# Comparing Kenyan Health facility location data from different sources

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DRAFT Code here:https://github.com/afrimapr/afrimapr\_dev/blob/master/compare\_moh\_kenya.Rmd We currently have access to the following sources of health facility locations for Kenya.

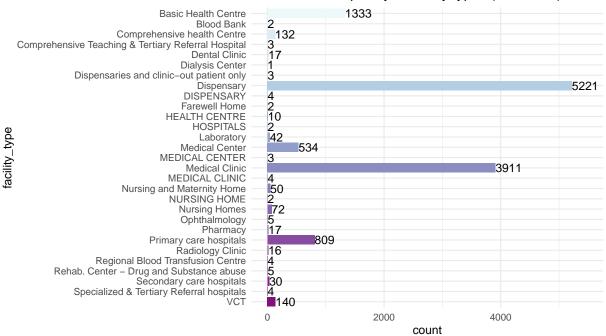
- 1. a file obtained by WiGISKe 2021-04
- 2. downloaded from Ministry of Health website (no coordinates) http://kmhfl.health.go.ke/#/facility\_filter/results
- 3. healthsites.io in OpenStreetMap
- 4. collated data from published paper Maina(2019)

We will initially concentrate on comparing the first 3, given that we know the Maina(2019) data are older. Numbers of locations per source.

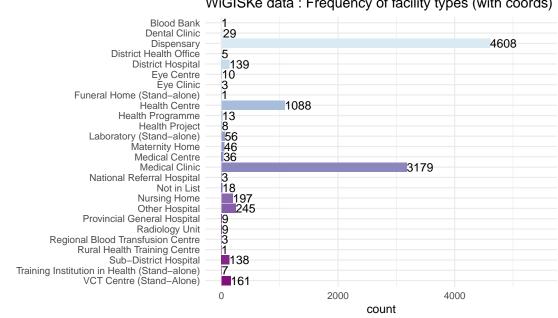
source	number facilities	spatial data	useful attributes
1. WiGISKe	10013	coords	Owner
2. MoH	12378	Ward	Registration_number,Keph level,Owner type,Beds,Cots,Operation status,Open_weekends
3. OSM	2032	coords	(few complete) beds,staff_doctors,staff nurses

### Comparing frequency of facility types in MoH & WiGISKe data

#### MoH data: Frequency of facility types (no coords)

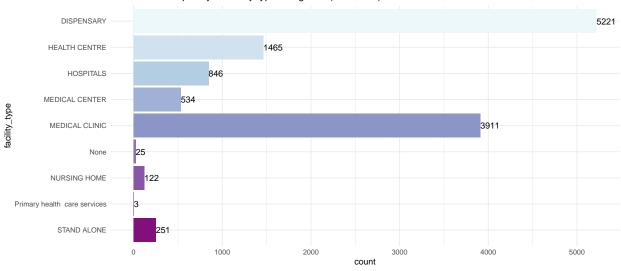


#### WiGISKe data: Frequency of facility types (with coords)

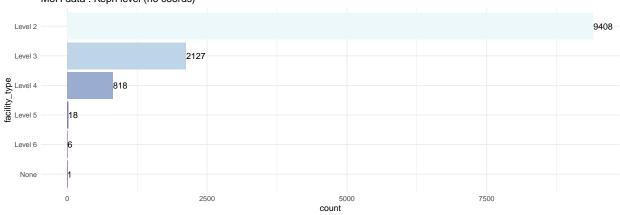


## MoH facility attributes

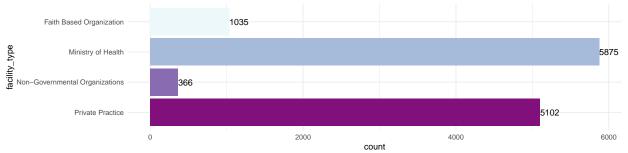
MoH data: Frequency of facility type categories (no coords)

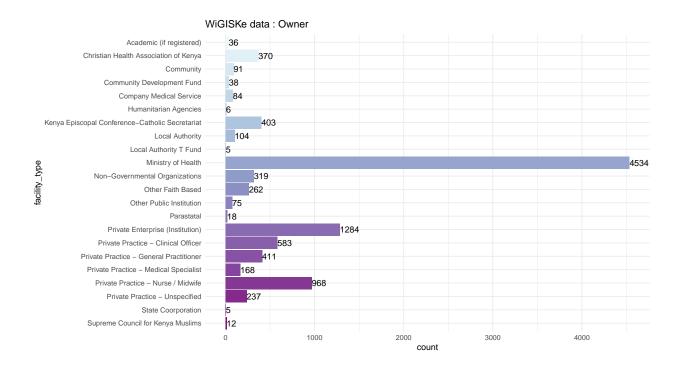


MoH data: Keph level (no coords)



MoH data : Owner type (no coords)





## All attribute columns in WiGISKe & MoH data

## ## ##	[6]	"OBJECTID" "Facility_N' "Sub_County" "Division" "Nearest_To" "Latitude"		cati" "Constituen"
##	[1]	"Code"	"Name"	"Officialname"
##		"Registration_number"	"Keph level"	"Facility type"
##	[7]	"Facility_type_category"	"Owner"	"Owner type"
##	[10]	"Regulatory body"	"Beds"	"Cots"
##	[13]	"County"	"Constituency"	"Sub county"
##	[16]	"Ward"	"Operation status"	"Open_whole_day"
##	[19]	"Open_public_holidays"	"Open_weekends"	"Open_late_night"
##	[22]	"Service_names"	"Approved"	"Public visible"
##	[25]	"Closed"		