



healthsites.io

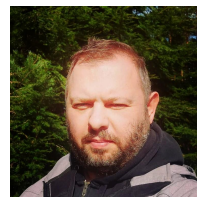
Building a baseline of health facility data with OpenStreetMap



Tim and Mark - Founders



Irwan - Developer



Janusz - System engineer



Xavier - Public Health Specialist



Lamine - OpenStreetMap Field operations



Awa - User Experience



Currently health facility data is..inaccurate, duplicated,
and incomplete





We need health facility data to be open and updated to improve service delivery.



gth_hs_osm 12:42

* Services disponibles

- Dispensaire
- Pharmacie
- Hôpital
- Clinique
- Dentiste
- physiothérapeute
- Soins alternatif
- Laboratoire
- Optométriste
- Réanimation
- Banque de sang
- Maternité



Access to quality health services is a human right



How we can help you

- A data collaborative driven by Human Centered Design
- Field validation campaigns
- Accessible geospatial health facility data
- Data imports to OpenStreetMap



How we can help you

- Validated geospatial health facility data
- Emergency health status
- Number of Doctors and Nurses
- Number of beds available
- Electricity type
- Updated telephone number
- Opening hours

centre de sante de dagana

hospital

last update: 31 August 2022 02:56:48, by @Lamine Ndiaye

Complete

lat: 16.51077366407702, long: -15.513126857937152

339531124

24/7

[OpenStreetMap](#)

| | |
|--------------------|---|
| Healthcare | hospital |
| Operator | Ministère de la santé et de l'action sociale |
| Electricity | grid |
| Emergency | yes |
| Insurance | public |
| Operational status | operational |
| Water source | powered pump |
| Wheelchair | yes |
| source | #senegal #covid-19 #emergency-health-data-validation #healthsites |
| uuid | 8ee8fd1a4090491e8dde63bfcd10976 |



Coverage of essential health services (SDG 3.8.1)

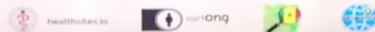
Indicators:

- Reducing maternal mortality
- Ending preventable child deaths
- Ending or reducing AIDS other diseases
- Universal health coverage
- Affordable essential medicines
- Sexual and reproductive health care
- Access to medicines



A data collaborative focused on health facility data

Atelier - 23 juillet 2017

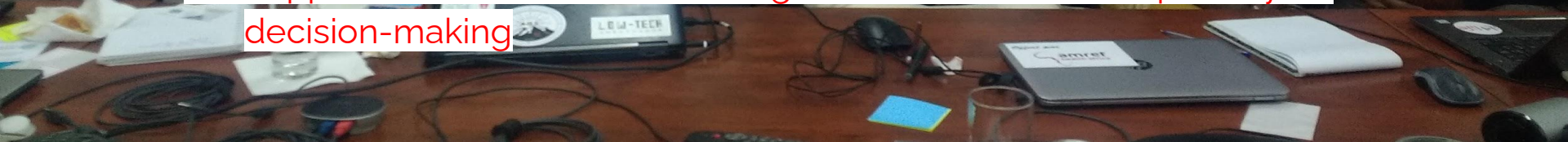


- Identify and share geospatial health facility data
- Identify gaps and barriers to sharing
- Develop a Logical Model in support of impact indicators
- Support stakeholders with sharing and the use of data especially for decision-making

Une collaboration pour des
WEST AND CENTRAL AFRICA - UCHA COVERAGE



DC T...
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P...
WIFI G...
Ha #





As a Pregnant mom I want to know where the nearest emergency health service is so that I can plan for potential complications during childbirth.



Maraye

Agnam Tounguel

Ndioum

Cas-Cas

Dagana

Ross Béthio

Mbane

Thioubalel Lao

Galoya Toucouleur



Emergency Rooms in Saint-Louis

Health Facilities in Saint-Louis with Emergency Rooms and Taxi Service locations.

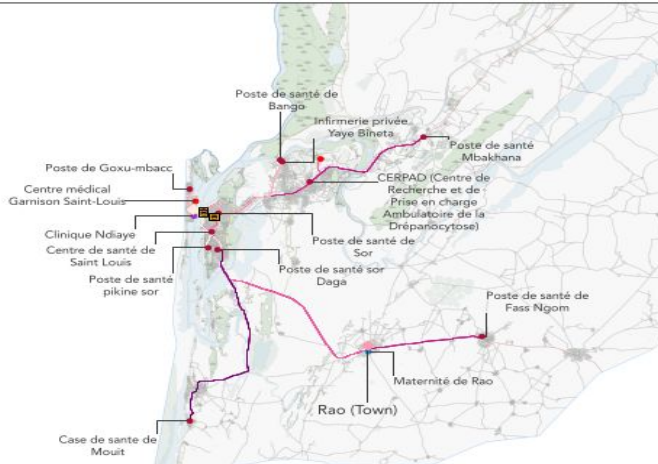
The inset **routes** map shows how long each route will take for a taxi driver to get to an emergency room.

Note how the four **taxi service** locations are within the Western half of Saint-Louis and only **three** of the taxis are with 20 minutes of **Emergency Rooms**.

This map makes use of **isochrones**. Isochrones show the area that is reachable from a starting point in a given amount of time or distance, for a certain method of transport. This can help you to understand how far you are in terms of travel time from a **school**.



| Facility Type | Transport |
|-------------------|----------------|
| Birthing Center | Taxi |
| Clinic | Driving Time |
| Doctor's Room | 5 min |
| Hospital | 10 min |
| Route Time (mins) | 15 min |
| 0 - 6 | 20 min |
| 6 - 12 | Settlement |
| 12 - 18 | City |
| 18 - 24 | Town |
| 24 - 30 | Village |
| Borders | State Boundary |

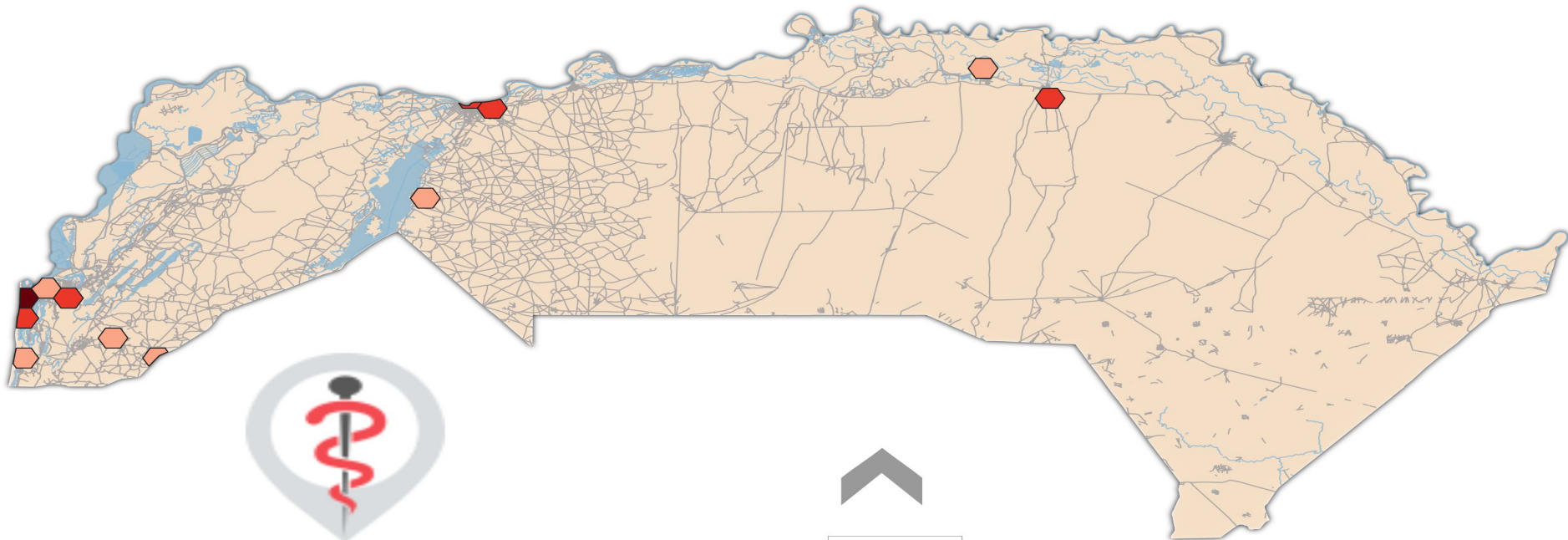


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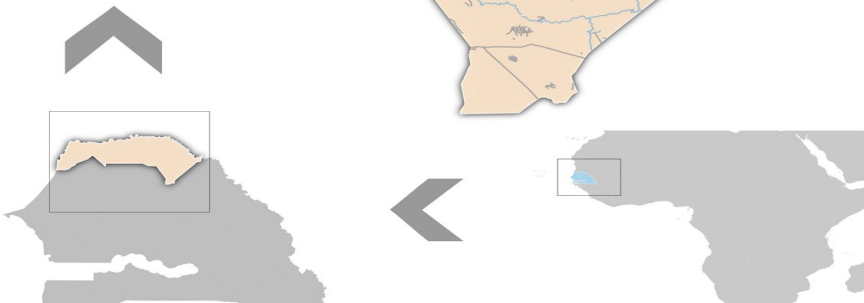
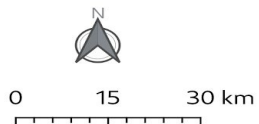
Pharmacy Distribution Density in Saint-Louis

This map illustrates pharmacy distribution density per 5km hex.



Number of pharmacies per Hex

- 0 - 1
- 1 - 6
- 6 - 35



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Visit <https://healthsites.io> for more information about our work. Data Courtesy of and Copyright OpenStreetMap Contributors. Coordinate Reference System: WGS 84 / UTM zone 28N EPSG:32628





[@sharehealthdata](https://healthsites.io/contact)



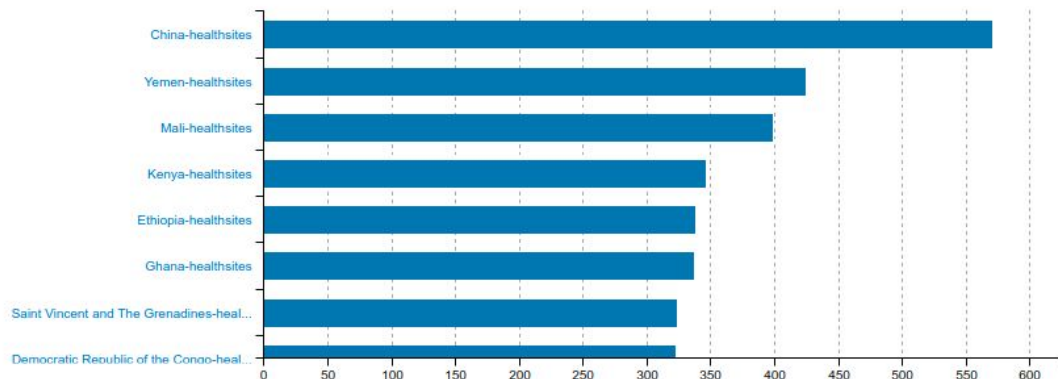


Strong demand for baseline health facility data

'Your organization's datasets were among the most downloaded on HDX in the second quarter of 2023. Thank you for your important contribution to the HDX community.'

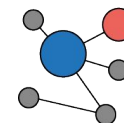
The Humanitarian Data Exchange

Number of Downloads (last 24 weeks)



Total number of downloads for this organisation's content

38,457



HDX

<https://data.humdata.org/organization/healthsites>



Institutional investments

- April 2016 - International Committee of the Red Cross (ICRC)
- December 2016 - Humanitarian Innovation Fund (HIF)
- January 2017 - Zika Grand challenge (USAID)
- June 2018 - Digital Square (PATH) Global Goods
- June 2020 - Wellcome OpenResearch
- June 2020 - Humanitarian OpenStreetMap Team
- January 2022 - COVIDaction - Saint Louis, Senegal - Emergency Health Data Validation



ICRC



Foreign, Commonwealth
& Development Office



Institutional collaborations

- **WHO Global Health Facility Database - Technical partner**
The GHFD is a key initiative of the WHO's Data, Analytics and Impact for Delivery (DDI) efforts.
- **WHO UNICEF COVAX GIS Working group - Technical partner**
The GIS working group is a joint effort of WHO and UNICEF born out of the COVAX Innovation Working Group.
- **Digital Square Global Goods - Global good**
Global Goods are digital health tools that are adaptable to different countries and contexts.
- **Digital Public Goods Alliance - Digital Public Good**
Promoting digital public goods to create a more equitable world
- **The Missing Maps - Project partner**
Missing Maps is a project led by a collective of organizations working towards a common goal of creating accessible map data where humanitarian organizations are operating.



World Health
Organization



Digital
Public
Goods
Alliance

