

Aim 1

**Learning healthcare
access behaviors**

Aim 3.1

**Estimation of
scarcity metrics in
specified regions**

HABMs, HCI ac-
cess, and availability

Aim 3.2

**Discovering vulner-
able regions w.r.t.
healthcare metrics**

Lower bounds on travel
distance, upper bounds on
#providers and capacities

Aim 2

**Changes in distri-
bution of providers**



Improved vulnerability
and scarcity mappings
using the new metrics

Public health and clinician team

General public

Dashboard