unless it has been expressly authorized by Slidesgo.
- Include Slidesgo Content in an online or offline database or file.
- Offer Slidesgo templates (or modified versions of Slidesgo templates) for download.
- Acquire the copyright of Slidesgo Content.

For more information about editing slides, please read our FAQs or visit Slidesgo School:

<https://slidesgo.com/faqs> and <https://slidesgo.com/slidesgo-school>