“De-identified” OMOP

Refreshed 1-2 times a year

Access to 15K users via clinical system
  - “Can I have this for my patient list”

Use it to collaborate with clinical researchers
  - “Data consultation” ~10/yr
  - Improves our data

Another version for DBMI
Security is managed centrally through AD server.

Generally two minor version behind current Atlas version.
OMOP CUMC Background Documentation

Created by David Blatt, last modified by Maura Beaton on Mar 09, 2021

- Important Background Information
  - How are patients defined?
  - How to update the OMOP ETL pipeline

What is OMOP?

The Observational Medical Outcomes Partnership (OMOP) CDM, offers a solution unlike any other. OMOP found that disparate coding by standardized vocabulary. Once a database has been converted to the OMOP CDM, evidence can be generated using standardized analyt for data quality and characterization, medical product safety surveillance, comparative effectiveness, quality of care, and patient-level pr some of them commercial. Below is the specification of the OMOP CDM 5.11.
Leveraging OMOP

- Support research data requests
- Handle operational requests
  - Hybrid approach
  - US News Report
    - Half the time (4 vs 8 weeks)
    - Reusable code
Sample Question – Leveraging Terminology

Percentage of all diabetes (Type 1 and 2) patients that are < 18 years of age and seen 2 or more times in the last calendar year being treated by your Pediatric Endocrinology Program who had an outpatient visit that provided diabetes education in the last calendar year?

- Query outpatient data for 2 or more visits
- Filter on age
- Diabetes education???
  - Educators:
    - Jane Doe RN CDE (started 6/2019)
    - Jane1 Doe1 RD CDE (Left 6/2019)
    - John Doe RD CDE
    - ...

(Simple Query)

(MED)

(Class-based Query: Social Work)
Question/Discussion