Imaging OHDSI WG

From pixels to Phenotypes

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Imaging WG Goals

1. The ability to bring features derived from medical images into the OMOP data model while maintaining provenance.

2. Ability to perform cohort definitions in OHDSI for medical imaging research studies

3. Supporting deep learning research on medical images as part of the prediction modeling in Atlas.

4. Develop infrastructure for reproducible research on medical images.

5. Evaluate federated learning as part of a network study.

2024 OKRs

- Objectives: Identification of heterogeneity of DICOM metadata across institutions
- Key Results
  - Harvesting DICOM standards
    - Vocabulary
    - Data Quality tests
  - Evaluating real-world DICOM compared with the DICOM standards
    - Alzheimers
    - Covid
    - Lung cancer