

# Comparing South Sudan Health facility location data from different sources

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2021-05-16

DRAFT Code for this document

We currently have access to the following sources of health facility locations for South Sudan.

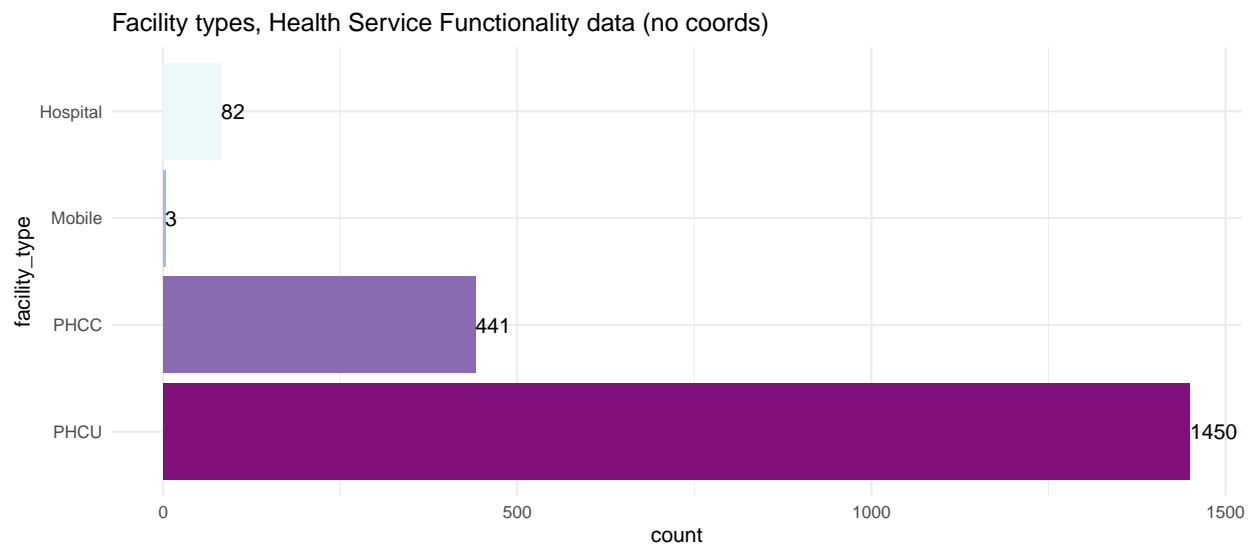
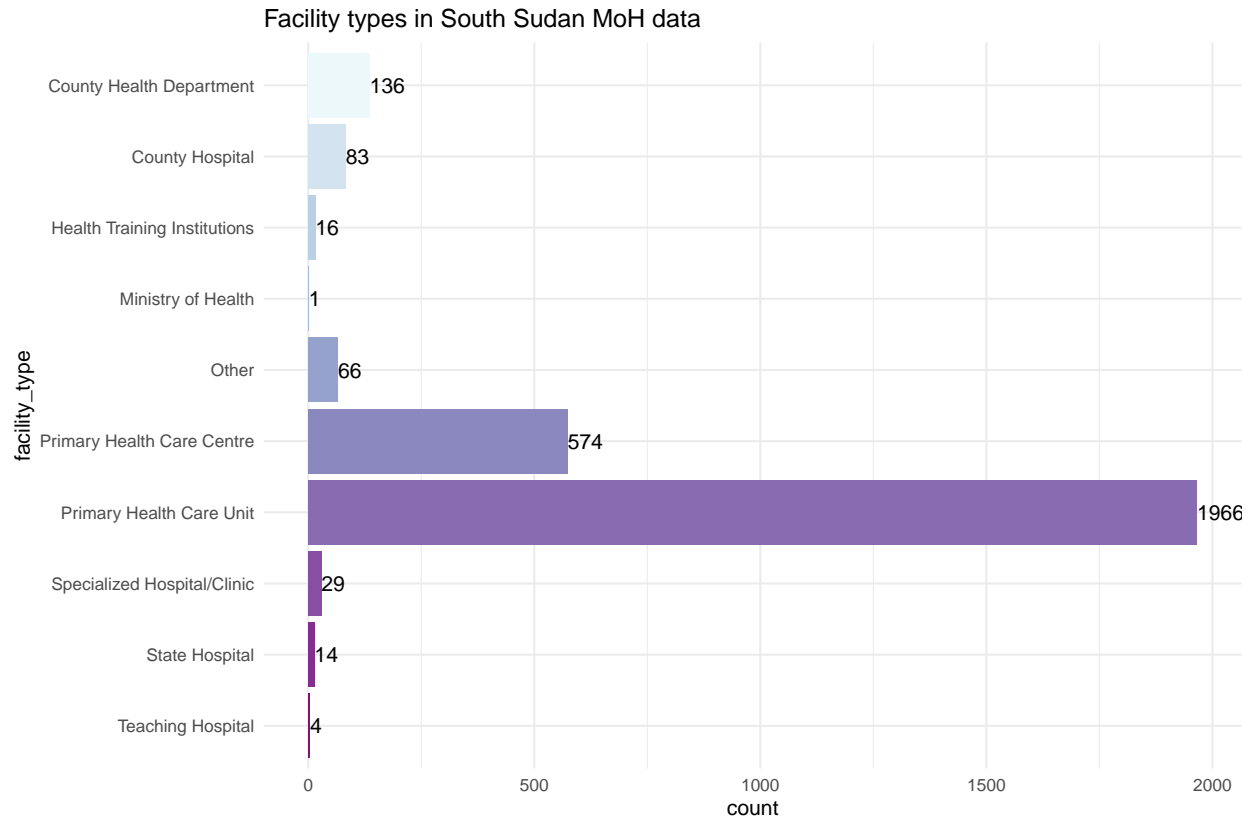
1. downloaded from Ministry of Health website <https://www.southsudanhealth.info/>
2. healthsites.io in OpenStreetMap
3. South Sudan Health Service Functionality Dashboard (locations not downloadable)
4. collated data from published paper Maina(2019)

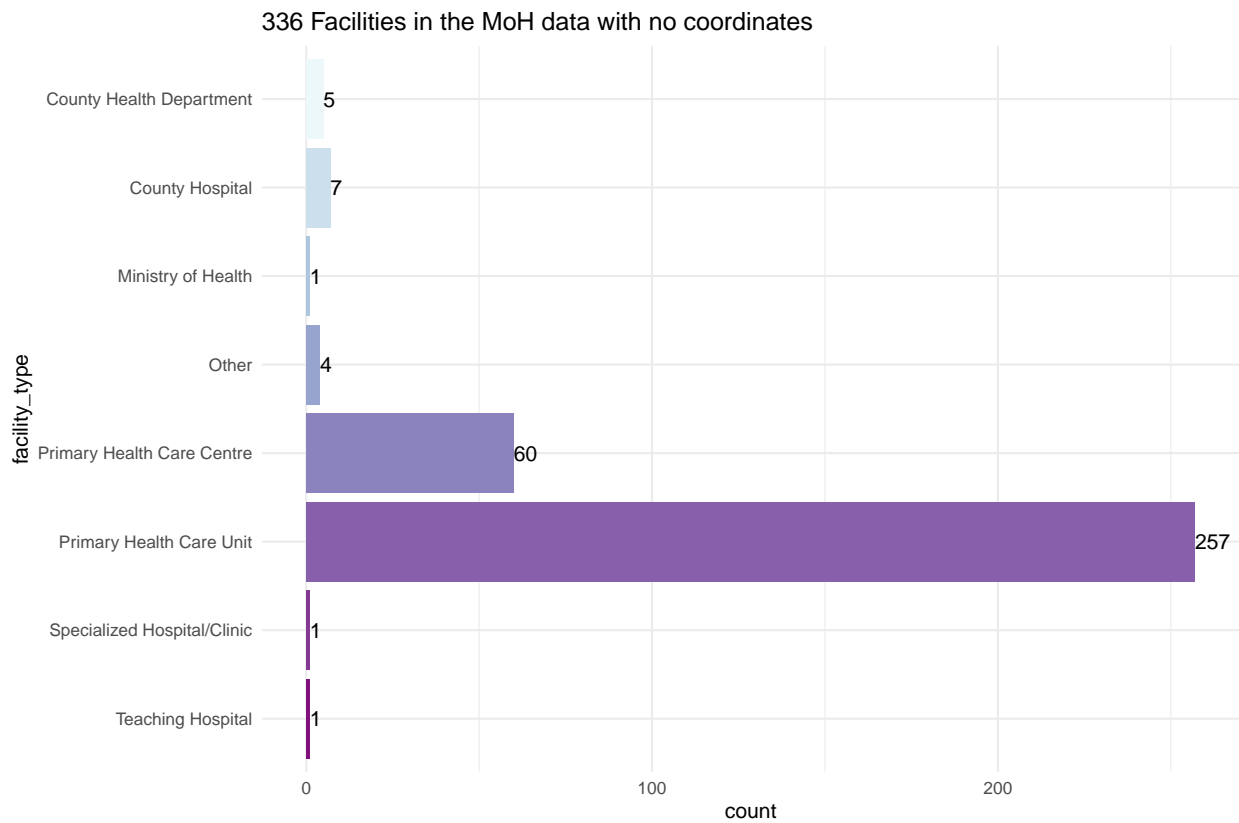
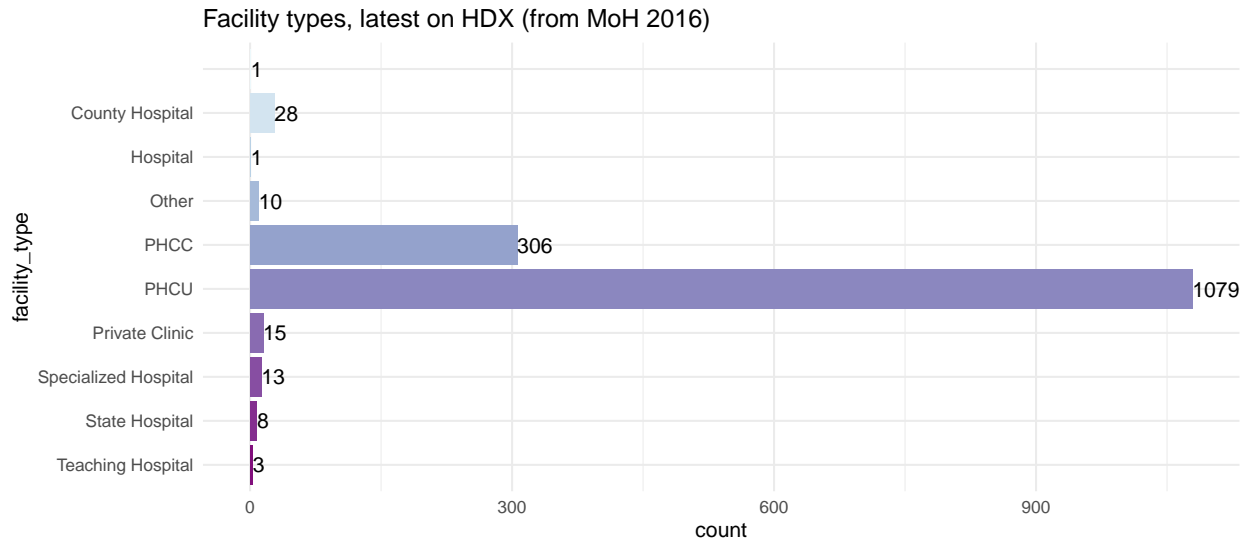
Numbers of locations per source.

| source                                    | num facilities | num hospitals | coords?   | useful attributes                              |
|---|----------------|---------------|---|--|
| 1. MoH                                    | 2889           | 130           | coords (2553 with, 336 without)                   | Facility codes in 'Ext Ref' e.g. FC05040202    |
| 2. OSM/healthsites                        | 432            | 72            | coords  | (few complete) beds,staff_doctors,staff nurses |
| 3. Health Service Functionality Dashboard | 1890           | 82            | not downloadable, (1671 with coords, 219 without) | lots e.g. functionality                        |
| 4. Maina(2019) Kemri                      | 1734           | 40            | coords  | no attributes                                  |
| 5. HDX latest (MoH 2016)                  | 1464           | 53            | coords  | codes & functional status                      |

The downloadable MoH data do not seem to have changed in the last year.

The Functionality Dashboard says this about the data displayed there : “Facility data for this bulletin was kindly contributed by the Health Cluster partners, Health Pooled Fund (HPF), the International Committee of the Red Cross (ICRC), Management Sciences International (MSI), UNICEF, and UNHCR. Additional service availability data was extracted from the Ministry of Health DHIS2 platform for facilities without an implementing partner report. Most data was reported as of 31 March 2020, but the report date for each facility is indicated by hovering over a facility marker on the map. Implementing partners self-report on a quarterly basis service availability based predefined, standardized service availability data points and definitions. WHO merges the respective data sets and assigns a functionality level to each facility based on the criteria below.”





**TODO start to do subset analysis for Central Equatoria (incl. Juba)**