ATLAS Survey 4:
Characterization, Incidence, Pathways

OHDSI Community Call

24 June 2025

Agenda

- Atlas Review: What is Atlas?
- Development Status: 3.x and 4.x Planning
- What we need from you….
- Survey 3 Response Review
- Survey 4 Introduction

Atlas Review: What is Atlas?

- Atlas is a web-based application enabling non-programmers to design and fully specify elements that can be used in observational studies
- It is our primary interface for developing and evaluating cohort definitions
- Functions include:
  - Vocabulary Search (vocabulary exploration)
  - Concept Sets (code lists)
  - Cohort Definitions (population identification)
  - Characterization (incidence, pathways, proportions of concepts)
  - Analytics (population level estimation, patient level prediction)

Development Status: 3.x and 4.x Planning

- The 2.x line of Atlas is at end of development
  - Maintained for current users, hotfixes will be accepted
- The 3.x is under development, based on community feedback
  - Surveys are used to identify what we will carry forward
  - Technical updates are required (JDK updates, dependency review)
- The 4.x will make changes to application design based on user interviews and data collection by Data4Life.

What we need from you….

We will be showing you a set of features in Atlas 2.x (2.14) and we need your input about frequency of use and importance of the features.

How frequently do you use this feature?

- Never used: you either did not know of, or never used this feature in Atlas
- Rarely used: you use this feature <25% of the time using atlas.
- Sometimes used: you use this feature 25% to 75% of time using Atlas.
- Often used: you use this feature most of the time in atlas (> 75%)

How important is this feature in your work?

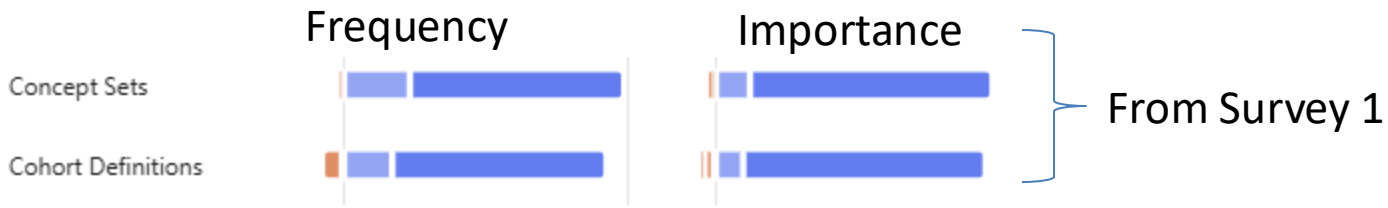
- Not Important: The item is of no significance.
- Slightly important: The item has little significance and is often overlooked.
- Moderately important: The item is somewhat significant and should be considered.
- Extremely important: The item or factor is critical and cannot be ignored.

Feedback from these surveys will determine which aspects of the application get priority.

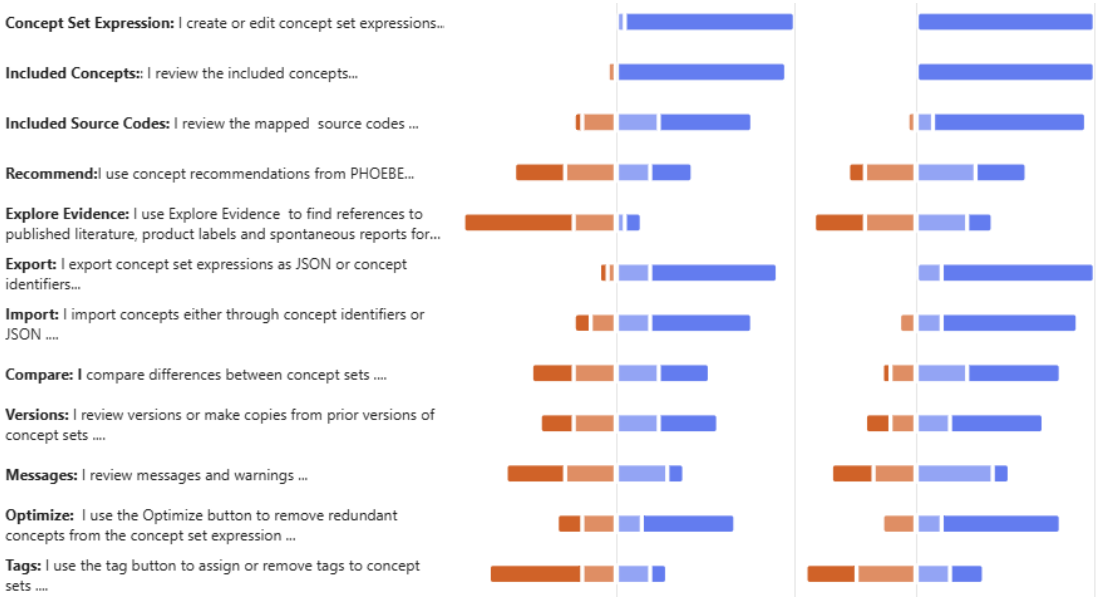
Survey 3: Response Review

Link: https://forms.cloud.microsoft/r/7uVtHr0KTR

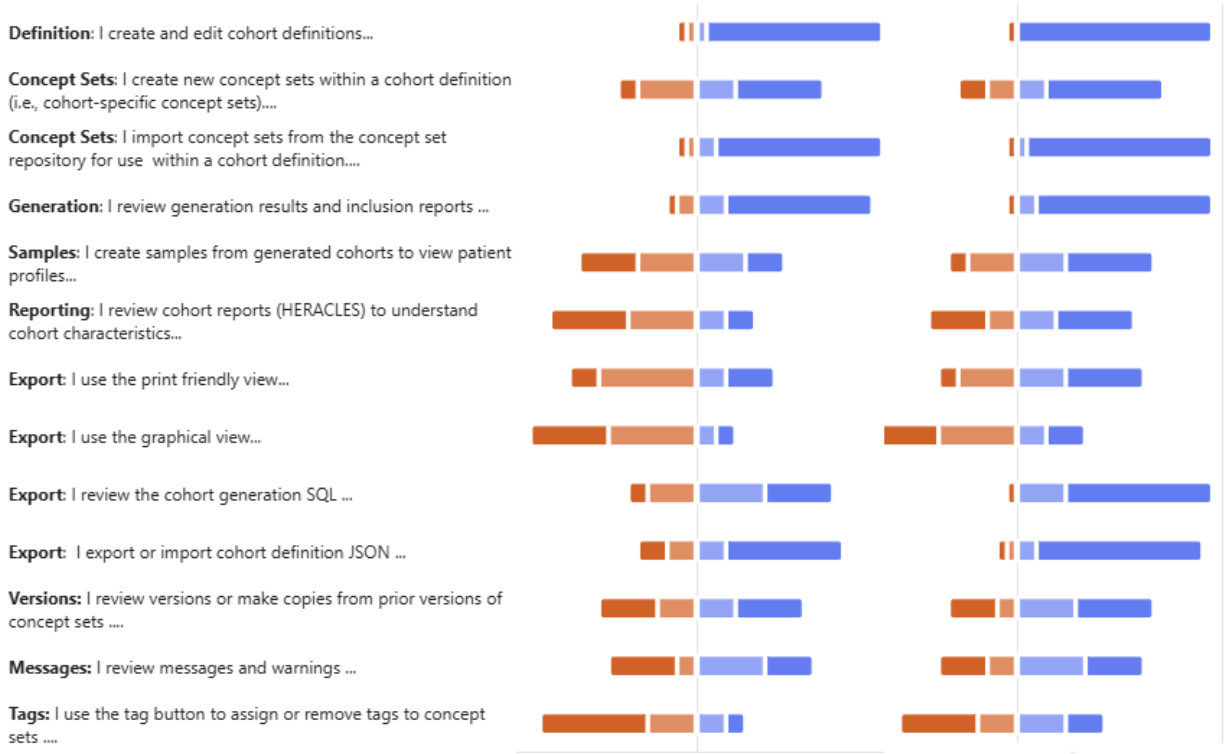
Total Responses: 21



Concept Sets



Cohort Definitions



Survey 4: Characterization, Incidence, Pathways

There are **four** main parts of Survey 4:

- Custom Features: used in characterization analyses.
- Characterization: Calculated proportions and distributions of population features
- Incidence Rates: Calculates rates of outcome (O) among target cohort (T)
- Cohort Pathways: Aggregate sequences of event cohorts (E) among target cohort (T)

Survey 4 Walkthrough and Demo

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Survey 4: Information

- Survey link: https://forms.cloud.microsoft/r/azjcviTd65
- Forum post: https://forums.ohdsi.org/t/atlas-3-0-user-surveys/23821

Please feel free to share the survey link to anyone who is an Atlas user.

All input is welcome!

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Thank You!