Senegal HOT microgrant analyses

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To compare newly collected data on Senegal health facility locations with that from healthsites.io, WHO. Part of HOT microgrant. November 2020

High quality tiff images available here : https://github.com/afrimapr/afrimapr_dev/tree/master/2021-02-senegal-plots

Note that for the data in OSM/healthsites before this collection :

197 hospital locations in Senegal from OSM using **amenity** =='hospital'. Many of the names make them look like they are not hospitals.

If instead look for hospital in the **healthcare** tag get **41** hospitals which seems more reasonable.

health_amenity_type in a handful of cases has info on services e.g. ultrasound & one operating theatre.
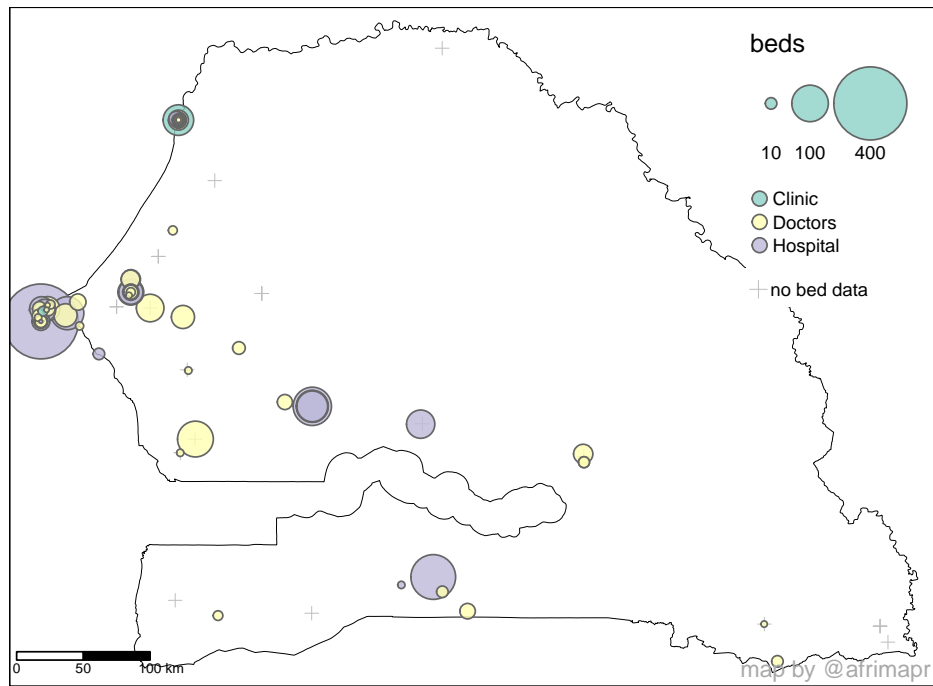
specialty has information on e.g. paediatrics in a couple of cases.

Currently seemingly not possible to tell difference between absence of a service & absence of data.
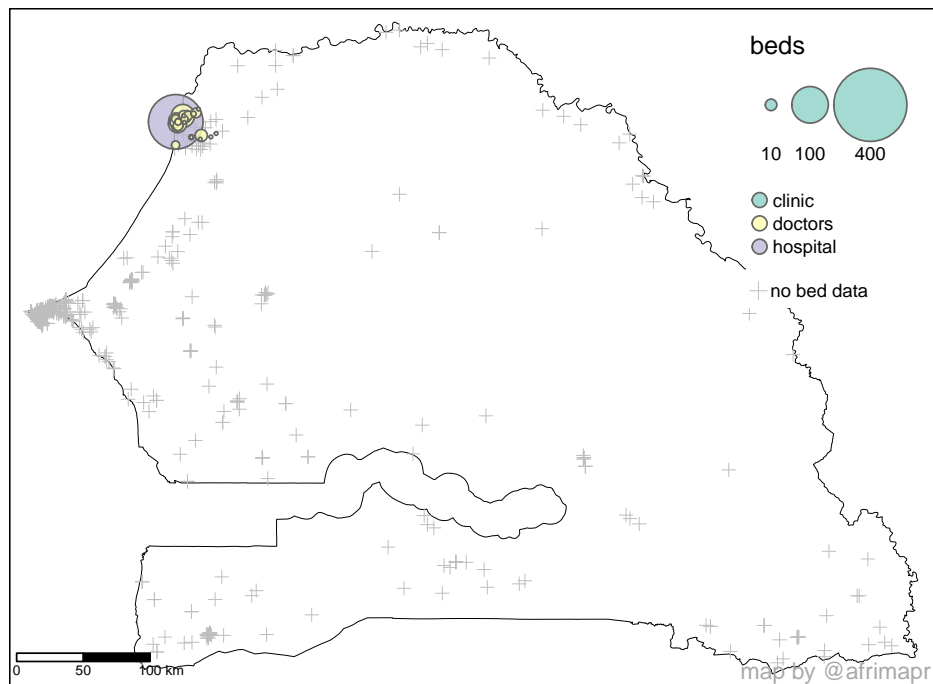
Plenty of potential to standardise & improve how the data are stored even within current OSM setup.

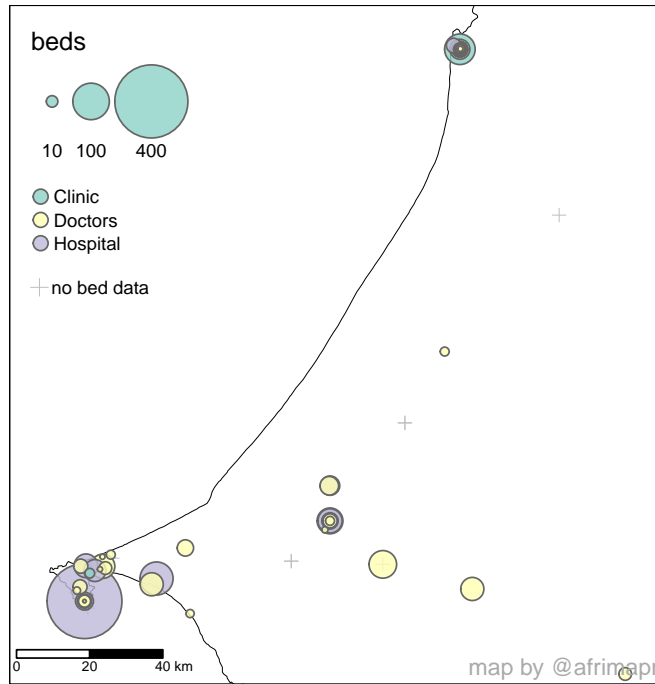Number of beds per facility in survey data and before.

Bed data collected 2020
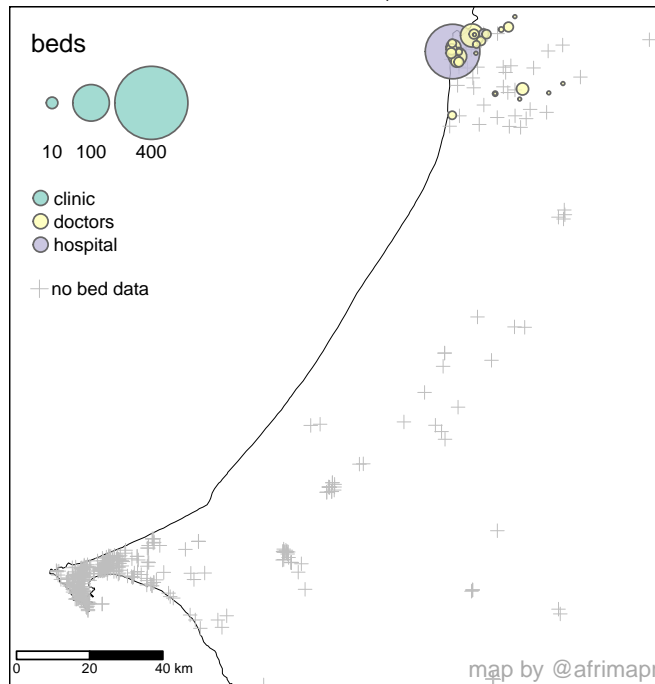

Bed data in OSM before 2020

Beds, zoomed in on Dakar & St Louis
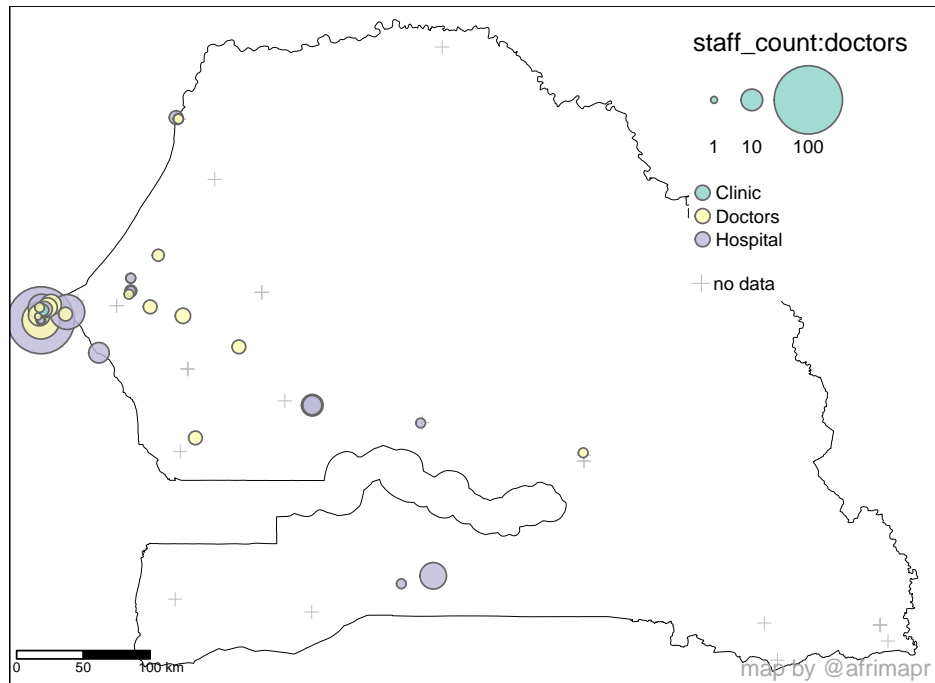
Bed data collected 2020, Dakar & St Louis

beds

10 100 400

● Clinic
○ Doctors
● Hospital

+ no bed data

0   20   40 km

map by @afrimapr

Bed data in OSM before 2020, Dakar & St Louis

beds

10 100 400

● clinic
○ doctors
● hospital

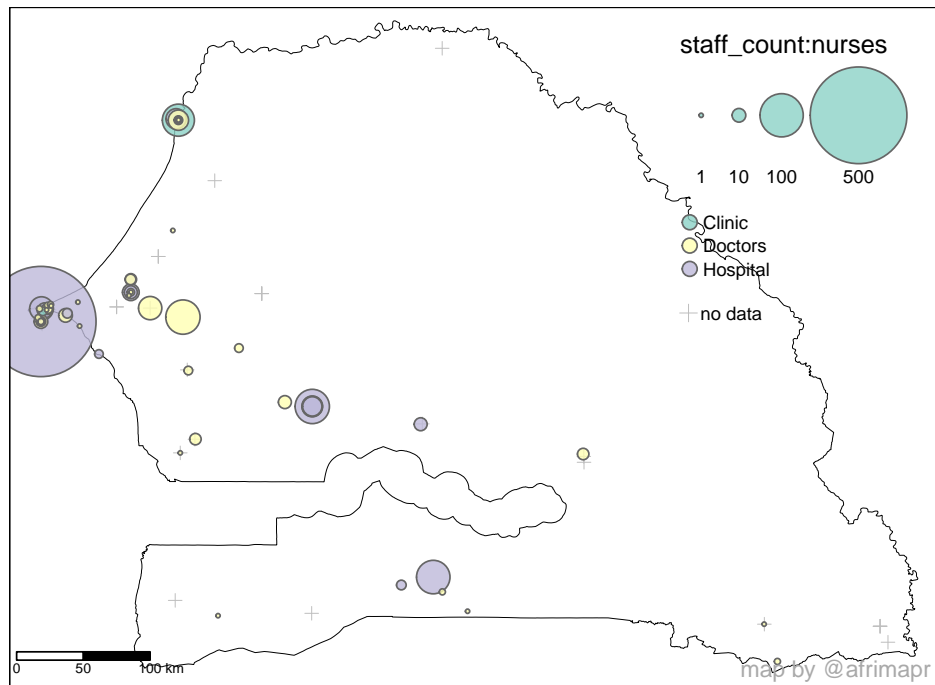+ no bed data

0   20   40 km

map by @afrimapr

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Doctors

Doctor number data collected 2020
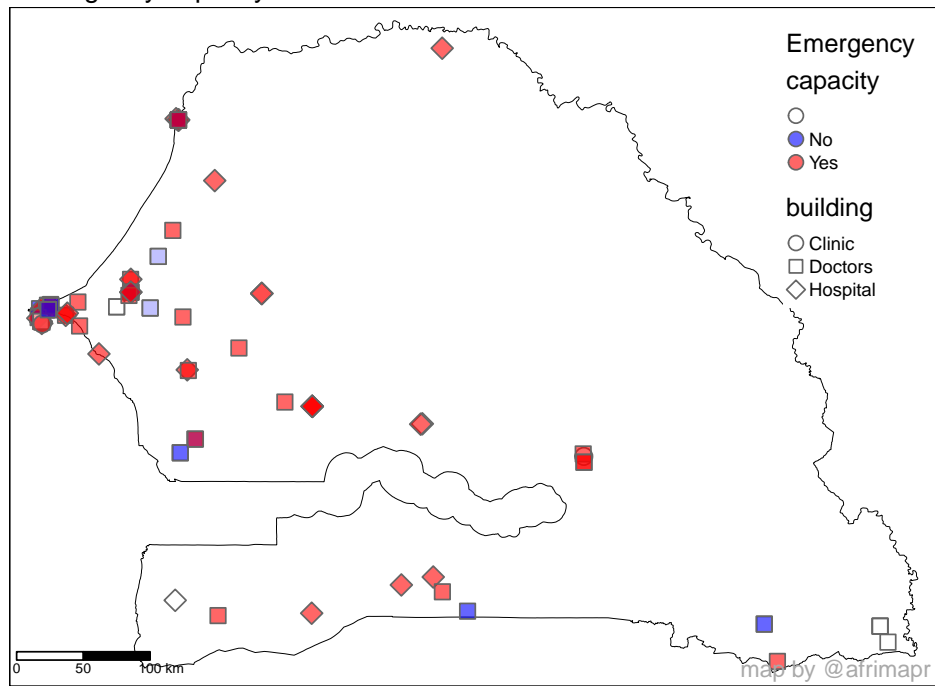

Nurses

Nurse number data collected 2020
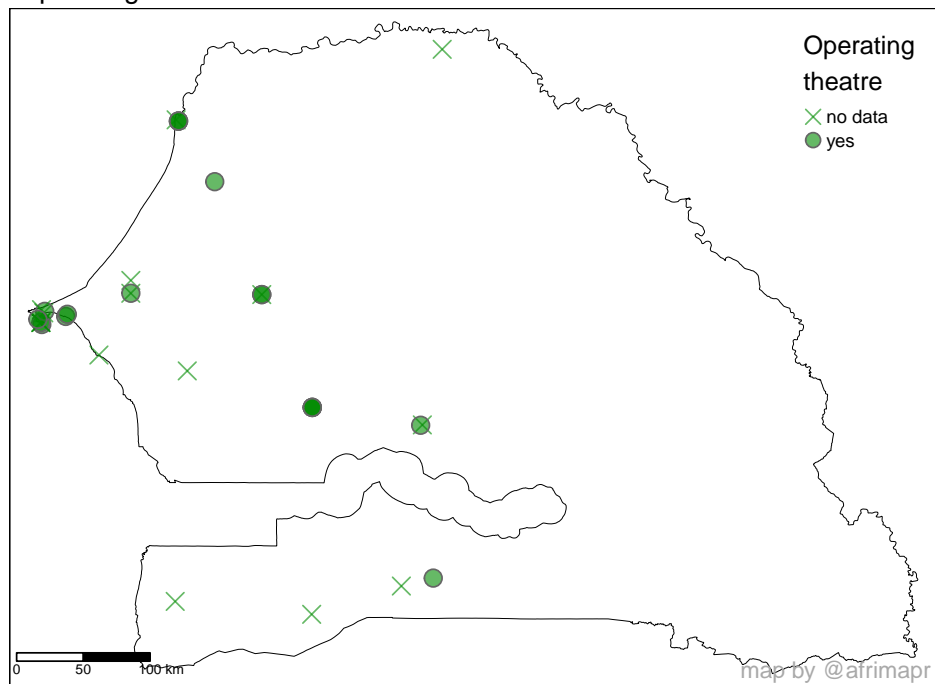
Emergency

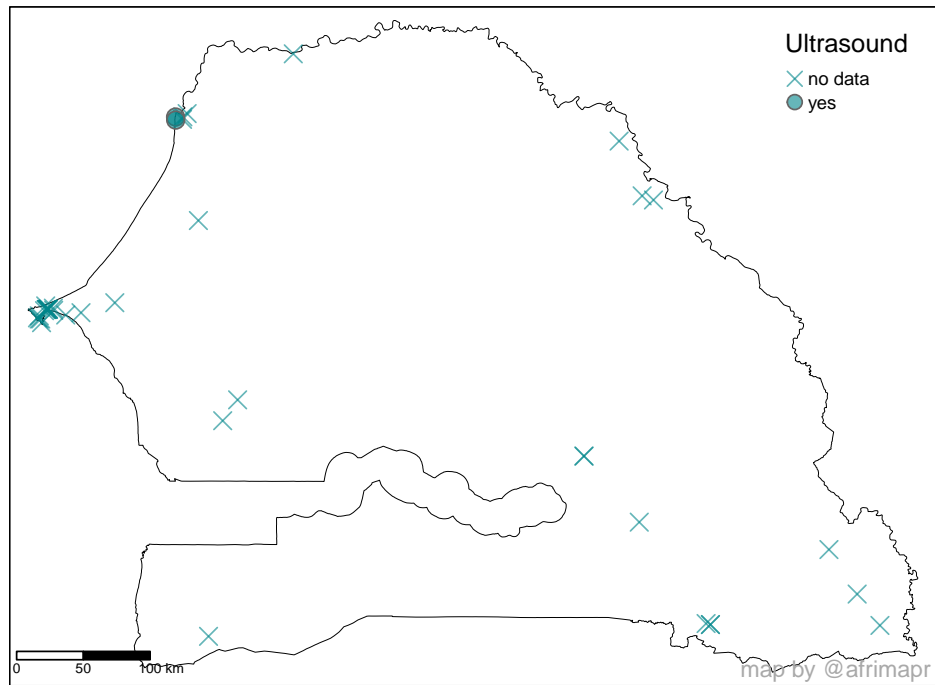Emergency capacity data collected 2020

map by @afrimapr

Operating theatre data in OSM before 2020
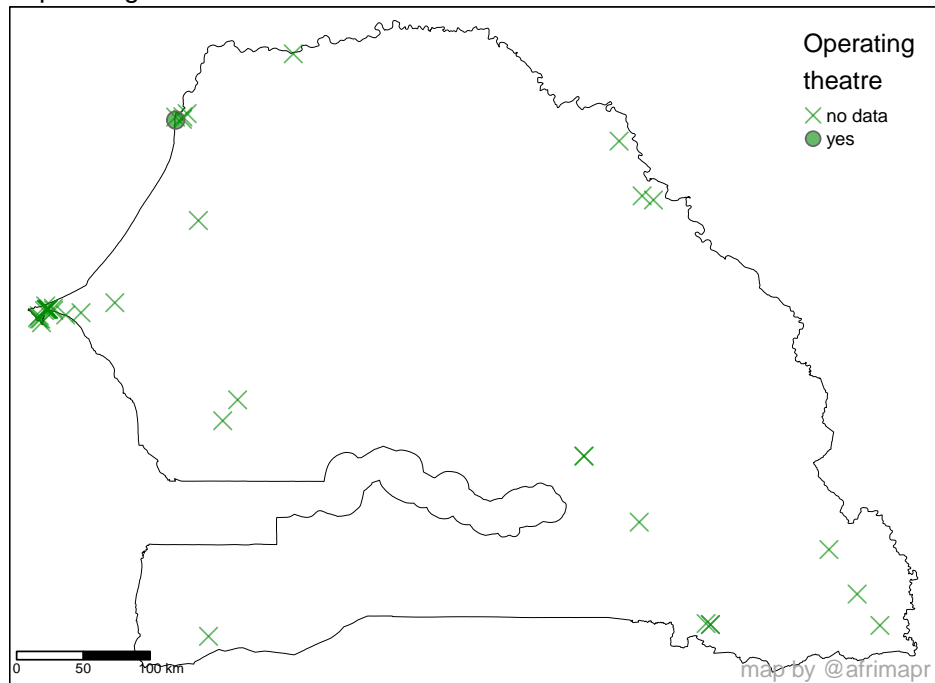
Operating theatre data collected 2020

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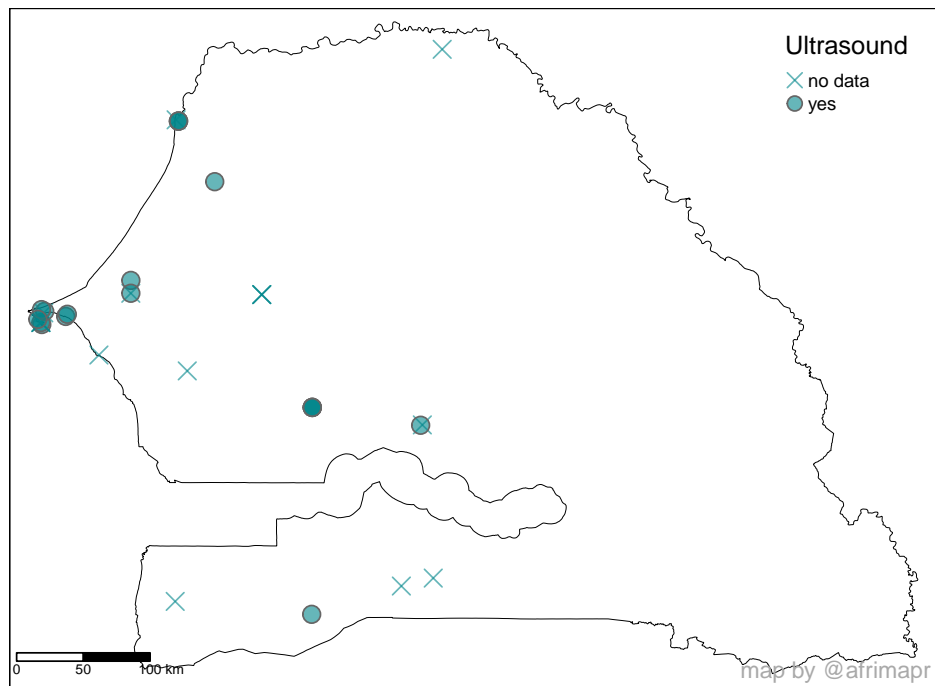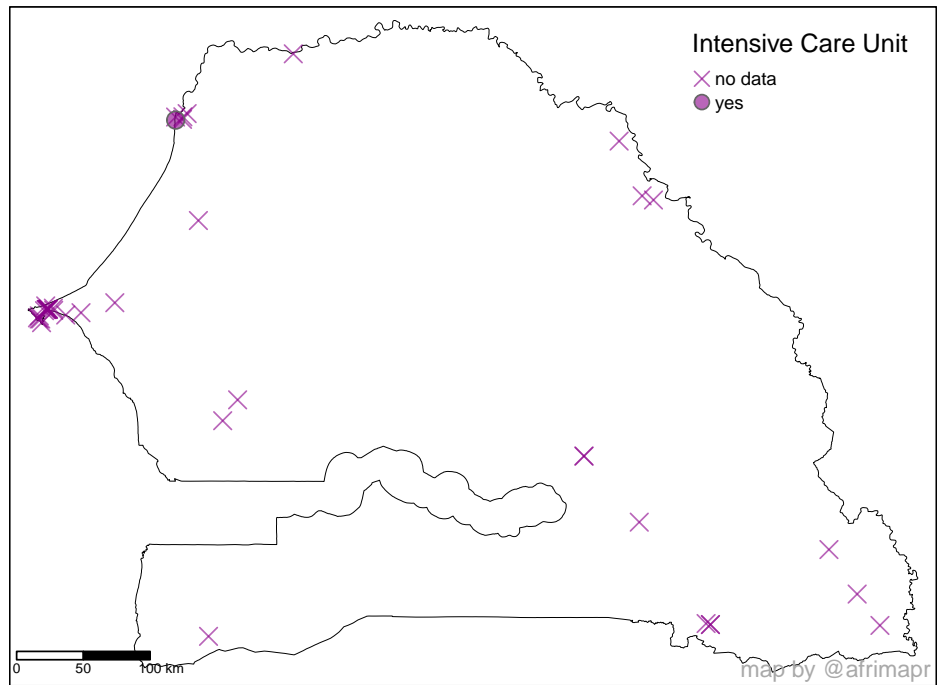## Ultrasound data in OSM before 2020

Ultrasound data collected 2020

ICU data in OSM before 2020

ICU data collected 2020