

# Is Kenya ready for the next pandemic?



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Vulnerability

Population per Bed

County Comparisons

Conclusions

# Vulnerability and Quality of Health Scores per County

County

All

48M

Population

3.55

Vulnerability Score

12K

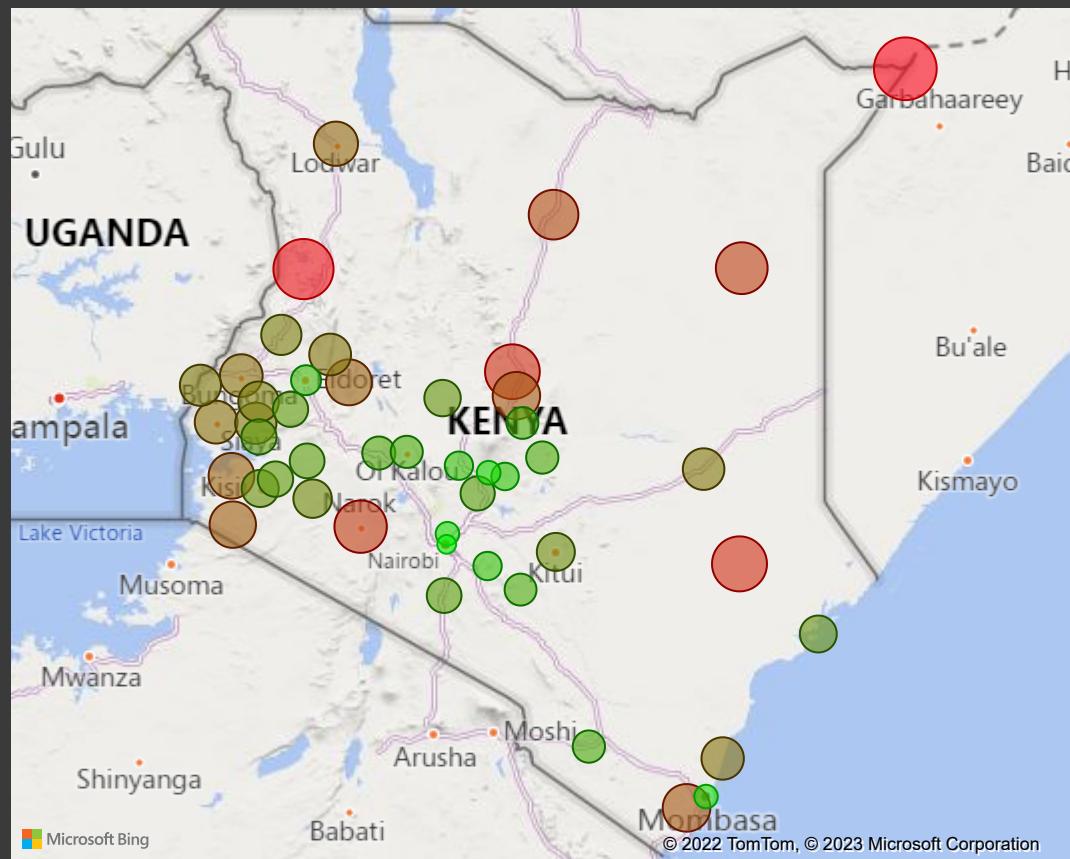
Quality of Hospital

- Quality refers to the hospital level, number of beds and number of hours the facility is open to the public.

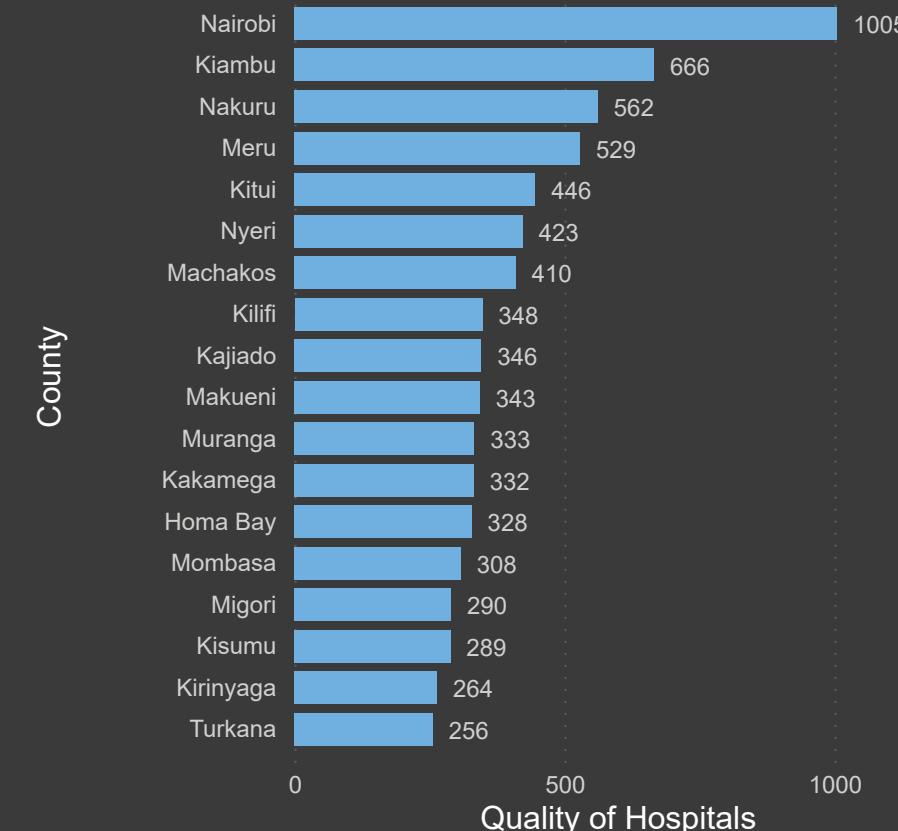
- A higher score means that the hospitals in the county can react to emergencies in a faster manner.

- Vulnerability score is a weight calculated from the most vulnerable population (under 5 years and elderly)

Vulnerability Score



Quality of Hospitals by County



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# 670

Average of Population per Bed

## Population per Bed in Counties

County Rank

All

**1 - Lowest Risk**

County Rank

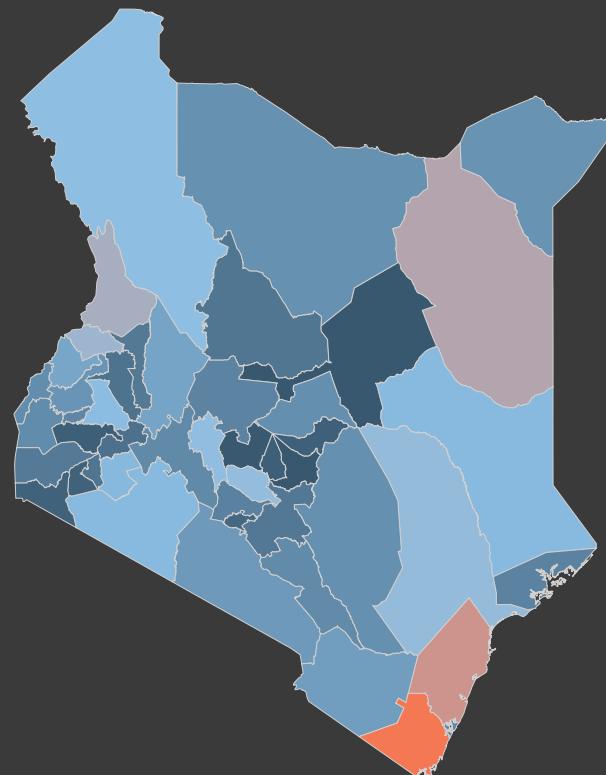
**48M**

Sum of Population

**83K**

Sum of Beds and Cots

Population per Bed by County



Lowest Risk

Highest Risk

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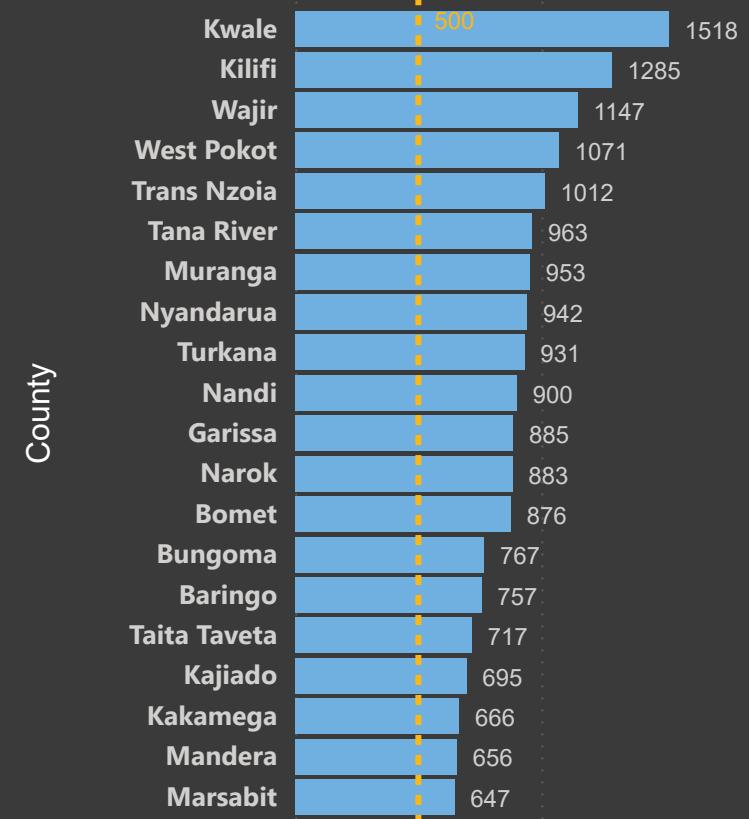
Population per Bed

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The World Health Organization (WHO) recommends that there be at least 1 bed per 500 people. Out of 47 counties, only 15 meet this threshold (fall below the dotted line). Kwale, Kilifi and Wajir demonstrate the highest risk as the population far exceeds the beds available in case of an emergency. More funding should be allocated to equipping the 32 counties with additional beds and cots.

County population per bed vs WHO Cut-off



**48M**

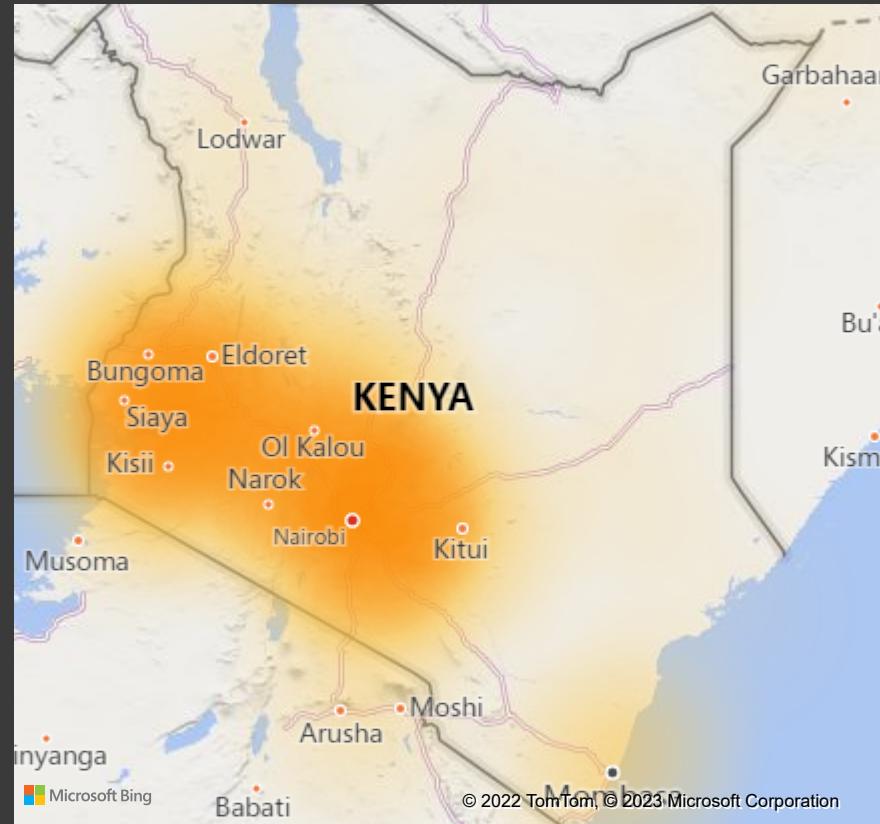
Population

## Number of Health Facilities per Keph Levels across the counties

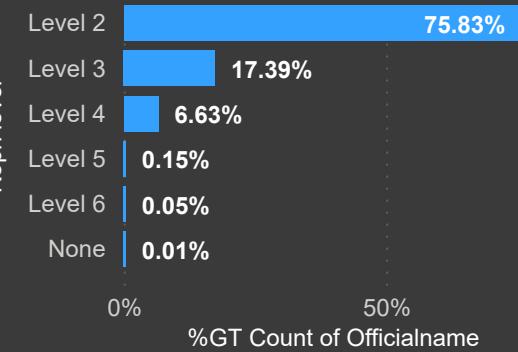


County	Sum of Beds and Cots	Sum of Population
Nairobi	10728	4396K
Kiambu	4362	2417K
Nakuru	3587	2162K
Kisii	3389	1266K
Kisumu	3238	1155K
Migori	3000	1116K
Machakos	2825	1421K
Kakamega	2805	1867K
Uasin Gishu	2455	1163K
Meru	2444	1545K
Nyeri	2362	759K
Homa Bay	2193	1132K
Bungoma	2178	1670K
Mombasa	2076	1208K
Kericho	1947	902K
Embu	1906	608K
Kitui	1770	1135K
Kirinyaga	1694	610K
Makueni	1620	987K
Siaya	1614	993K
Kajiado	1609	1118K
Busia	1435	894K
Mandera	1323	867K
Narok	1311	1157K
<b>Total</b>	<b>82794</b>	<b>47548K</b>

Keph Level Concentration in Counties County



Keph Level



**Majority of counties have level 2 (dispensaries) and level 3 (health centres) health facilities. This signifies that in the event of another outbreak, these counties will not be able to handle a surge in clients. The government needs to prioritise the construction of more Level 5 and 6 hospitals across counties to decongest Nairobi, Kiambu and Nakuru Counties.**

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## Findings and Recommendations

- .At 1,005, Nairobi had the highest quality of hospitals at 1005 which is 1,694.64% higher than Lamu, which had the lowest at 56. We recommend that more healthcare funds are directed towards Lamu county in terms of the number of healthcare facilities, the opening hours, as well as the bed capacity.
- .From the map it is clear that most healthcare facilities are concentrated around central and Western Kenya so we recommend an increase the number of level 3 health centers in the Northern and Coastal Counties in Kenya. We also recommend upgrading the Meru Level 5 to a level 6 so as to serve the north eastern counties better.
- .At 1518, Kwale had the highest Population per Bed and was 378.86% higher than Isiolo, which had the lowest Population per Bed at 317. Kwale accounted for 4.82% of Population per Bed. Across all 47 County, Population per Bed ranged from 317 to 1518. We recommend an increase bed capacity in Kwale; this is a low hanging fruit to improve the healthcare in Kwale, Kilifi, Wajir, West Pokot and Trans Nzoia counties.