

PHenotype Observed Entity Baseline Endorsements (PHOEBE)

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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:

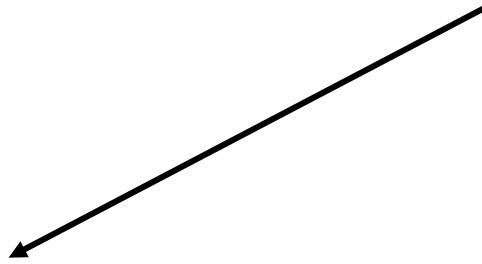
Only one vocabulary used or only applicable to one data source

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

Convoluting hierarchies

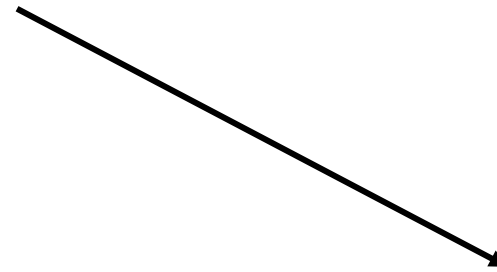
Large number of concepts in any concept set with no way to figure out if you forgot something

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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>