INTRO
• Many organizations find OHDSI tools challenging to implement due to technical challenges, but more importantly, philosophy differences.
• Project TITAN is an effort to launch OHDSI tools to our organization, which, after adopting OMOP CDM v5.3.1, was primed for using Atlas.

METHODS
1. Databricks support: we modified the SqlRender package to produce Spark SQL by studying the Databricks and Spark reference materials
• Provisioned public Databricks cluster for the OHDSI testing environment to ensure continuous integration testing suite can be executed
2. Large user base: we ran a focus group of 10 users to gather initial feedback on training materials and the usability of Atlas.
3. Enhancements to Atlas: developed to address limitations found early in the pilot.
• Tagging for better organization
• Versioning to ensure no study asset iterations are lost
• More direct prevalence of standard concepts in search results via person counts
4. OHDSI training materials: The Book of OHDSI, YouTube, and EHDEN Academy courses provided the basis of a curated training curriculum.

RESULTS
• SqlRender modifications for Spark produced appropriate SQL commands and queries generated by Atlas/WebAPI, Achilles, and DataQualityDashboard
• Training of 10 focus group users was successful
• Over 200 concept sets, 30 cohort definitions, and 15 cohort characterizations were authored by users over a 2-month period
• The Book of OHDSI was a useful overview of the entire ecosystem for users new to the space
• Comparison of reference code lists against newly authored concept sets was challenging, but increased practice reduced this need over time

DISCUSSION
• Training a large group of users on Atlas is most efficient when utilizing a diverse set of training materials from OHDSI, customized for the organization’s strategic needs
• By piloting with a representative user group, we developed enhancements to Atlas to address usability concerns that appear to be important additions for workflow management with a large user base
• Collaboration with key OHDSI stakeholders was useful in ensuring these new additions were a seamless fit with existing code bases and software philosophy for all Atlas users

With the right user training and willingness to contribute open-source technical solutions, joining OHDSI does not have to be harder than the Odyssey.