

CPOP

Cross-Platform Omics Prediction

The vision of a clinical risk score

- ▶ Framingham risk score: all predictors are on an absolute scale
 - ▶ Age (Years)
 - ▶ Cholesterol (mg/dL)
 - ▶ If smoker (Yes/No)
 - ▶ HDL cholesterol (mg/dL)
 - ▶ Systolic blood pressure (mm Hg)



COX PH MODEL

$$\hat{y} = X\hat{\beta}$$