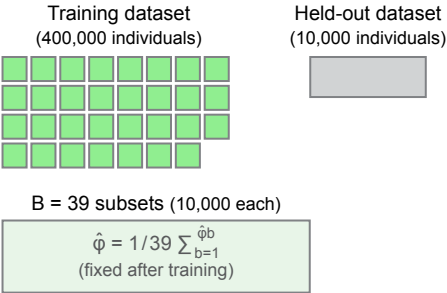


A Retrospective analysis (Figs. 2–4)

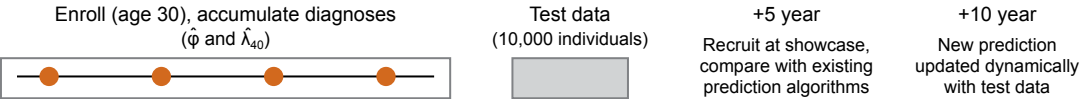
Training approach for $\hat{\phi}$ and $\hat{\lambda}$ estimation:

- Use bootstrap resampling for robust $\hat{\phi}$ estimation
- Apply genetic mean correction for confounding variables
- $\hat{\phi}_e$ represents estimate from single bootstrap sample



B Retrospective analysis (Fig. 5)

Prediction evaluation with temporal censoring: estimate $\hat{\lambda}_{40}$ on test data



C Cross-study stability of retrospective estimates (Fig. 2D)

