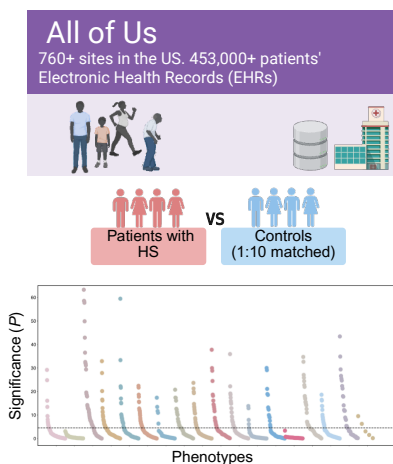
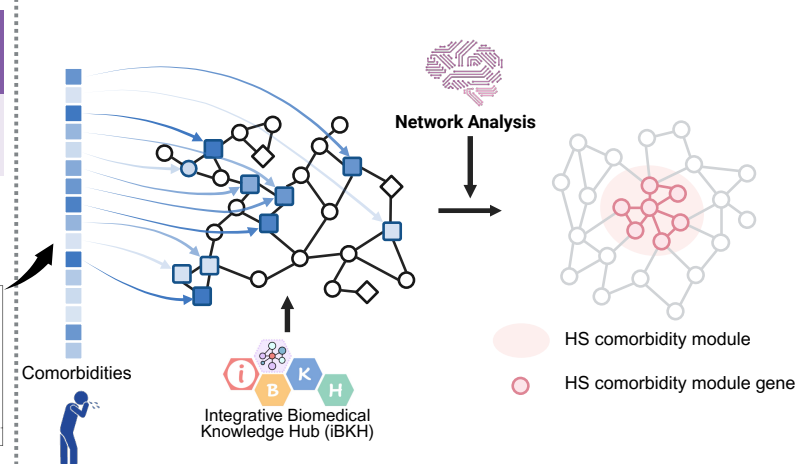


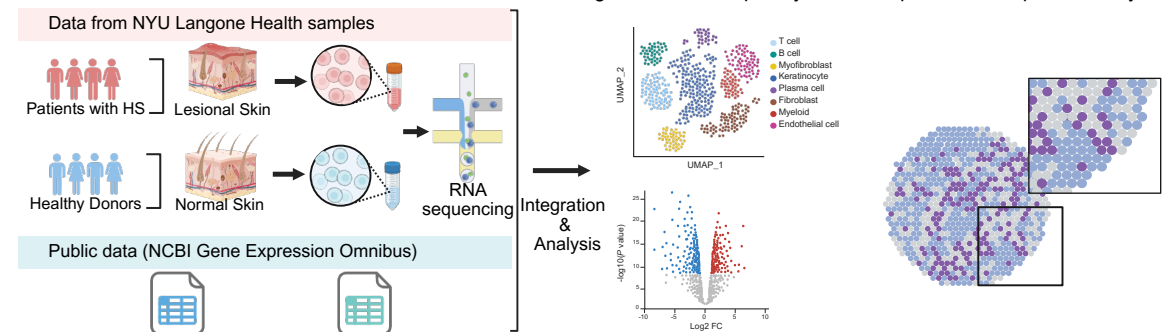
A HS comorbidity association analysis



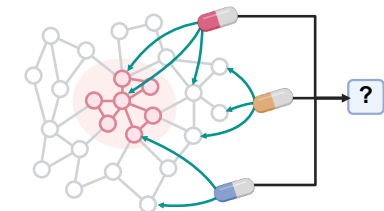
B HS comorbidity module identification based on biomedical knowledge graph



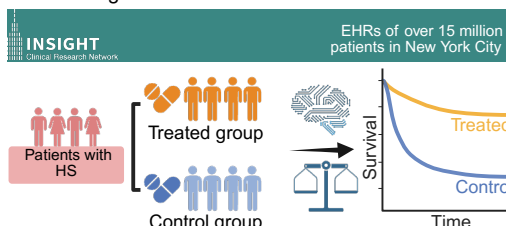
C



D Network-based *in silico* drug repurposing



E Large-scale RWD-based trial emulation



F *in vitro* validation

