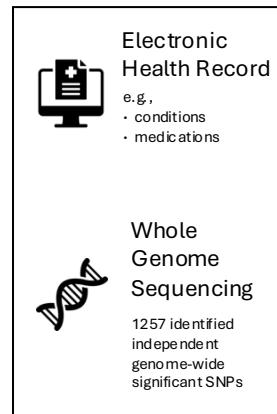


a Data Resources

For Development

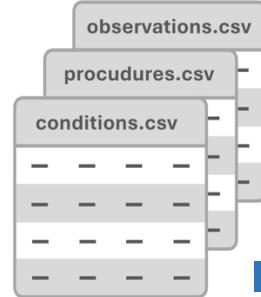


For Validation



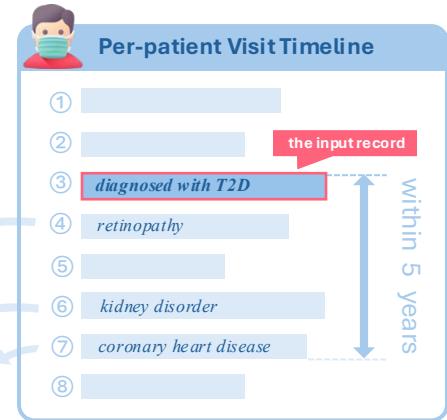
b Data Preprocessing

EHR Data under OMOP CDM



Flattening

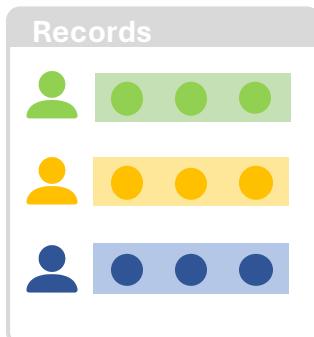
multi-hot labeling



c Hypergraph-based Prediction & Subtyping

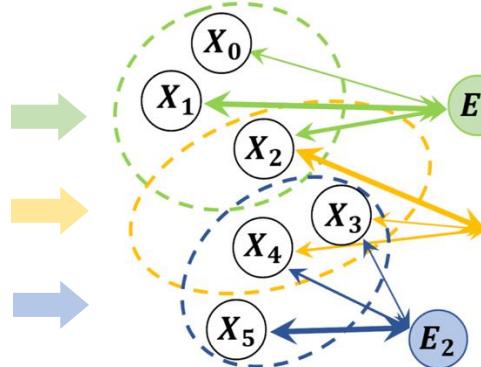
Model Input

initial T2D diagnosis visit
for each patient
(diabetic codes excluded)

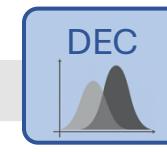


Hypergraph Learning

EHR codes as nodes,
patient visits as hyperedges



Self-supervised Clustering



clusters assignment

