

Comparing South Sudan Health facility location data from different sources

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DRAFT [Code for this document](#)

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

1. MoH : downloaded from Ministry of Health website <https://www.southsudanhealth.info/>
2. OSM : healthsites.io in OpenStreetMap
3. HSF : [South Sudan Health Service Functionality Dashboard](#) (locations not downloadable)
4. Kemri : collated data from published paper Maina(2019) Kemri, hosted by WHO GMP
5. HDX : latest version on Humanitarian Data eXchange, labelled MoH 2016

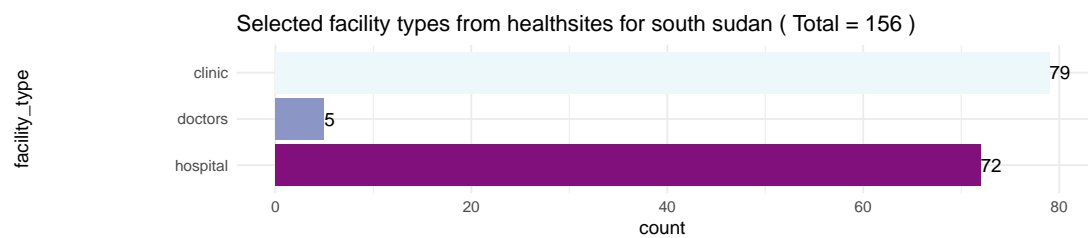
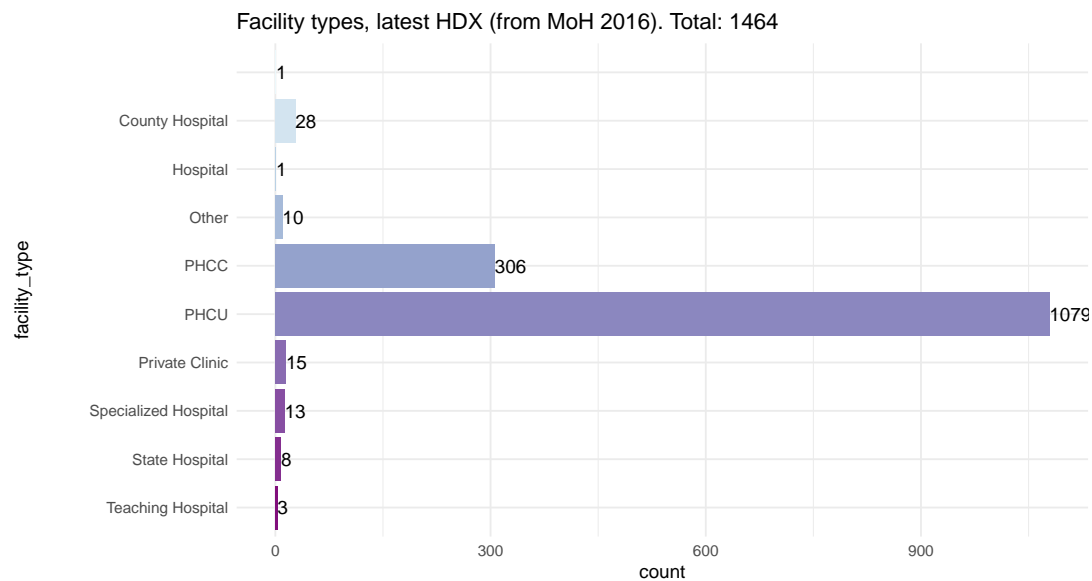
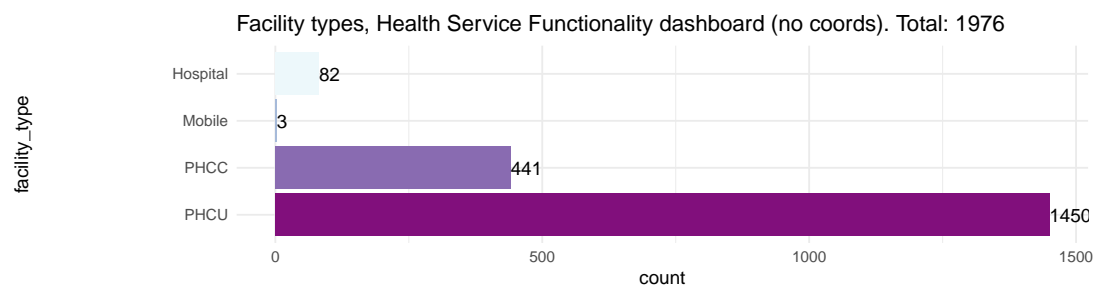
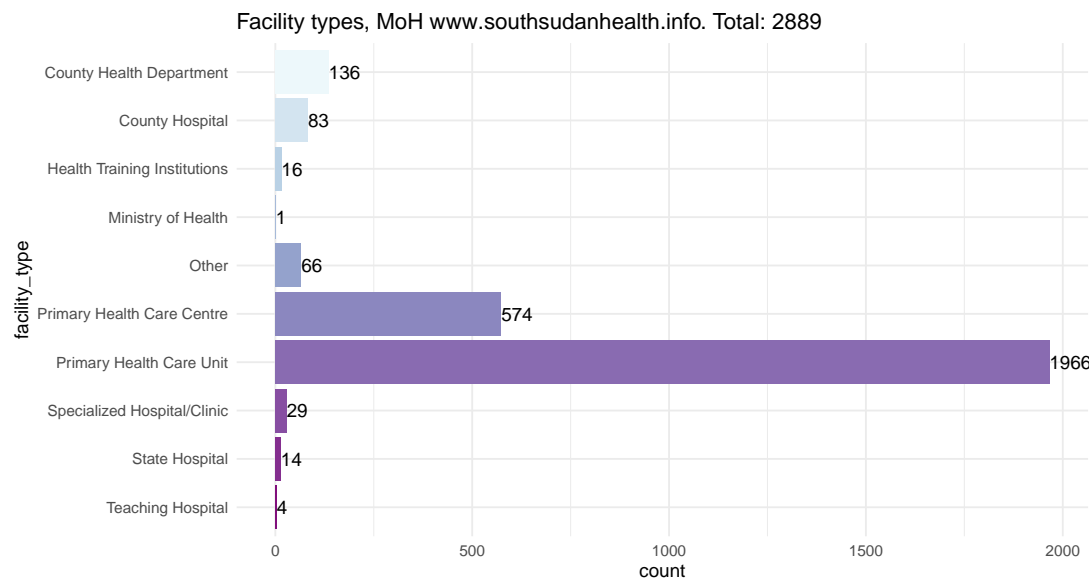
Numbers of locations per source.

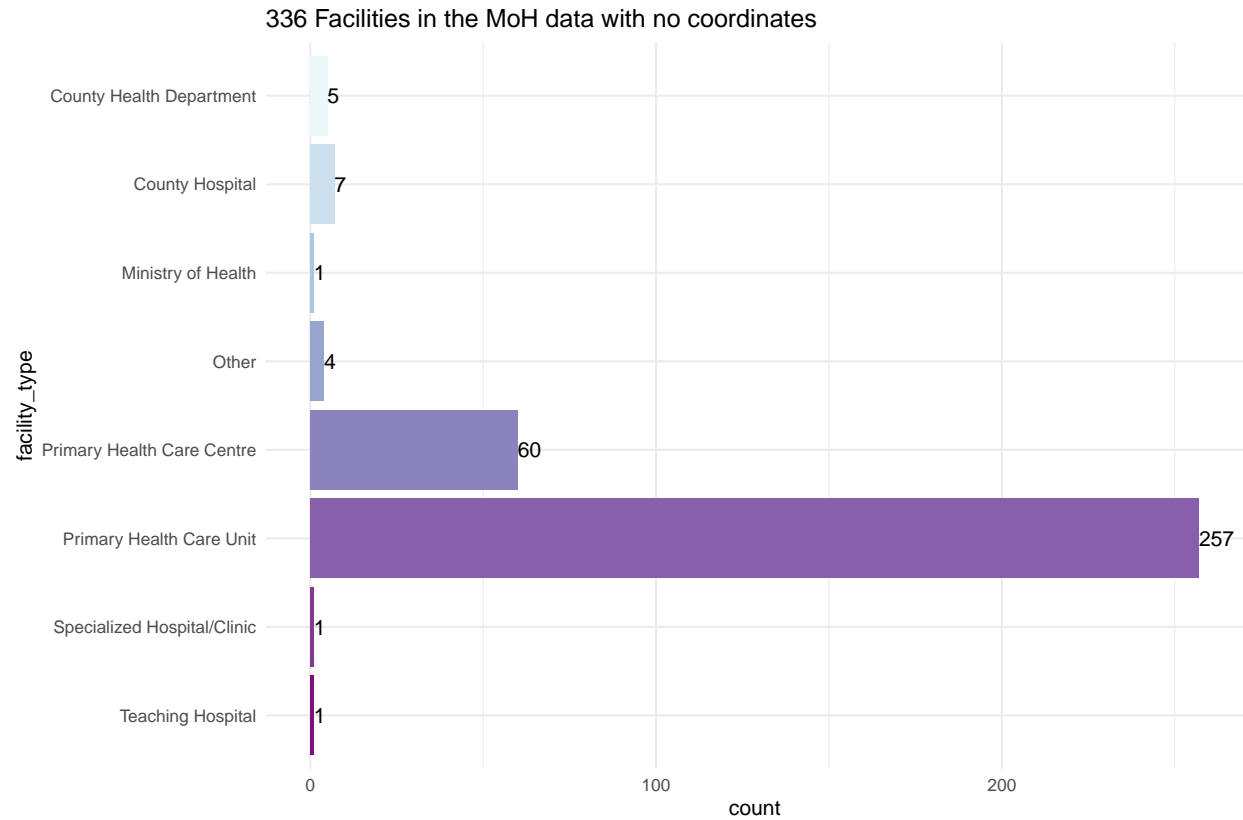
source	num facilities	num hospitals	coords?	useful attributes
1. MoH	2889	130	coords (2553 with, 336 without)	Facility codes in 'Ext Ref' e.g. FC05040202 (few complete) beds,staff_doctors,staff nurses
2. OSM	432	72	coords	lots e.g. functionality no attributes
3. HSF	1890	82	not downloadable, (1671 with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

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

Both the MoH and HSF websites have contact emails indicating that they will answer queries. We reached out to both twice over the course of a month and received no reply.

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.”





Start to look at a subset analysis for Hospitals in Central Equatoria (incl. Juba)