Has she access?

Measuring Family Planning access through the combination of multiple data sources and geospatial intelligence
Our technologies promote smarter allocation of global health resources in emerging economies so they get to where it matters most.
21 COUNTRIES
An estimated 225 million women in developing countries have an unmet need for a modern contraceptive method.

54 million unintended pregnancies, 26 million abortions, and 7 million miscarriages; as well as 79,000 maternal deaths and 1.1 million infant deaths.

(Guttmacher, 2014)
Western Africa

28% of the women have unmet Family Planning needs

Senegal
26% of the women have unmet Family Planning needs

Bénin
36% of the women have unmet Family Planning needs

(Track20.org 2014)
The problem: Has she access?

Keywords: Adolescents, Quality of care, Geographical access, Schools, Human resources, Formation, Confidentiality, Religion, Kaloak, Stockouts, Method Mix, Alibori
Combine public and private sector health system data, survey data, big data sources and geospatial intelligence in a country-level family planning web dashboard.
How

Starting point

Bénin

41,17k
Accouchement eutotique assiste

18,79k
CPN 4 Standard

63,53k
Nombre d'enfants ayant reçu le Penta 3

2,77€
Paiment

dhis2

Data Warehouse
DHIS2 & Data Viz

Open health system data in Benin with Data Viz
A Family Planning dashboard
How Enrich with multiple health facility data sources

Private sector service provision data

Quality of care

Health Facility Assessments

Patient Feedback

FP dashboard
How

Enrich with demographic data and big data sources

Demographic and Health Survey

Burden of disease

Open Street Map
How to Enrich with demographic data and big data sources

- Burden of disease
- Open Street Map

Demographic and Health Survey
To

Time distance of women of child bearing age (WOCBA) to health centers
Inclusion of the private sector data

Time distance of women of child bearing age (WOCBA) to health centers
Taking account service availability disruption

Time distance of women of child bearing age (WOCBA) to health centers

Availability disruption

(i.e. stockouts)
Time distance to nearest facility

Theoretical
Service availability interruption

Share of all women in childbearing age (%) vs. Time distance to nearest health facility (h)
Multi-criteria analysis

Where are investment priorities?
Thank you