P Phenotype Observed Entity Baseline Endorsements (PHOEBE)
Designing an observational study

Identify patients of interest
(create cohort)

Translate clinical idea into codes
(create concept sets)
Create comprehensive concept set

Limitations of published phenotypes:

Only one vocabulary used or only applicable to one data source

Large number of relevant vocabularies to chose from (SNOMED, CPT4, HCPCS, ICD flavors)

Convoluted hierarchies

Large number of concepts in any concept set with no way to figure out if you forgot something
PHenotype Observed Entity Baseline Endorsements (PHOEBE)

Initial concept selection

Recommendations based on ontology, lexical match and network use

Concept set modification

Review included, excluded and potentially relevant concepts
PHOEBE link: https://data.ohdsi.org/PHOEBE/

Links to sample concept sets:

- **Original**: http://atlas-demo.ohdsi.org/#/conceptset/1868814/expression
- **Modified**: http://atlas-demo.ohdsi.org/#/conceptset/1868818/expression