



Data

HABM APCD; HC Inf APCD;
Medicare; SynPop, Mobility



Aim 1

Prediction of health-care access behavior

Temporal
GNN, fairness,
disparity,
clustering,
anomaly
detection



Speciality-
specific analysis

Aim 3



Vulnerable regions and
critical components of
the health infrastructure

Aim 2



Understanding
changes in health-
care infrastructure

Spatial
interaction
models,
structural and
functional
perturbation



Privacy

Aim 4
Dashboard

Public health and
clinician team

General public