REPUBLIC OF KENYA

MINISTRY OF HEALTH

TECHNICAL REPORT WEEK 3

MOH TECHNICAL ASSISTANCE TO THE COUNTY GOVERNMENTS FOR MITIGATION OF COVID-19 PANDEMIC AND STRENGTHENING OF HEALTH SYSTEMS FOR UHC IN THE COUNTIES

AUGUST 6, 2020

Version 1.2

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1. BACKGROUND

1.1 Team Mandate

To assist the Counties to meet set irreducible minimum standards, and to enhance attainment of the overriding National Universal Health Coverage Agenda, a team of **154** officers were commissioned to the exercise by the Cabinet Secretary for Health on **7th July 2020**, and commenced ground work on Phase I of the Technical Assistance exercise from 14th July 2020, for a period of 30 days. This would be followed by Phase II UHC Technical Assistance thereafter. The irreducible minimums were organized into terms of reference across **nine** thematic areas as follows.

1.1.1 County Capacity

i). County infrastructure including bed count to support pandemic and essential services delivery.

ii). Human Resources for Health capacity in the County

iii). Availability of essential equipment and health commodities.

1.1.2 Quality of service,

i). Laboratory testing, contact tracing, case management, quarantine and isolation.

ii). Functionality of the supply chain in the County.

1.1.3 County Administration, Operations and Safety

i). Communication/information sharing - national, inter county, public channels.

ii). County Emergency Rapid Response team (RRT's) and Multiagency teams (MAT's).

iii). County financing mechanisms and cost management for pandemic cases

iv). County Risk Management Systems, risk identification and mitigation strategies.

1.2 Technical Reporting

This report is a high level summary to highlight the key findings and conclusions of the Technical assistance teams efforts from July 14th to August 6th 2020. The findings will be discussed with the team leaders from the Technical Experts and the County Executive. A detailed report will thereafter, be prepared for onward transmission to the Ministry.

1.3 Methodology

The Technical teams in collaboration with the CHMT's, and Health Systems Inspectors utilized a combined check list to objectively score the following health facility areas:

Section 1: Facility Preparedness	Marks
1. Infrastructure	20
2. Equipment	20
3. IPC & Wash	10
4. Human Resources	15
5. Case Management	10
6. Capacity Building	10
7. Patient Information Management	5
8. Support Structures & Services	5
9. Support Structures & Services For Health Workers	5
10. Disinfection	5

2. EXECUTIVE SUMMARY

This report documents the findings as collaboratively assessed by the Technical Assistance Teams and the County Representatives as at August 6th, 2020

2.1 Team Execution

2.1.1 The teams have visited and uploaded reports for **45** of the 47 counties **(96%)**. The data for Trans Nzoia, and Elgeyo Marakwet will be included in the subsequent report as received.

2.1.2 To date, nearly **300 reports** have been received from the ground since 16th July 2020.

2.1.3 Out of **290** reference facilities provided by the Counties, **263 facilities (91%)** have been collaboratively assessed with County representatives and reports uploaded.

2.2 Summary of key findings

2.2.1 Assessed Bed Capacity from Health Facilities

    a) Based on the data collected the total number of functional beds assessed is **7,723 beds**, comprising of **7,411 isolation beds** and **312 ICU beds.**

    b) Out of 45 counties so far assessed **28%** have a bed capacity over 200, and only **15%** currently meet the minimum 300 bed capacity. Refer to Table 2.

    c) Several counties have ongoing construction works to increase their health infrastructure to meet the minimum requirements within the short term (30 days) and medium to long term (90 days).

2.2.2 Additional Isolation Bed Capacity from Non Health Facilities

    a) An additional bed capacity of **4, 015 isolation beds** have been identified to supplement the Health Facility isolation beds.

    b) Together with the Health Facility isolation and ICU beds, this would cumulatively **avail 11, 738 bed capacity** for the Pandemic.

    c) The additional capacity comprises of beds from Kenya Medical Training College (KMTC) and Educational facilities in Nairobi County as follows:

        i). From **KMTC**, **44** Campus sites nationally have been identified for isolation of mild cases which will add **3, 247** isolation beds to the national capacity.

        ii). In Nairobi County, Moi Girls High School and Upper Hill High School will add **768** isolation beds to the county capacity.

2.2.3 Facility Infrastructure and capacity

    a) Out of **263** facilities visited, **64**% were level 4 and above (Refer to Section 3.2), which comprise of specialized facilities selected to handle COVID isolation cases.

    b) All the facilities were assessed for adherence to MOH guidelines; **45**% fell in the 'Good – High' category, reflecting high levels of functional infrastructure, service capacity and capabilities in line with MOH standards. In contrast, **47**% fell in the 'Low – Fair' category, revealing gaps and challenges in standards.

2.2.4   Human Resources for Health Capacity

a)   Based on the HRH protocols for Staff to patient Ratios, all counties in general, have **inadequate HRH** (Section 3.4)**.** This will affect the level of health care services.

2.2.5   Quality of Services

a)   For Oxygen services, the most common supply method is **oxygen tank/cylinder** (See Figure 6).

b)   For laboratory testing services, **65%** of the facilities assessed had general lab services; however, **54%** did not have adequate lab supplies for the pandemic (See Section 7.1).

c)   The lack of fully equipped lab services, timely testing and reliable transportation, including long turnaround times for sample collection and results is seen as a **weak link** in management of the pandemic (see Section 7.2).

2.2.6   County Administrative Support

a)   The data so far gathered reveals that **59%** of the counties scored strongly, to reflect adequate support, structures, count administration and set up to handle pandemic situations. Notably, there is an **intrinsic link** between the strength of the county administrative support, and the technical facility findings. For counties demonstrating strong county management coordination, structures and visible **hands on leadership** led by the Governor at the front, then the facility standards were also high and overall county readiness was visibly strong.

b)   The areas of County **administrative strength**s were found to be in the **structures and mechanisms** for Multi Agency and Emergency Response teams, supplies of essential medicines and communication and publicity. The roles strongly involved in the Emergency teams include the Governor, County Commissioner, Police, CEC's, sub county and county directors who hold regular meetings. All Counties had activated Rapid Response Teams at County, Sub County and Ward levels. For communication, the Health Promotion Officers are leveraging a **vast array of channels** to inform the public about COVID. These include Radio talk shows by HCW's, radio jingles, social and mobile media, and in Coast, the use of town criers, Youth and Art (Graffitti) were particularly innovative.

c)   The areas of **weakness** in County Administration include **coordination**, **case** management, **lab testing**, and **finance** mechanisms and **risk management**. In spite of a lot of activity, the outcomes are being diluted by **lack of adequate planning**, execution and follow up. None of the counties exhibited any risk management activities, while effective case management is being affected by weak capacity building and **adoption** of MOH developed protocols, guidelines, SOP's and job aids. Lack of *lab supplies, access to labs, long turnaround times are challenges to achieving effective testing, surveillance and response*.

2.3 Summary of Recommendations

2.3.1 The **persistent** technical challenges for the Counties are in **health infrastructure and facility standards**, support for **human resources** for health, **laboratory testing** and **capacity building**. The Counties need more technical support to expand their physical health infrastructures and to raise the standards of the facilities in line with MOH Standards.

2.3.2 To support COVID treatment through adequate **availability and reliable supply of oxygen**, medical supplies and testing services, MOH will need to initiate policy and guidelines for Oxygen, facilitate enhanced support for supplies and establish clear mapping and access to labs for all counties.

2.3.3 MOH should also consider assigning *County Liaisons* to strengthen coordination between MOH and the Counties, to assist in capacity building, and adoption of MOH guidelines and protocols.

2.3.4 Similarly, to be more effective the Counties should consider separate committees responsible to enhance **planning**, **risk management** and **monitoring and evaluation**; optimize use of public signage to enhance communications; Counties should **automate and integrate** their supply chain for medical supplies and inventory management with KEMSA.

2.3.5 As part of the national and county financial management, it is necessary for **NHIF** to provide clarity on the guidelines pertaining to their role in the COVID pandemic, even for the benefit of public knowledge. Although financially, at least 99% of the counties have waived COVID related treatment fees, several counties have set up COVID emergency committees to mobilize funding, and are leveraging health budgets, disaster and contingency funds to handle the cost of COVID. These measures are not enough, and need to be backed by all possible resources from the Government, and private and public partnerships.

3. KEY TECHNICAL FINDINGS

3.1 County Bed Infrastructure

3.1.1 Total Bed Capacity

a) The irreducible minimums for county infrastructure included having a minimum of **300 bed capacity** to support pandemic and essential services delivery. The technical assistance exercise collaboratively assessed with County representatives on the functional isolation and ICU beds immediately available for COVID patients.

b) Based on the data collected for 45 counties, the total number of beds reported is **7,723 beds**, comprising of **7,411 isolation beds** and **312 ICU beds.** Refer to Table 1.

TABLE 1: ASSESSED BED INFRASTRUCTURE BY COUNTY

County	Number of Isolation Beds	Number of ICU Beds
1. Baringo County	88	0
2. Bomet County	69	5
3. Bungoma County	22	0
4. Busia County	194	0
5. Embu County	207	14
6. Garissa County	310	4
7. Homa Bay County	240	0
8. Isiolo County	104	13
9. Kajiado County	159	10
Kajiado/Nairobi County	24	10
10. Kakamega County	301	6
11. Kericho County	132	4
12. Kiambu County	160	12
13. Kilifi County	271	7
14. Kirinyaga County	0	0
15. Kisii County	250	15
16. Kisumu County	119	3
17. Kitui County	70	4
18. Kwale County	80	4
19. Laikipia County	120	5
20. Lamu County	13	0
21. Machakos County	371	7
22. Makueni County	312	2
23. Mandera County	307	16
24. Marsabit County	44	0
25. Meru County	106	0
26. Migori County	211	0
27. Mombasa County	404	16
28. Murang'a County	86	36
29. Nairobi County*	**1085***	**66***
30. Nakuru County	172	10
31. Nandi County	93	0

County	Number of Isolation Beds	Number of ICU Beds
32. Narok County	56	2
33. Nyamira County	80	5
34. Nyandarua County	114	2
35. Nyeri County	188	0
36. Samburu County	27	0
37. Siaya County	51	0
38. Taita–Taveta County	127	0
39. Tana River County	37	0
40. Tharaka-Nithi County	230	15
41. Turkana County	107	1
42. Uasin Gishu County	69	0
43. Vihiga County	123	5
44. Wajir County	38	13
45. West Pokot County	40	0
Total	**7411**	**312**

Nairobi Bed Capacity comprises of:

a) NMS facilities – 17 isolation beds;   c) Private Facilities 477 isolation & 45 ICU beds

b) MOH facilities -610 Isolation & 31 ICU beds;

c) In addition to the Health facility isolation beds, an additional bed capacity of **4, 015 isolation beds** have also been identified from non-health facilities. This would cumulatively avail a bed capacity of **11, 738 isolation beds** for the Pandemic; refer to Table 2;

TABLE 2: TOTAL BED INFRASTRUCTURE FROM HEALTH & NON-HEALTH FACILITIES

Description	Number of Isolation Beds
i). 44 KMTC sites nationally	3,247
ii). Nairobi County Educational Facilities	368
Total isolation beds from Non-Health Facilities	**4,015**
iii). Total isolation beds from Health Facilities	7723
Grand Total Isolation beds	**11,738**

d) Out of 45 counties assessed, **13 Counties (28%)** have a bed capacity over 200, and only **15%** currently meet the minimum 300 bed capacity. Refer to Table 3.

TABLE 3: HIGHEST BED INFRASTRUCTURE BY COUNTY

County	Number of Isolation Beds	Number of ICU Beds
Nairobi Total	1109	76
Mombasa Total	404	16
Machakos Total	371	7
Makueni Total	312	2

County	Number of Isolation Beds	Number of ICU Beds
Garissa Total	310	4
Mandera Total	307	16
Kakamega Total	301	6
Kilifi Total	271	7
Kisii Total	250	15
Homa Bay Total	240	0
Tharaka-Nithi Total	230	15
Migori Total	211	0
Embu Total	207	14

3.1.2 Isolation Bed Capacity

a) The Facilities with bed capacities over 200 are shown in Table 4. These facilities are housing the bulk of the COVID designated isolation beds for their respective counties. For some counties, this is a deliberate health infrastructure consolidation strategy to leverage its resources centrally, while in other counties, the designated COVID beds are widespread across multiple facilities. This has the risk of stretching limited resources as well as spreading the sources of the virus from multiple points.

TABLE 4: COUNTY HEALTH FACILITIES WITH +200 BED CAPACITY

Cluster	County	Facility Name	Number of Isolation Beds	Number Of ICU Beds	% of Total Cluster Beds
Cluster 3	Kisii	Kisii Teaching and Referral Hospital (MOH)	250	15	100%*
Cluster 4	Nairobi	Kenyatta University Teaching & Referral Hospital (MOH)	476	24	42%
Cluster 4	Nairobi	The Nairobi Hospital (Private)	211	6	18%
Cluster 7	Machakos	Kenyatta Stadium Field Hospital (County)	240	0	64%
Cluster 7	Makueni	Makindu Covid Treatment Centre (County)	300	0	100%*
Cluster 8	Mombasa	Technical University of Mombasa (Private)	254	0	61%

*Single facility/currently assessed facilities

b) Out of **1,109 beds** in Nairobi city epicenter, the primary bed supply is from the government and private health facilities (**1081 beds**), contributing over **95%** of the bed count for the County. A key finding from the assessment reveals that Nairobi County is relying heavily on government and private facilities to handle the COVID patients due to the poor state of the NMS public health facilities. This may present a challenge for the general public to access affordable COVID treatment.

c) In the counties, although the health infrastructure is primarily County owned, several counties have leveraged private public partnerships with faith based, NGO and other partners for example, Turkana, Bomet, Muranga, Nyandarua, Meru, Tharaka Nithi, and Mombasa counties.

d) The number of isolation beds in the COVID hot spot Counties is shown in Table 5. The numbers suggest that the current bed capacity would be stretched if 10-15% of the COVID cases needed admission for treatment. Based on the current case numbers in Nairobi, the bed capacity would be inadequate to meet escalated cases.

TABLE 5: ISOLATION BEDS IN HOT SPOTS

Cluster	County	Population	COVID Cases	Isolation	Current ICU Beds
Cluster 4	Nairobi City	4,397,073	13,688	1109	76
Cluster 8	Mombasa	1,208,333	2,083	404	16
Cluster 5	Kiambu	2,417,735	1,531	160	12
Cluster 7	Kajiado	1,117,840	1,198	159	10
Cluster 7	Machakos	1,421,932	810	371	7
Cluster 3	Busia	893,681	772	194	0
Cluster 2	Nakuru	2,162,202	454	172	10
Cluster 3	Migori	1,116,436	289	211	0
Cluster 2	Uasin Gishu	1,163,186	286	69	0
Cluster 5	Nyeri	757,164	121	188	0
Cluster 8	Lamu	143,920	31	13	0
	Total	**16,799,502**	**21,263**	**3,050**	**131**

3.1.3 ICU Bed Capacity

3.1.3.1 The total ICU bed capacity so far assessed across 45 counties is **312 ICU beds;** this is short of MOU's recommended ICU beds of 5-6% of Isolation beds. Out of **7,411** isolation beds the ICU beds should be **371** beds, revealing a gap of approx. **58 ICU beds**.

3.1.3.2 For the top ten COVID county hot spots including Lamu (top ten attack counties), the gap of **22 ICU beds** is shown in Table 6 and Figure 1. For the number of isolation beds assessed, only **36%** of the Counties have met the recommended ICU bed ratio.

Cluster	County	COVID Cases (Aug.3)	Current Isolation Beds	Current ICU Beds	ICU Bed Ratio	Bed Ratio Met?
Cluster 4	1. Nairobi City	13,688	1109	76	55	Y
Cluster 8	2. Mombasa	2,083	404	16	20	N
Cluster 5	3. Kiambu	1,531	160	12	8	Y
Cluster 7	4. Kajiado	1,198	159	10	8	Y
Cluster 7	5. Machakos	810	371	7	19	N
Cluster 3	6. Busia	772	194	0	10	N
Cluster 2	7. Nakuru	454	172	10	9	Y
Cluster 3	8. Migori	289	211	0	11	N
Cluster 2	9. Uasin Gishu	286	69	0	3	N
Cluster 5	10. Nyeri	121	188	0	9	N
Cluster 8	11. Lamu	31	13	0	1	N
	Total		**3,050**	**131**	**153**	

3.1.3.3   Figure 1 below shows the gap of **22 ICU beds** for the top ten COVID county hot spots including Lamu (top ten attack counties).

FIGURE 1: ICU BED GAP IN HOT SPOTS
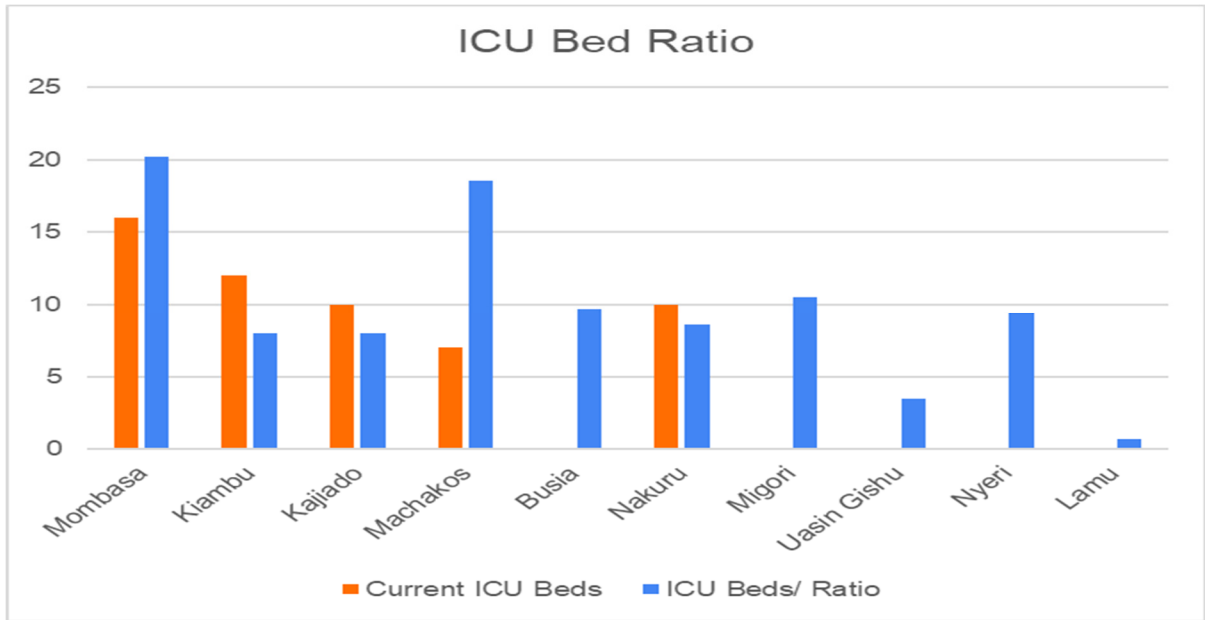
3.2 Facility Infrastructure, Capacity & Preparedness

3.2.1.1   Out of **263** facilities visited, **64**% were level 4 and above (See Figure 2). This reflects the specialized level of facilities selected by the Counties to handle COVID isolation cases.
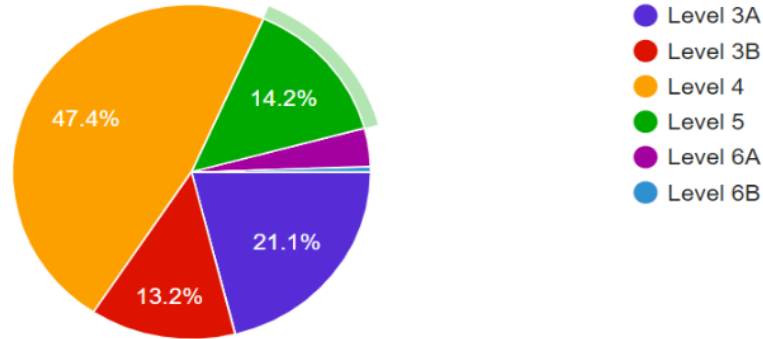
FIGURE 2; ASSESSED FACILITY LEVELS

3.2.2   The county facilities were assessed for infrastructure equipment, supplies, IPC, support structures, and treatment services. The scores for **207 facilities (79%)** reflected **reasonable** levels of capacity and readiness for the facilities assessed. Refer to Figure 3.

FIGURE 3; ASSESSED FACILITY SCORES
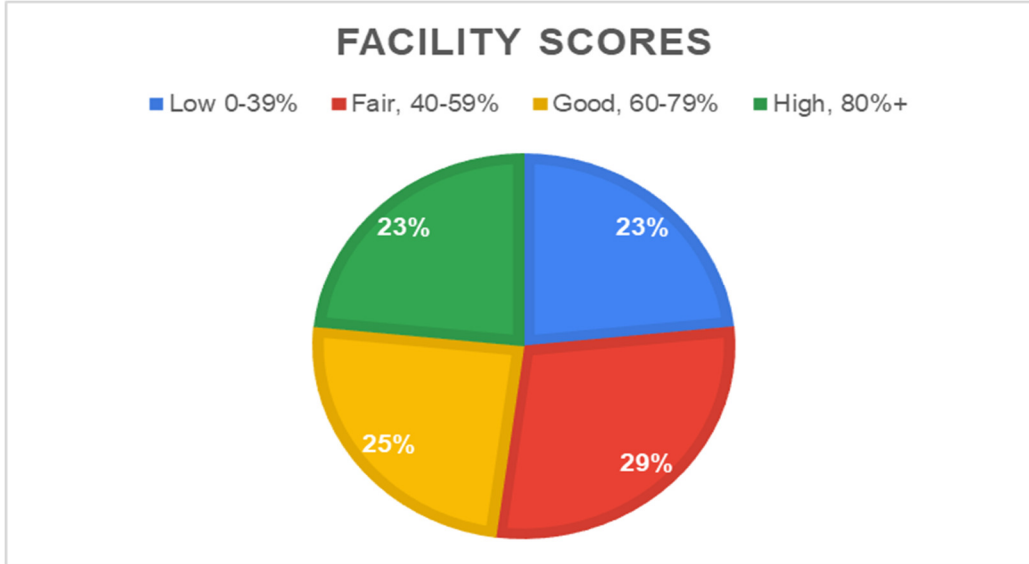
Score level	Total	Clusters
Low 0-39%	22%	All Clusters
Fair, 40-59%	27%	All Clusters
Good, 60-79%	23%	Clusters, 1, 2, 3,4,5, 6, 7, 8, 9, 10
High, 80%+	**22%**	Clusters 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

3.2.3 The facilities scoring 'good to high' **(45%)** displayed high levels of capacity and preparedness to handle patients, as revealed in the availability of medical equipment, supplies, IPC, SOP's, structures and services for staff and Patients.

3.2.4 The facilities that scored 'low' **(22%)**, revealed extreme levels of disparity and gaps in the provision of services and supply of equipment, and general adherence to facility standards. The equipment gaps included lack Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Examination Trays, Pulse Oximeters, Examination Trays, Ventilators, Resuscitation/Emergency Trays, Procedure Trolleys, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys.

3.2.5 The facilities were assessed across 10 areas; the disparity in the facility levels of preparedness is shown in figure 4; the scores of the most prepared facilities show a high readiness variance in comparison to the scores for other facilities.

FIGURE 4: FACILITY PREPAREDNESS (SCORES) ACROSS 10 AREAS
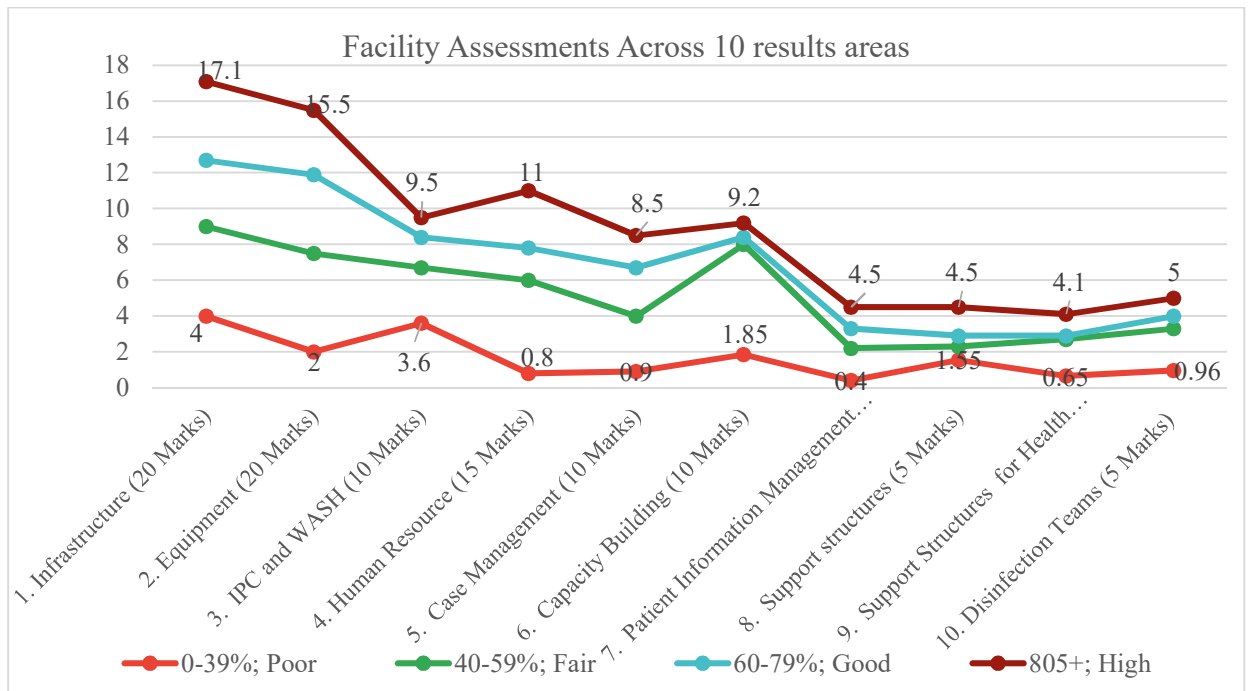
3.2.6 The **Characteristics** of the facilities for each assessed scored category is shown in Table 7 and highlights the various disparities across the facility standards.

Assessed facility Score	Characteristics – (on average)
Poor: 0-39%	*On average these facilities scored extremely poorly across all areas assessed* Low compliance on infrastructure demarcation of areas, rooms, facilities *(average 4/20)* Lack of equipment including beds, and medical machines, oxygen, stands, etc. *(average 2/20)* Low IPC, disinfection, patient and case management as seen in lack of protocols, SOP's, guidelines and documentation *(average 4/10)* On average, no human resources designated for Covid treatment *(average 1/15)* Poor case management structures *(average 1/10)* Weak to no support structures and services including critical care, lab services, transportation, utilities *(average 4/20)* Low if any capacity building/training efforts. *(average 2/10)*
Fair: 40-59%	*On average these facilities scored reasonably (at least 45% levels) across all areas assessed* Fair standards on infrastructure demarcation of areas, rooms, facilities *(average 9/20)* Fairly low levels on equipped on beds, medical machines, oxygen, stands, etc. *(average 8/20)* Reasonable IPC, disinfection, patient and case management with protocols, SOP's, guidelines and documentation *(average 5-6/10)* Reasonable levels of human resources designated for Covid treatment *(average 6/15)* Reasonable support structures and services for critical care, lab services, transportation, utilities *(average 3/5)* Fairly strong capacity building efforts *(average 8/10)*
Good: 60-79%	*On average these facilities scored quite well (at least 63% levels) across all areas assessed* Stronger standards on infrastructure demarcation of areas, rooms, facilities *(average 13/20)* Well-equipped on beds, medical machines, oxygen, stands, etc. *(average 12/20)* Strong IPC, disinfection, patient and case management with protocols, SOP's, guidelines and documentation *(average 8/10)* Reasonable level of human resources designated for Covid treatment *(average 8/15)* Good support structures and services for critical care, lab services, transportation, utilities *(average 3/5)* Strong capacity building efforts *(average 8/10)*
High: 80%+	*On average these facilities scored strongly (at least 88% levels) across all areas assessed* High standards on infrastructure demarcation of areas, rooms, facilities *(average 17.1/20)* Well-equipped on beds, medical machines, oxygen, stands, etc. *(average 15.5/20)* Strong IPC, disinfection, patient and case management with protocols, SOP's, guidelines and documentation *(average 9/10)* High level of human resources designated for Covid treatment *(average 11/15)* Strong support structures and services for critical care, lab services, transportation, utilities *(average 4.5/5)* Strong capacity building efforts *(average 9.2/10)*

3.3 SOP's, Job Aids and Protocols

3.3.1   The assessments showed that at least 40-50% of the facilities have the required work protocols, Standard Operating Procedures (SOP's) and job aids; however, these are not printed, displayed or disseminated and staff have not been sensitized.

3.3.2   For **Case management** protocols, these were available in nearly **60%** of the facilities as shown in figure 5 below. However, in 50% of the facilities, SOP's/ Job Aids on **disinfection**/decontamination and **Waste** Management and Nursing Care Documentation Protocols were not displayed, while those for **receiving** confirmed patients, **referral** of patients, **specimen** packaging, **discharging** patients were not developed and not displayed.

FIGURE 5: ASSESSED SOP, JOB AIDS, PROTOCOLS
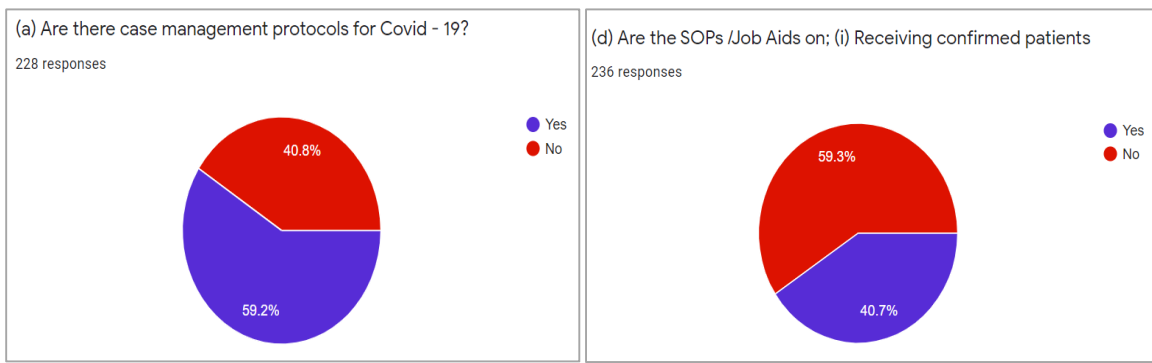
3.4 County Capacity in Human Resources for Health

3.4.1   The County Human resources for Health (HRH) roles assessed included the following cadres: Medical officers, Specialist physician (internal medicine), Anesthesiologist, Anesthesiologist, Pharmacists, Infectious diseases specialist, Nursing Officer, Critical care Officer, Nurse Anesthetist, Registered clinical officers, Clinical officer Anesthetist, Technologist, Solid waste specialist, Public Health Officer, IPC, General Nutritionist, Clinical Nutritionist, Clinical Dietician and support staff.

3.4.2   The total number of reported human resources from the facilities was approx. **5,984** in personnel. The professional cadre with the highest number of workers is the **Nursing** Officer while Anesthesiologists were the fewest in number. This is shown in Figure 6 below.

Health Care Workers
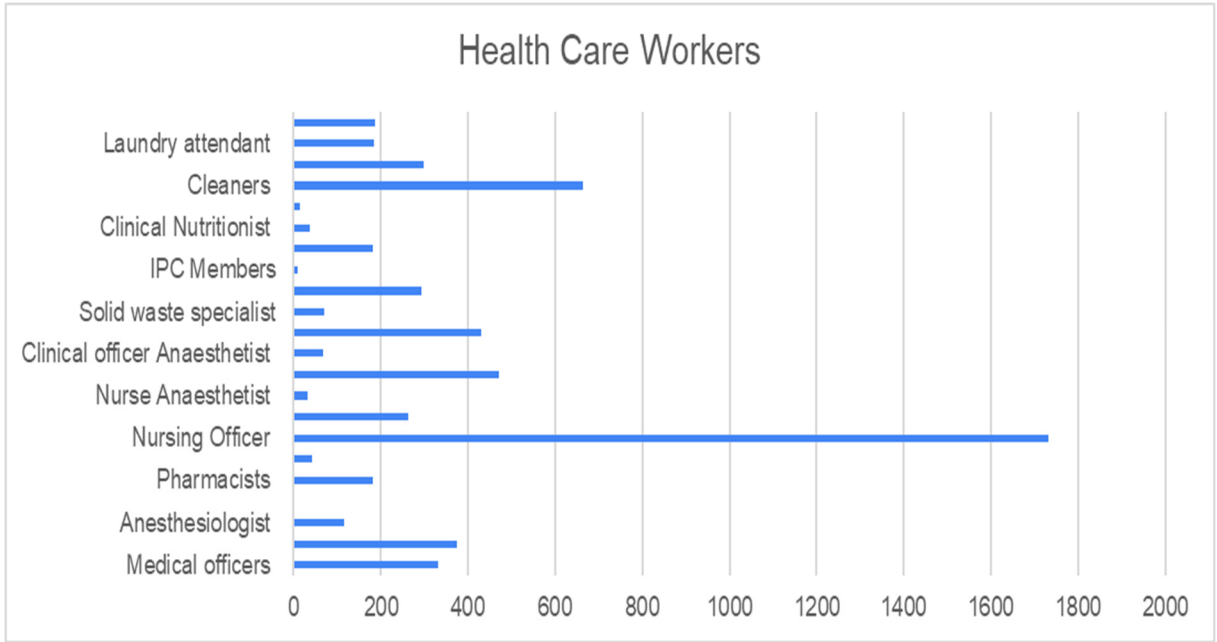
3.4.3 Based on the HRH protocols with requirements for Staff to patient Ratios, it would appear that all counties in general, although most cadres are available, the number of personnel is inadequate across all cadres (see Figures 7-9).

3.4.4 Figure 7 Shows that 58% of the facilities assessed have at least one Medical Doctor on staff; and at least 78% of the facilities assessed had laboratory personnel.

FIGURE 7; HRH ASSESSMENTS FOR DOCTORS & LABORATORY PERSONNEL
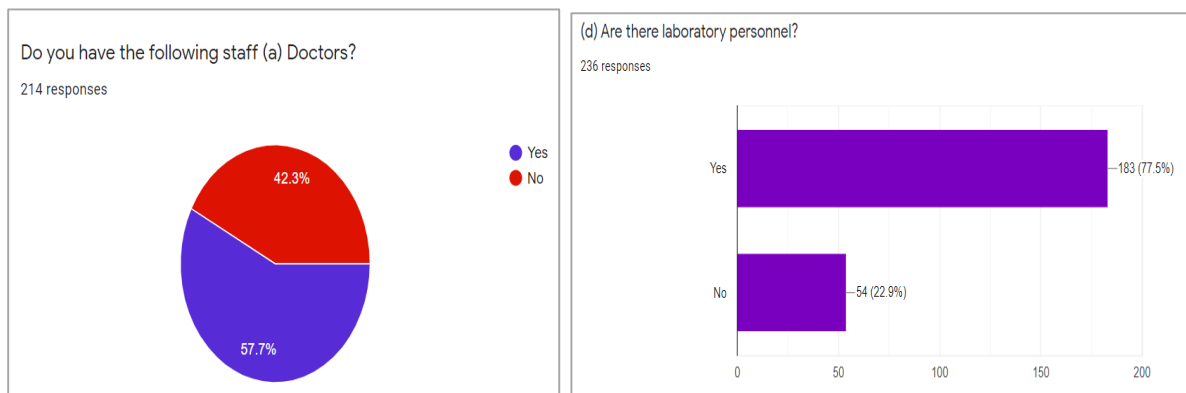
3.4.5 Figure 8 Shows that 196 facility responses (86%) revealed they **do not have** any Anesthesiologists in their facilities.

FIGURE 8; HRH ASSESSMENT FOR ANESTHESIOLOGISTS

(iii) Anesthesiologist (Numbers)
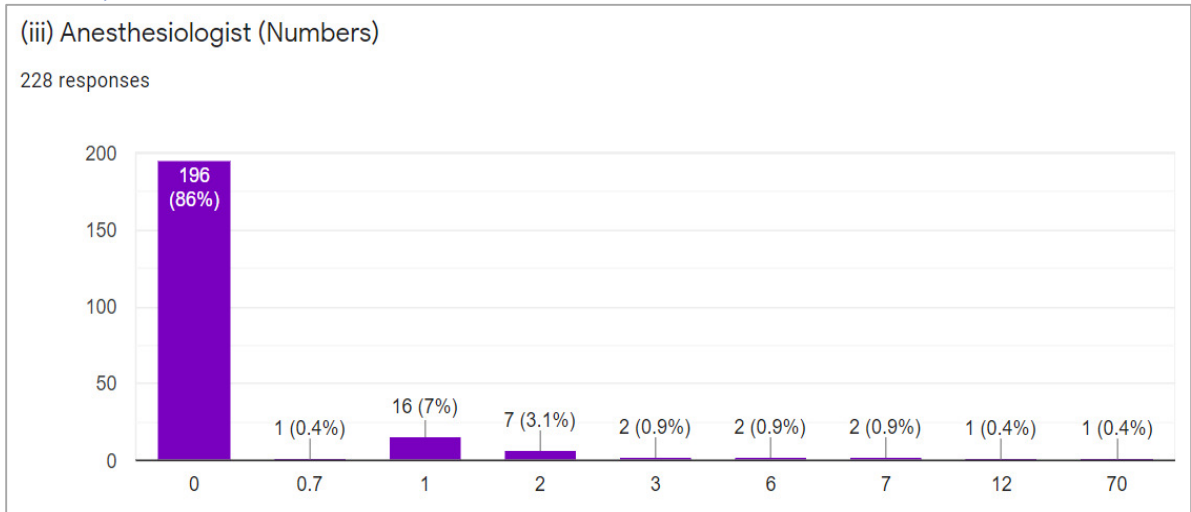
228 responses

3.4.6 Figure 9 Shows that 183 facility responses (78%) revealed they **do not have** any Critical Care Officers in their facilities.

FIGURE 9; HRH ASSESSMENT FOR CRITICAL CARE OFFICERS

(ii)Critical care Officer (Numbers

236 responses
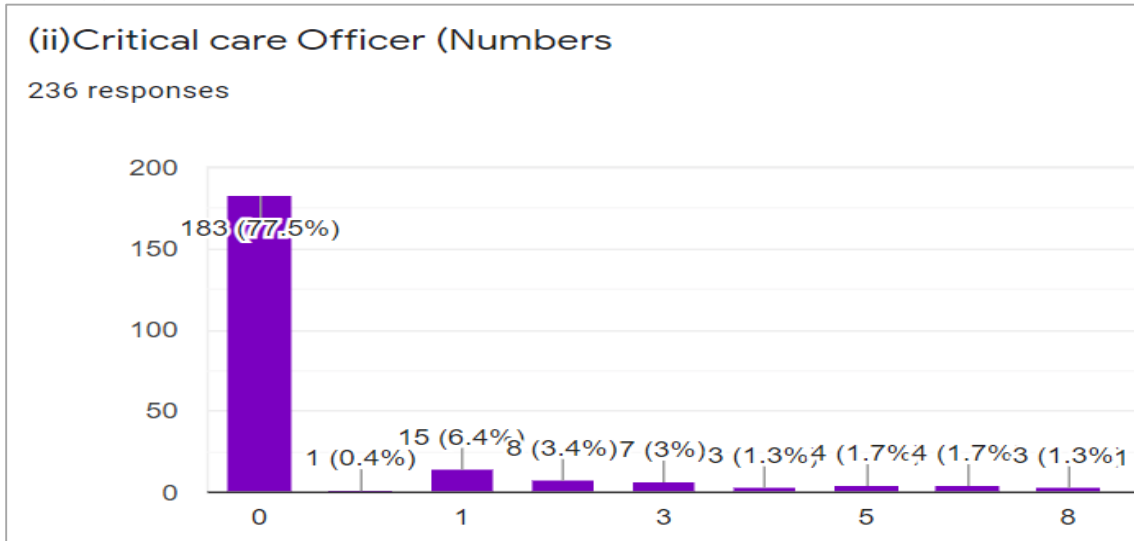
3.4.7   As per Figure 10, capacity building, at least 85% of the facilities indicated that their staff had undergone training on COVID practices.

(a)Are the staff trained /sensitized on Covid - 19 pandemic in the following fields? (i) Infection prevention control (IPC) (Numbers)

228 responses

- Yes
- No

15.4%

84.6%
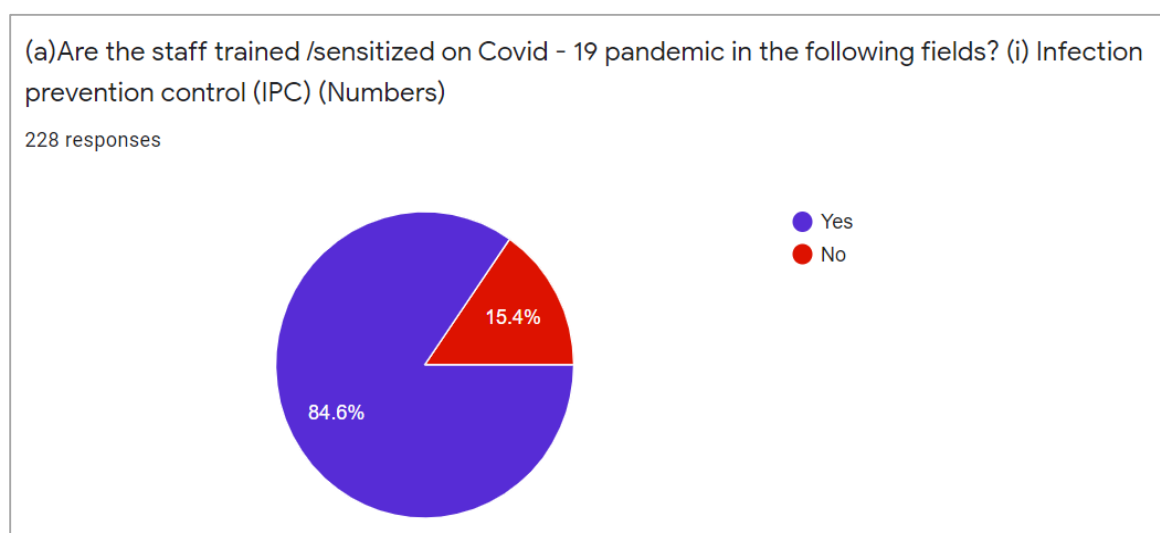
4. Quality of Services

4.1 Oxygen Supply

4.1.1   Adequate availability and supply of facilities and medical supplies to support COVID-19 prevention and treatment included an assessment of the availability and reliable supply of oxygen whether by Tank/Cylinder, Concentrators or centrally piped.

4.1.2   In general, the most common oxygen supply method is oxygen tank/cylinder (See Figure 6). The highest number of oxygen plants (5) was found in Cluster 2 in Kericho (2), Nakuru (1), Bomet (2).

4.1.3   There is a mild focus on oxygen in the smaller facilities who leverage the specialized facilities (level 4+) with stable supply to handle the severe cases. There is generally a diluted focus on supply and utilization of Oxygen, with low quality oxygen in use. How much oxygen to use per patient is also varied and can be streamlined. Proper maintenance and appropriate purity levels of Oxygen needs to be guaranteed by Pharmacy and Poisons board and the suppliers.

4.2 Laboratory Testing

4.3 The lab testing capabilities to support epidemiological surveillance and COVID-19 case confirmation and outbreak response was also assessed.

4.4 The general findings included lack of fully equipped lab services, lack of timely testing and reliable transportation, long turnaround times for sample collection and results ranging from 24 hours to 7 days.

4.5 Overall, **65%** of the facilities assessed had general lab services, however **54%** did not have adequate lab supplies for the pandemic (See Figure 11).
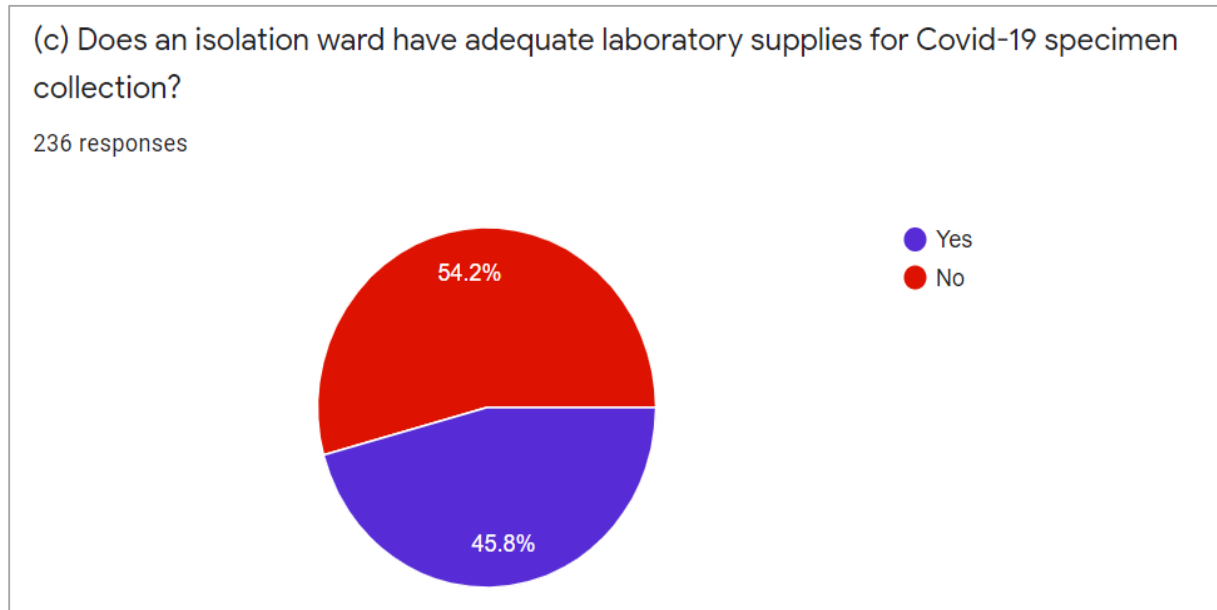
5. County Administrative Support

5.1 Overview

5.1.1 The County administrative support involved a consultation with the County management levels of planning, risk management, communication, public engagement, enforcement of public health measures, case management, testing and surveillance, response mechanisms, supply chain management, and county coordination in place; the intent is to strengthen the Counties capacity for prompt conduct, documentation and management of the current and future emergency situations such as the COVID pandemic.

5.1.2 Based on data submitted for 64% of the Counties, **59%** scored in the 'high' category, to reflect adequate administrative support and structures set up to handle the current pandemic situation as shown in Figures 12, and 13.
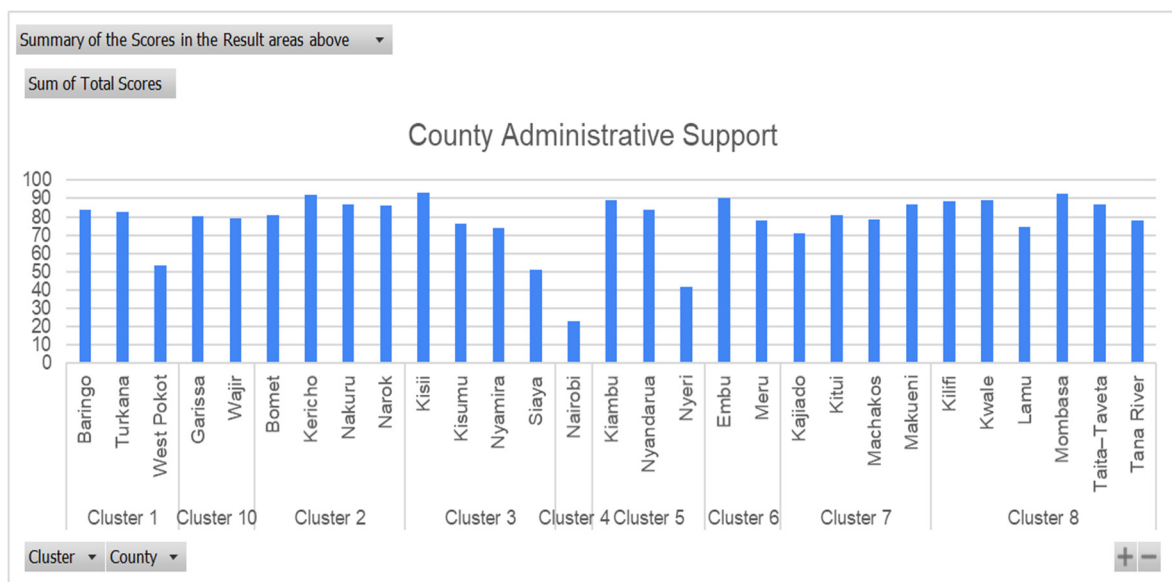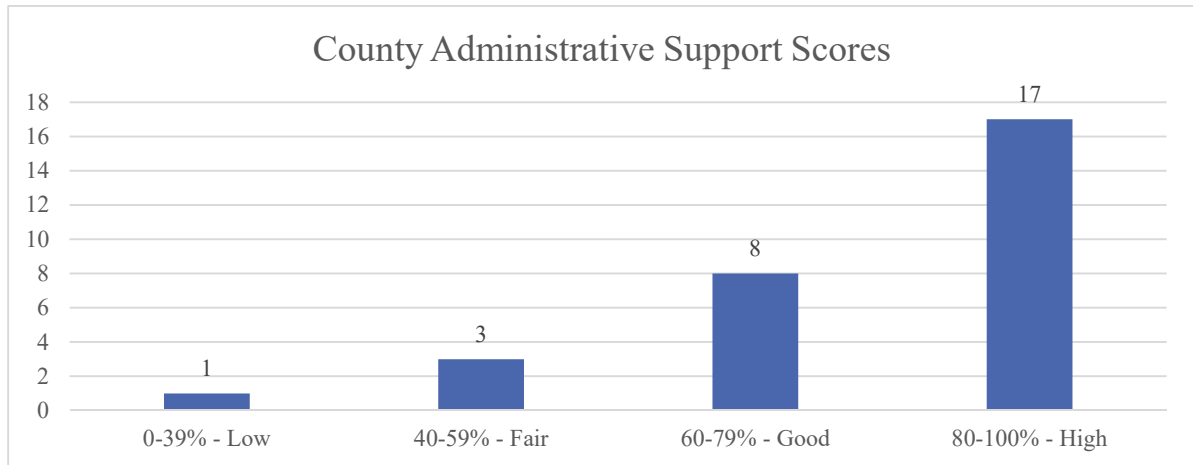
FIGURE 13: COUNTY ADMIN SCORES BY COUNTY

5.1.3   The county administrative support findings are tabulated in Table 8, revealing high level of activity by all counties; however, the outcomes of these activities can be improved through structured planning which will in turn improve response measures.

5.1.4   **Areas of strength (based on full scoring)**:

a)   Emergency Response Mechanisms – 65% and Supplies of Essential Medicines – 55%

b)   Communication & publicity (51.7%)

5.1.5   **Areas needing strengthening (based on full scoring):**

a)   Coordination – 44%

b)   Case management – (23%)

c)   Lab testing – 27%

d)   Finance mechanisms and cost management (3.4%)

e)   Risk management 7%

5.2 Key Findings

The Key findings for the county administrative support assessment are summarized in Table 8.

TABLE 8: COUNTY ADMINISTRATIVE SUPPORT FINDINGS

Parameter	Working well	Opportunities to improve
Coordination	• Counties have MAT, chaired by the Governor, Co-chaired by County Commissioner; Members include sub county teams, CEC's, MCA Rep, all County Depart., Police commissioners • Committee meets at least once a week • Key partners include NGO, business entities, religious leaders	• Counties to consider assigning planning functions to a specific committee • Committee minutes to be documented • Counties to develop emergency response plans • Counties to allocate funds to support the Emergency response plans • Counties to develop monitoring and evaluation matrix for the emergency plans
Emergency Response Mechanisms	• RRT's are organized at County, sub county and ward level • Focal point: County Commissioner, or County director of public health, county health records and information officer, County disease surveillance coordinator • Most counties have at least 7 RRT's at county, sub county land ward evels • Training on COVID case investigations, sample collection, contact tracing, monitoring.	• Set up more rapid response teams • County to create more awareness of National guidelines for COVID handling • MOH to consider ministry county liaisons to ensure MOH guidelines are distributed, displayed, applied • Counties to dedicate at least 2 ambulances for COVID cases • Counties to strengthen training plans for HCW
Supplies of essential medicines, IPC commodities	• Counties able to estimate consumption rates and have inventory stocks at hand • Counties retain at least 2 -3 months lead stock	• Automated supply chain inventory stocks and control • Improved KEMSA supply rate/timelines
Case management	• All counties have designated COVID isolation facilities • COVID screening at facility entrances & county entry points • HCW's training in case management, transmission based precaution • County roll out of Home based care using CHV's • Over 75% of counties have at least 500-1,000 CHV's trained and supporting HBC and COVID	• Home Based Care is a challenge in traditional settings e.g., manyatta communities • Strengthen training of HCW's on COVID • Leverage more partnerships with medical associations & NGO's for training eg, AMREF, KMA, WHO, MSF, Red cross, Danida, etc. • Proper display and disemmination of MOH protocols accessible for public reference
Lab Testing	• Mechanisms for sample collection, transportation, packaging in place • Training focus for lab personnel on COVID • Working mechanisms for sample referral to other laboratories	• Inadequate/no laboratory testing capacity for COVID • Inadequate lab supplies • Improved turn around for sample collection, results

Parameter	Working well	Opportunities to improve
		• Mapping of labs to counties to improve timelines for sample testing
Communication & Publicity	• Emergency operations centers are primarily chaired by County Commissioner • Health Promotion Officers in charge of communications to public on COVID • IEC materials translated to local languages • Radio jingles, talk shows by HCW's, social and mobile media used for public communication • In Coast, youth groups, town criers, and art (graffiti) are being used to communicate on COVID	• Publish working hotlines for emergency operations • Develop communication plans • Increase public signage on COVID • Increase distribution/awareness of IEC materials • Hospitals to leverage TV looped presentations to educate on COVID prevention as patients wait • Strengthen efforts to arrest rumors, stigmatization, perceptions on COVID
Risk Management	• Less than 10% of counties anchoring risk on county surveillance team	• Extremely low knowledge (over 95%) on risk management • County surveillance teams not actively performing risk assessments, no risk plans • No risk framework, committee, no risk plan, or mitigation responses availed • Government capacity building on risk management needed to improve advance warning and effective response handling
Finance Mechanisms	• 99% of the Counties are waiving patient fees for COVID treatment • COVID mobilization committees set up to mobilize partners for funding support • Proposed county bill to pay NHIF arrears to cushion elderly, disabled and support CHV's • Coast County is the only region leveraging NHIF for COVID payments • Reliance on County contingency, disaster or emergency and health budget to fund COVID patients • Reliance on Government COVID grants • Most counties have defined cost per patient of COVID treatment	• Uncertainty/low knowledge on the role of NHIF in COVID treatment payments; NHIF to create awareness • High cost of PPE's – up to KSH3m per week which is unsustainable • Prepare cost management strategies to effectively handle rising treatment and other projected costs

5.3 Key Partners and Stakeholders

The partners identified by the Counties as supporting their COVID efforts are listed below in Table 9. (The list is not all inclusive)

TABLE 9: COUNTY PARTNERS

Partners and Stakeholders Supporting County COVID efforts

- AMREF
- Red Cross
- DANIDA
- Afya Uzazi
- County Measurement Learning Accountability Project
- Water Sanitation for Urban Poor
- Rotary Club
- UNICEF
- Action against Hunger
- Rotary Doctors
- Freddolos (West Pokot)
- Kenya Ports Authority
- James Finlay
- KTDA
- KPMG
- Magnate Ventures
- Muhindra
- MP Shah
- Mabati Rolling Mills
- Equity Bank
- Walter Reed
- DESIP
- World Vision
- UNDP
- Religious leaders
- World Bank
- MSF

6. RECOMMENDATIONS

It is evident that the County Health Management teams are highly cognizant of the COVID risks in their counties and there is visible effort to prepare the County Health Facilities to handle COVID cases. Generally, there is some level of health systems preparedness in all counties albeit varied in effort.

6.1 Infrastructure Preparedness

6.1.1 The Technical teams should follow up within the next 30-45 days to assist the counties to **operationalize ongoing construction** works to meet the projected/planned bed capacity of 300 beds. As only 15% of the counties have achieved the minimum 300 bed count, this is seen as a risk due to the growing number of confirmed COVID Cases.

6.1.2 The Counties should be encouraged to leverage the option to **refurbish and upgrade** unused facilities as is seen in the far North, Coast and Western regions. In Nairobi County KMTC are a key example of upgrading of facilities to boost isolation capacity by **3,247 isolation Beds**.

The Technical teams will consult with the Counties on to ensure that the facilities which scored in the 'low to fair' range close the gaps to raise the levels of all facilities to the desired MOH standards. This will serve to expedite preparation of facilities in the short term to meet the demands for COVID.

6.1.3 A concerted effort to provide accessible and affordable health services for the general public is a necessary strategy to effectively managing this pandemic. The level of preparedness in the pandemic hot spots including Nairobi County is low, and there is a heavy reliance on non-public facilities to handle the COVID pandemic which will serve to disenfranchise the general public from affordable treatment.

6.1.4 The spread of designated COVID facilities in some counties is quite wide and should be reviewed with a view to achieving high capacity consolidated centers which will reduce the risk of exposing infection and reduce the strain on available HRH.

6.2 Human Resources for Health

6.2.1 All counties in general, have inadequate HRH. The Technical team should support the Counties by helping them achieve the appropriate staffing levels in line with MOH patient ratio protocols and to implement rotation schedules to balance provision of health services and staff welfare.

6.2.2 Training of health workers is linked to proper COVID Case Management and Staff Occupational Safety & Health; the MOH through the Technical teams should support county capacity building by helping arrange for critical COVID training and dissemination of protocols necessary to handle the COVID situation safely and effectively.

6.2.3 The Ministry through the Technical teams should consult with each county to ensure a designated isolation treatment facility for health workers as seen in Bungoma, Kiambu and other Counties.

6.3 Laboratory Testing

6.3.1 MOH should facilitate clear mapping of available labs to Counties to facilitate testing, surveillance and response. Current challenges in laboratory services and testing is a weak link in supporting epidemiological surveillance and COVID-19 case confirmation and outbreak response. Most Counties have general Labs and are relying on external lab services from institutions like MTRH, KEMRI and NPHL for COVID sample testing. The available laboratory resources should be properly mapped out to each county and adequately equipped to ensure timely and continuous access to lab services throughout this pandemic.

6.3.2 MOH should support and facilitate counties seeking accreditation and certification for COVID-19 laboratory testing capabilities, for example Narok, Nakuru and Bomet Counties.

6.4 Oxygen Services

6.4.1 The Technical Teams should assist in implementing a policy and guidelines for Oxygen supply and utilization. To mitigate high rate of referrals/strain on the high level hospitals with stable oxygen supply all facilities should also be required to review, improve and expand their oxygen capabilities. The minimum capacities per facility should be guided at a national level.

6.4.2 The Ministry of Health, should support the installation of oxygen plants in all the counties.

6.4.3 The importance of reliable and quality oxygen supply needs to be **prioritized** in capacity building to enable facilities to handle escalating cases, and to limit congesting the specialized facilities.

6.5 County Administration Support

6.5.1 **Capacity building** of county administration is a key consideration to helping the counties manage the current emergency situation more effectively and should be prioritized, promoted and supported. This includes developing and implementing **governance driven financing** and **cost management** strategies, strengthening **risk management** planning, and embracing **Public Private Partnerships** with Faith-based and private facilities, and seek **local resource mobilization** from other Government departments and actors including development Partners, NGO, FBO, and Private sector. Opportunity exists for government supported capacity building to strengthen counties response capabilities.

6.5.2 The **NHIF** should provide clear guidelines on the cost coverage for COVID 19 patients, as this is clearly not understood across the counties and has a notable impact on the financial management of the pandemic at County level and is a major concern for County Governments.

6.5.3 There is strong opportunity for all counties to enhance their **communication planning** to equip the public with information to mitigate the spread of the pandemic. Effective management of the pandemic is challenged by low risk communication. Stigmatization and discrimination against people with the infection is causing people to shy from testing not to apply measures for isolation for fear of stigmatization. COVID is also being perceived as a 'rumor' and as such, there is a level of

complacency by community about the pandemic as revealed by lack of mask wearing in public. As well, public engagement should be strengthened in the Counties through **dissemination** of **key messages** & IEC materials and **visible signage**.

7. CONCLUSION

7.1 The Technical Teams have established a good consultative rapport with the CHMT's and each team has made recommendations which are expected to be followed up for actualization (*Refer to Appendix B*).

7.2 As Phase 1 of the Technical Assistance exercise winds up, it is clear that the counties have yet to achieve the desired level of infrastructure preparedness and there is a lot of ongoing construction work in several counties to enhance the County health infrastructure. Even **more effort** is needed to ensure completion of the works, upgrade and refurbishment of existing facilities in line with MOH isolation facility standards to handle the pandemic situation.

7.3 Following the expected conclusion of Phase I on August 14th, the Teams will proceed as follows:

1. August 10 – 27: the Technical Team leaders will prepare and disseminate the key findings to the Governors and their CHMT's and consult and agree on the proposed implementation plans and follow up actions.

2. August 10 – 31: Commence planning for Phase II Technical Assistance on UHC systems strengthening.

3. September 10 - 30: Commencement of Phase II (UHC).

There is strong optimism by all stakeholders including the County and Technical teams, of the high value of the Phase 1 exercise, whose outcomes from current and projected planning for COVID response, will serve to strengthen the UHC pillar by availing enhanced and increased health service delivery channels and infrastructure.

8. APPENDICES

A. Technical Team Key Findings (Raw Data for all assessed facilities)

B. Technical Team Recommendations (Raw data for all assessed facilities)

C. Minimum Bed Counts per Cluster/County

D. Facility Scores per county

E. Technical Assistance Team Organization

MINISTRY OF HEALTH
TECHNICAL ASSISTANCE TEAMS
TO SUPPORT COUNTY GOVERNMENTS
IN COVID 19 & UHC HEALTH SYSTEMS STRENGTHENING

Appendix A: Key Findings
Week 3 Findings (Raw Data): July 14 – August 6th 2020

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 1	AIC ELDAMA RAVINE	Baringo	8	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Examination Trays, Pulse Oximeters, Examination Trays, Ventilators, Resuscitation/Emergency Trays, Procedure Trolleys, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys. 2. Limited Human Resources for Health: They include Specialist Physician, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Clinical Dietician, Drivers, Cooks and Laundry Attendant. Other Staff to support functions of the Isolation Centre are availed on need basis from Eldama Ravine Sub-County Hospital. 3. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Lack of Procedure Rooms and Sluice Room; 5. Lack of functional Kitchen; 6. Lack of protocols on the following: a. Disinfection/Decontamination and Waste Management; b. Nursing Care Documentation; c. Receiving Confirmed COVID-19 Case d. COVID-19 Case Management; e. Referral Guidelines 7. The facility scored 49.88%, fairly compliant.
Cluster 1	BARINGO COUNTY REFERRAL HOSPITAL	Baringo	10	0	1. Kaptimbor Health Centre is an Isolation facility for Baringo County Referral Hospital 2. Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management has not been displayed in the facility 3. Lack of Dialysis Units specific for the isolation facility 4. Inadequate Intensive Care Units (ICU) Units/Critical Care Beds 5. Human Resources for Health: Lack of Anaesthesiologists, Critical Care Nurses, Nurse Anaesthetist,

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), Clinical Nutritionist, Clinical Dietician and support staff 6. Lack of Utility Vehicle for Staff caring for COVID-19; 7. Lack of Patient Registers
Cluster 1	MOGOTIO SUB COUNTY HOSPITAL	Baringo	70	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g Pulse Oximeters, Examination Trays, Ventilators, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys and Wheel Chairs; 2. Limited Human Resources for Health: Recruit Specialist Physician, Anaesthesiologists and Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), Clinical Nutritionist, Clinical Dietician and Drivers; 3. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Lack of protocols on the following: a. Nursing Care Documentation b. Referral Guidelines 5. Staff not been sensitized on the following areas: COVID-19 Disinfection, Rapid Response, WASH, Mental Health & Psychological Care; 6. The facility scored 58.11%, fairly compliant.
		Baringo Total	88	0	
Cluster 1	KABIYET SUB COUNTY HOSPITAL	Nandi	8	0	1. There are no well demarcated entry and exit points 2. Lack of Demarcated Donning and Doffing areas 3. There is no Procedure and Sluice Room 4. There is no barrier between beds that can be disinfected 5. Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management has not been displayed in the facility 6. Lack of protocol for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management; 7. Lack of Laundry protocol 8. Unavailability of some medical equipment: Drip stands, Examination Trays, Resuscitation/Emergency Trays, Procedure Trolleys,Patient Trolleys, Waste bins 9. There no proper waste disposal mechanism, there is no Incinerator nor Burning chamber 10. There are no Hand Wash Basins as per requirement (One in every four Beds); 11. Lack of Procedure Rooms& Kitchen 12. Lack of mattresses, blankets, bed sheets and pillows and pillow cases 13. Lack of clean running water at the Isolation Centre, there is no septic tank and no connection to the sewerage

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					14. Lack of demarcation between Beds and create spacing between beds 15. Human Resources for Health: Medical officers, clinical officer,nutritionist, clinical dietician and Laboratory staff 16. "There is no mechanism for allocating unique identification numbers to 17. confirmed/suspected cases, and no patient registers" 18. The isolation/treatment unit does not have sufficient Pharmaceuticals and waste bins (Infectious and Non Infectious)
Cluster 1	KAPTUMO SUB COUNTY	Nandi	10	0	1. There was no signage of the Isolation Ward 2. There are no well demarcated entry and exit points 3. Lack of Demarcated Donning and Doffing areas 4. There is no Procedure and Sluice Room 5. Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management has not been displayed in the facility 6. Lack of protocol for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management; 7. Lack of Laundry protocol 8. Unavailability of some medical equipment: Drip stands, Examination Trays, Resuscitation/Emergency Trays, Procedure Trolleys,Patient Trolleys, Waste bins 9. Inadequate Hand Wash Basins as per requirement (One in every four Beds); 10. Lack of Procedure Rooms& Kitchen 11. Lack of Disinfection team 12. Lack of pillows and pillow cases 13. Lack of demarcation between Beds and create spacing between beds 14. Insufficient Human Resources for Health: Medical officers, clinical officer,nutritionist, clinical dietician and Laboratory staff 15. Lack of IPC Team and Sufficient Training of all the staff 16. Lack of Patient Registers 17. Lack of Waste bins (Infectious and Non Infectious)
Cluster 1	KIPSIGAK DISPENSARY	Nandi	7	0	1. There was no signage of the Isolation Ward 2. There are no well demarcated entry and exit points 3. Lack of Demarcated Donning and Doffing areas 4. Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management has not been displayed in the facility 5. Lack of protocol for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management; 6. Lack of Laundry protocol 7. Unavailability of some medical equipment: Drip stands, Examination Trays,

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					Resuscitation/Emergency Trays, Procedure Trolleys,Patient Trolleys. 8. Inadequate Hand Wash Basins as per requirement (One in every four Beds); 9. Lack of Procedure Rooms& Kitchen 10. Lack of pillows and pillow cases 11. Lack of demarcation between Beds and create spacing between beds 12. Human Resources for Health: Recruit clinical officer, nutritionist and Laboratory staff 13. Lack of IPC Team 14. Lack of running water at the Isolation Centre, there is no septic tank and no connection to the sewerage no. 15. Insufficient Capacity building in IPC training, Case management, contact tracing, sample collection and transport, WASH
Cluster 1	NANDI HILLS COUNTY HOSPITAL	Nandi	56	0	1. There was no signage of the Isolation Ward 2. Incomplete construction works at the Isolation Centre including leaking roof at the Isolation Centre and lack of proper FootBath at the entry of isolation wards 3. Standard Operating Procedures/Job Aids on case management, receiving confirmed patients, referral of patients, specimen packaging, discharging patients and nursing care have not been developed and not displayed. Nursing Care Documentation Protocols are also not available. 4. In adequate Intensive Care Units (ICU) Units/Critical Care Beds 5. Lack of treatment of sewerage before disposal to the main sewer line 6. Human Resources for Health: Lack of, Anesthesiologists and Infectious Disease Specialist 7. Lack of automated register for Covid -19 cases 8. Lack of sufficient Elbow taps at the Isolation facility , Insufficient Sinks at the patient areas
Cluster 1	SENGANI LEVEL 2 HOSPITAL	Nandi	6	0	1. There was no signage of the Isolation Ward 2. There are no well demarcated entry and exit points 3. Lack of Demarcated Donning and Doffing areas 4. Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management has not been displayed in the facility 5. Lack of protocol for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management, specimen collection 6. Lack of oxygen supply 7. Lack of Laundry protocol 8. Unavailability of some medical equipment: Drip stands, Examination Trays, Resuscitation/Emergency Trays, Procedure Trolleys,Patient Trolleys. 9. Inadequate Hand Wash Basins as per requirement (One in every four Beds); 10. Lack of Procedure Rooms& Kitchen 11. Lack of pillows and pillow cases

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					12. Lack of demarcation between Beds and create spacing between beds 13. Human Resources for Health: Lack of Public Health officer 14. There exists a septic tank at the facility, however there is no connection from the isolation centre to the sewerage. 15. Lack of properly constituted IPC Team and Disinfection team 16. Lack of Laboratory supplies for Covid-19 Specimen collection 17. There is no planned designated means of transportation for Health Workers caring for Covid-19 confirmed/suspected cases 18. Lack of patient registers 19. Insufficient Capacity building in IPC training, Case management, contact tracing, sample collection and transport, WASH
Cluster 1	SEREM	Nandi	6	0	1. Attached
		Nandi Total	93	0	
Cluster 1	ELELEA SUB COUNTY HOSPITAL	Turkana	3	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands, Mackintosh Mattresses, Linen, Waste Bins and Drug Trolleys. 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Registered Clinical Officers, Laboratory Technologists, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of procedure and sluice rooms, washrooms, toilets, doffing and donning areas in the facility; 4. Inadequately equipped laboratory; 5. Lack of electricity or other sources of power 6. Lack of incinerator for management of infectious wastes; 7. Inadequate toilets and hand wash basins as per requirement (one in every four beds); 8. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 9. Lack of functional kitchen and laundry;
Cluster 1	IRC REFUGEE MAIN HOSPITAL	Turkana	16	0	1. No Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Pulse Oximeters, Ventilators, Procedure Trolleys, Cardiac Monitors, Defibrillators, Laryngoscopes for paediatrics, Wheel Chairs, Examination Trays, Drip Stands, Bedside Locker, Cellulose Blanket, Pillow, Patient Trolleys and Drug Trolleys 2. Limited Human Resources for Health: Specialist Physician/Internal Medicine, Anaesthesiologists,

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Drivers, Cooks and Laundry Attendant. 3. Establish sluice rooms, washrooms & toilets, donning and doffing facilities 4. Lack of incinerator for management of infectious wastes & treatment mechanisms of waste before released to septic tanks; 5. No laundry and mortuary;
Cluster 1	KAIKOR HEALTH CENTRE	Turkana	5	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands, Mackintosh Mattresses, Linen, Waste Bins and Drug Trolleys 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Registered Clinical Officers, Laboratory Technologists, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Inadequately equipped laboratory; 4. Lack of electricity 5. Lack of incinerator for management of infectious wastes; 6. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 7. Lack of functional laundry; 8. Lack of clean water sources
Cluster 1	KAINUK HEALTH CENTRE	Turkana	3	0	1. No Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands and Drug Trolleys. 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of procedure and sluice rooms in the facility; 4. Lack of incinerator for management of infectious wastes;

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					5. Inadequate toilets and hand wash basins as per requirement (one in every four beds); 6. Lack of standard operating procedures/job aids on receiving confirmed patients, case management, referral, specimen packaging, discharging patients, disinfection/decontamination and waste management; 7. Lack of COVID-19 treatment protocols 8. No clean water, electricity, security, laundry, kitchen, mortuary and designated residence and means of transport for Health Workers to care for COVID 19 confirmed/suspected cases;
Cluster 1	KAKUMA MISSION HOSPITAL	Turkana	9	0	1. No Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Suction Machine, Oxygen, Pulse Oximeters, Ventilators, Endotracheal tubes, Procedure Trolleys, Cardiac Monitors, Defibrillators, Laryngoscopes, Examination Trays, Drip Stands and Drug Trolleys. 2. Limited Human Resources for Health: Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Drivers, Cooks and Laundry Attendant. 3. Establish donning and doffing facilities 4. Lack of incinerator for management of infectious wastes; 5. Lack of nursing care documentation protocols 6. No Ambulance, Laboratory, Laundry, Kitchen, Mortuary, designated residence and means of transport for Health Workers managing COVID 19 confirmed/suspected cases;
Cluster 1	Kanamkemer Sub County Hospital	Turkana	30	0	Kanamkemer Sub County Hospital is a 30 Bed Facility with 11 COVID-19 Patients who have been in isolation for the last 42 days. All Asymptomatic. The facility has a total of 10 Technical Officers (5 Nurses, 2 Clinical Officers, 1 Laboratory Technologists, 2 Public Health Officers) and 8 support staff (Drivers, Cleaners & Cooks). Oxygen Needs: Turkana County & Referral Hospital has Oxygen Generating Plant installed in 2015. It produces 10 Cylinders of 25 litres/day and are sufficiently supplied to all the sub county health facilities. Piped Oxygen is supplied to all the wards in the County Referral Hospital. Kanamkamer Isolation Facility has one (1) 25 litre oxygen cylinder which can be added based on need of Oxygen in the facility. The Oxygen has not been inspected and approved by the Pharmacy & Poisons Board. Key Gaps 1. No Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Examination Trays, Pulse Oximeters, Ventilators, Resuscitation/Emergency Trays, Procedure Trolleys, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Drug Trolleys; 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine,

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Drivers, Cooks and Laundry Attendant; 3. Lack of Incinerator for management of infectious wastes; 4. No Laundry facilities; 5. Lack of a Mortuary/Cold Room for preservation of the dead; 6. No designated means of transportation of Health Workers caring for COVID 19 Confirmed/Suspected Cases;
Cluster 1	KATABOI HEALTH CENTRE	Turkana	1	1	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands, Mackintosh Mattresses, Linen, Waste Bins and Drug Trolleys 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Registered Clinical Officers, Laboratory Technologists, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of procedure and sluice rooms, washrooms, toilets, doffing and donning areas in the facility; 4. Staff not trained on COVID-19 Case Management Protocols (IPC, Contact Tracing, Sample Collection, Disinfection, Rapid Response, WASH, Mental Health & Psychological Care) 5. Lack of protocols on the management of COVID-19; 6. Inadequately equipped laboratory; 7. Lack of electricity or other sources of power 8. Lack of incinerator for management of infectious wastes; 9. Inadequate toilets and hand wash basins as per requirement (one in every four beds); 10. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 11. Lack of functional kitchen and laundry; 12. No signage, demarcated entry and exit points; 13. Lack of clean water sources
Cluster 1	KENYA REDCROSS KALOBEYEI HOSPITAL	Turkana	11	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Resuscitation/Emergency Trays, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Bed Side Lockers, Pillows, Pillow Cases & Examination Trays

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					2. Limited Human Resources for Health: Recruit Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of sluice rooms 4. Lack of incinerator for management of infectious wastes; 5. Inadequate toilets and hand wash basins as per requirement (one in every four beds);
Cluster 1	LOKICHAR SUBCOUNTY HOSPITAL	Turkana	3	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands, Mackintosh Mattresses, Linen, Waste Bins and Drug Trolleys 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Registered Clinical Officers, Laboratory Technologists, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of procedure and sluice rooms, washrooms, toilets, doffing and donning areas in the facility; 4. Lack of protocols on the management of COVID-19; 5. Inadequately equipped laboratory; 6. Lack of electricity or other sources of power 7. Lack of incinerator for management of infectious wastes; 8. Inadequate toilets and hand wash basins as per requirement (one in every four beds); 9. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 10. Lack of functional kitchen and laundry; 11. No signage, demarcated entry and exit points; 12. Lack of clean water sources
Cluster 1	LOKIRIAMA HEALTH CENTRE	Turkana	2	0	1. No Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Pulse Oximeters, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers and Drug Trolleys. 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					(HRIO), Clinical Dietician, Drivers, Cooks and Laundry Attendant. 3. Lack of Procedure and Sluice Rooms in the facility 4. Lack of Incinerator for management of infectious wastes; 5. Inadequate hand washbasins as per requirement (one in every four beds); 6. Lack of standard operating procedures/job aids on receiving confirmed patients, case management, referral, specimen packaging, discharging patients, disinfection/decontamination and waste management; 7. Lack of an Infection Prevention and Control Team (IPC); 8. No Laundry facilities, mortuary and designated residence and means of transport for Health Workers to care for COVID 19 confirmed/suspected cases;
Cluster 1	LOKITAUNG SUB COUNTY HOSPITAL	Turkana	12	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands, Mackintosh Mattresses, Linen, Waste Bins and Drug Trolleys 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Registered Clinical Officers, Laboratory Technologists, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Inadequate toilets, washrooms and hand wash basins as per requirement (one in every four beds); 5. Lack of procedure and sluice rooms in the facility; 6. Lack of incinerator for management of infectious wastes; 7. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 8. Lack of functional laundry;
Cluster 1	LORUGUM SUB COUNTY HOSPITAL	Turkana	8	0	1. No Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Suction Machine, Oxygen, Pulse Oximeters, Ventilators, Endotracheal tubes, Procedure Trolleys, Cardiac Monitors, Defibrillators, Laryngoscopes, Examination Trays, Drip Stands and Drug Trolleys. 2. Limited Human Resources for Health: Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Drivers, Cooks and Laundry Attendant. 3. Establish donning and doffing facilities;

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					4. Lack of incinerator for management of infectious wastes; 5. Lack of nursing care documentation and other COVID 19 case management protocols 6. No Ambulance, Laboratory, Laundry, Kitchen, Mortuary, designated residence and means of transport for Health Workers managing COVID 19 confirmed/suspected cases;
Cluster 1	LOWARENG AK HEALTH CENTRE	Turkana	4	0	1. Lack of Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Suction Machine, Oxygen, Pulse Oximeters, Digital Blood Pressure Machine, Ventilators, Endotracheal tubes, Resuscitation/Emergency Trays, Procedure Trolleys, Wheel Chairs, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys, Bed Side Lockers, Pillows, Pillow Cases, Examination Trays, Drip Stands, Mackintosh Mattresses, Linen, Waste Bins and Drug Trolleys 2. Limited Human Resources for Health: Medical Officers, Specialist Physician/Internal Medicine, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Registered Clinical Officers, Laboratory Technologists, Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Health Records & Information Officer (HRIO), Clinical Dietician, Cooks and Laundry Attendant. 3. Lack of procedure and sluice rooms, washrooms, toilets, doffing and donning areas in the facility; 4. Lack of protocols on the management of COVID-19; 5. Inadequately equipped laboratory; 6. Lack of incinerator for management of infectious wastes; 7. Inadequate toilets and hand wash basins as per requirement (one in every four beds); 8. Lack of an Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 9. Lack of functional kitchen and laundry; 10. No demarcated entry and exit points;
		Turkana Total	107	1	
Cluster 1	ELGEYO BORDER DISPENSARY	Uasin Gishu	29	0	Unavailability of some specialized medical supplies: Mattresses, Suction Machine, Oxygen Concentrator, Bed Side Lockers, Linen of all kinds, Pulse Oximeter, Examination Trays, Wheelchair Inadequate Human Resources for Health There was no signage of the Isolation Ward The entry and exit points are not well demarcated Lack of Barriers and Demarcation (Screens) between beds Lack of Demarcated Donning and Doffing areas Lack of Hand Wash Basins with elbow taps as per requirement (One in every four Beds); Lack of Personal Protective Equipment for Laboratory and Isolation Facility Lack of Pharmaceuticals and Non Pharmaceuticals Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management are

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					not in place Lack of Standard Operating Procedures/Job Aids on receiving confirmed patients, case management, referral, specimen packaging and discharging patients Staff have not been trained on all the modules of COVID-19 Case Management e.g. COVID-19 Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Lack of patient information management system No designated means of transportation of Health Workers caring for COVID 19 Confirmed/Suspected Cases and Ambulance Lack of back up source of electricity Lack of zoning of the facility (Hot, Warm, Cold) Lack of Treatment mechanisms of Waste/sewarage before disposal to the Septik Tank Lack of Infection Prevention and Disinfection Teams Laundry Equipment not installed Lack of Laundry Protocol Lack of clean water source due to poor plumbing works
Cluster 1	KATUIYO HEALTH CENTRE	Uasin Gishu	15	0	Unavailability of some specialized medical supplies: Beds, Mattresses, Cellulose Blankets, Sheets, Oxygen Concentrators, Bed Side Lockers, Linen of all kinds, Pulse Oximeter, Wheelchairs, Procedure Trolleys, Waste Bins, Patient Trolleys Inadequate Human Resources for Health There was no signage of the Isolation Ward The entry and exit points are not well demarcated Lack of Barriers and Demarcation (Screens) between beds Lack of Demarcated Donning and Doffing areas Lack of Hand Wash Basins with elbow taps as per requirement (One in every four Beds); Lack of Personal Protective Equipment for Laboratory and Isolation Facility Lack of Pharmaceuticals and Non Pharmaceuticals Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management are not in place Lack of Standard Operating Procedures/Job Aids on receiving confirmed patients, case management, referral, specimen packaging and discharging patients Staff have not been trained on all the modules of COVID-19 Case Management e.g. COVID-19 Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Lack of patient information management system No designated means of transportation of Health Workers caring for COVID 19 Confirmed/Suspected Cases and Ambulance Lack of back up source of electricity Lack of zoning of the facility (Hot, Warm, Cold)

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					Lack of Treatment mechanisms of Waste/sewarage before disposal to the Septik Tank Worn out Burning Chamber Lack of Infection Prevention and Disinfection Teams
Cluster 1	KIPLOMBE HEALTH CENTRE	Uasin Gishu	19	0	Unavailability of some specialized medical equipment: Pulse Oximeter Inadequate Human Resources for Health There was no signage of the Isolation Ward The entry and exit points are not well demarcated Lack of Demarcation between beds Lack of clean water source Lack of an Incinerator for management of infectious wastes Lack of Personal Protective Equipment Lack of Sluice Room in the facility Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management are not in place Lack of Standard Operating Procedures/Job Aids on receiving confirmed patients, case management, referral, specimen packaging and discharging patients Staff have not been trained on all the modules of COVID-19 Case Management e.g. COVID-19 Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Lack of patient information management system No designated means of transportation of Health Workers caring for COVID 19 Confirmed/Suspected Cases Lack of Electricity & back up source of electricity (Solar System Completion) Lack of zoning of the facility (Hot, Warm, Cold) Lack of well defined barriers for entry and exit points Lack of Treatment mechanisms of Waste/sewarage before disposal to the Septik Tank No designated means of residence for Health Workers caring for COVID 19 Confirmed/Suspected Cases Lack of trained Disinfection and IPC Team
Cluster 1	SAMBUT DISPENSARY	Uasin Gishu	6	0	1 Unavailability of some specialized medical equipment: Pulse Oximeter, Sheets, Mattresses, Beds, Blankets, Patient Lockers, Pillows, Pillow Cases and Oxygen 2 Inadequate Human Resources for Health 3 There was no signage of the Isolation Ward 4 The entry and exit points are not well demarcated 5 Lack of demarcation between Beds 6 Lack of Demarcation between beds 7 Lack of Demarcated Donning and Doffing areas 8 Replacement Hand Wash Basins with elbow taps as per requirement (One in every four Beds);

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					9 Lack of Personal Protective Equipment 10 Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management are not in place 11 Lack of Standard Operating Procedures/Job Aids on receiving confirmed patients, case management, referral, specimen packaging and discharging patients 12 Staff have not been trained on all the modules of COVID-19 Case Management e.g. COVID-19 Disinfection, WASH, Mental Health & Psychological Care and Rapid Response 13 Lack of patient information management system 14 No designated means of transportation of Health Workers caring for COVID 19 Confirmed/Suspected Cases 15 Lack of back up source of electricity 16 Lack of zoning of the facility (Hot, Warm, Cold) 17 Lack of Treatment mechanisms of Waste/sewarage before disposal to the Septik Tank 18 Lack of security 19 There are no Disinfection and IPC Team
		Uasin Gishu Total	69	0	
Cluster 1	CHEPARERIA SUB COUNTY HOSPITAL	West Pokot	2	0	1. The proposed Isolation room is a purposed build generator house with no social amenities, grilled windows with no provision to be closed in the middle of other hospital facilities. It is not suitable for use as Isolation. 2. Covid-19 training and capacity building was inadequate. Only 15 of the 63 clinical staff in the facility have been trained. 3. There is unoccupied student hostel with 12 rooms within the hospital compound. If renovated it can serve as a better Isolation facility. 4. COVID-19 protocols are available but not prominently displayed in the facility 5. The medical equipment available are inadequate: few Drip stands, wheel chairs, two beds, no laryngoscopes 6. ICU facilities and personnel are not available 7. There is a multi-disciplinary Rapid Response Team with a weekly rota in place. 8. The facility does manual laundry of hospital linen with only one laundry attendant. 9. The facility has limited oxygen capacity with only two 4.6 kg cylinders available.
Cluster 1	COUNTY SCHOOL OF GOVERNMENT COVID -19 ISOLATION CENTRE	West Pokot	0	0	1. The proposed Isolation facility is not ready for use as the contractor has ongoing pending works. 2. Once complete the facility will have more than 300 beds. 3. There were 200 mattresses already procured

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 1	KACHELIBA SUB COUNTY HOSPITAL	West Pokot	2	0	1. The proposed Isolation Unit is not suitable; it is part of the main theatre. There was no signage of the Isolation Ward, there are no well demarcated entry and exit points and Lack of Demarcated Donning and Doffing areas. 2. There has been adequate capacity building for the staff. 3. The available PPEs are inadequate 4. The Subcounty Hospital is located strategically bordering Uganda, and is the last facility before the border 5. Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management are not available and have not been displayed in the facility 6. The sewerage system has collapsed, there is a manual laundry and the burning chamber is not functional. 7. Lack of protocol for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management; 8. There is insufficient Human Resources for Health: There are no Medical Officers, Specialists Physician, Pharmacists and Critical Care Nurses.
Cluster 1	KAPENGURIA COUNTY REFERRAL HOSPITAL	West Pokot	18	0	1. There is an Isolation units with 18 beds 2. The Isolation unit has a donning area, changing room as well as a doffing area 3. There are six multi-disciplinary Rapid Response Team with 4. The facility has an oxygen plant supplying oxygen to the Isolation unit 5. COVID-19 patient management protocols were not available 6. ICU facilities and personnel are not available 7. Five dialysis machines are available in the hospital. 8. The team were aware of COVID-19 patient management protocols, however non were available at the facility.
Cluster 1	ORTUM MISSION HOSPITAL	West Pokot	16	0	1. The proposed Isolation room is available with 16 bed capacity but not ready. Its well ventilated and situated at a location which has been fenced off from the rest of the hospital. 2. Covid-19 training and capacity building was inadequate. The hospital leadership reported lack of practical demonstration on sample collection and processing. 3. There is unoccupied student hostel with 12 rooms within the hospital compound. If renovated it can serve as a better Isolation facility. 4. COVID-19 protocols were not available in the facility 5. Most medical equipment were available though inadequate 6. ICU facilities and personnel are not available in the facility. 7. There is a no structured Rapid Response Team in place. 8. There was no functional ambulance at the facility. 9. The facility has limited oxygen capacity with only two 4.6 kg and one 1.64 kg cylinders available.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 1	SIGOR SUB COUNTY HOSPITAL	West Pokot	2	0	1. The proposed Isolation room is not suitable, its within the wards in the facility. There is no signage of the Isolation Ward, no well demarcated entry and exit points, lack of Demarcated Donning and Doffing areas, and Procedure and Sluice Room 2. Covid-19 training and capacity building was inadequate. Only 15 of the 50 staff in the facility are trained. 3. Lack of protocol for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management. Furthermore Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management has not been displayed in the facility 4. Unavailability of some medical equipment: Drip stands, Examination Trays, Resuscitation/Emergency Trays, Procedure Trolleys, Patient Trolleys, Waste bins 5. There is a multi-disciplinary Rapid Response Team. 6. The facility has a limited laundry capacity, with only one staff available and all lined are hand washed. 7. The facility has limited oxygen capacity with only 2 cylinders.
		West Pokot Total	40	0	
Cluster 2	KAPLONG MISSION HOSPITAL	Bomet	6	2	1. An isolation unit with capacity of beds has been earmarked by the hospital however it requires set up to internationalize it 2. Lacks doffing areas bathroom at exit and demarcations 3. Lacks procedure room, laundry and kitchen 4. Hospital has basic equipment to manage patients with mild to moderate cases 5. The hospital does not have a public health office/officer for the 129 beds 6. No disinfection team 7. Inadequate HRM for the isolation already 23 HRH are under self quarantine 8. Arrangement made to accommodate to transport HCW (staff guests with a capacity of 8 rooms in place
Cluster 2	KOIWA LEVEL 4 HOSPITAL	Bomet	18	0	1. 24 bed isolation unit - 18 regular, 6HDU. Not oeprationalised, but ready to receive patients. A 200 bed unit is upcoming with 4 blocks. Block A is at 90% completion, B at 80%, Cand F at 50% completion. The floors are rough and unsuitable for proper IPC 2. Equipment adequate for the 24 bed unit, except critical care equipment. Procurement of equipment under way for the 200 bed unit. 3. IPC and WASH adequate. 4. HRH adequate for the 24 bed unit. 5. Patient information management in place 6. Oxygen is piped supplied from 10 cylinders. 15 concentrators in place. 7. Accommodation and transport arrangement for HRH in place.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					8. No ambulance attached hed to the unit 9. No mortuary, but have a holding area.
Cluster 2	LONGISA HOSPITAL	Bomet	21	0	- Lacks isolation facilities for expectant mothers and children - Longisa hospital has a functional isolation and treatment centre for covid -19 with a capacity of 18 regular beds and 6 ICU beds with ventilators - Lacks kitchen and laundry services at the isolation unit - Lacks a Ram - In adequate IPC and hand washing points - Lacks portable x-ray machine to support diagnosis at the unit including chest complications , RTAs etc
Cluster 2	TENWEK HOSPITAL	Bomet	24	3	1. A 27 bed functional isolation unit, 23 regular and 3 icy. 2. Critical care equipment not adequate due to wide catchment area as patients seek specialised treatment 3. Case management protocols in place 4. HRH inadequate with only 1 trained critical care nurse. 5. HRH psychosocial support in place 6. Patient management information not in place 7. Long TAT for lab results 8. Inadequate supply of body bags
		Bomet Total	69	5	
Cluster 2	AINAMOI HEALTH CENTRE	Kericho	52	0	1. The County has earmarked Ainamoi Health centre to handle asymptomatic case with a 55 bed capacity. 2. The infrastructure is 90% complete 3. It lacks critical care facilities (ICU beds and ventilators). 4. HRH is adequate to manage asymptomatic cases. 5. Lacks a system to manage patient information. 6. Lacks PPEs and equipment required as per the checklist. 7. Source of oxygen - Oxygen cylinders.
Cluster 2	KERICHO LEVEL 4 HOSPITAL	Kericho	34	0	1. A functional isolation unit with 34 regular and 1 icy beds. The entire hospital will be converted to a covid 19 unit as covid 19 patient numbers increase. 2. Equipment was adequate to support service delivery 3. IPC & WASH well provided for, BUT IPC committee not active 4. Inadequate psychosocial support to patients and staff. 5. TAT for lab results of 24 hours 6. No protocols to handle covid 19 patients requiring dialysis 7. HRH inadequate

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					8. Ten self contrained rooms under construction to accommodate HRH after high risk exposure 9. New evidence and moh guidelines take time to get to service providers
Cluster 2	Kipketer Dispensary	Kericho	29	0	1. Functional isolation and treatment centre with a capacity of 29 regular beds. Currently 1 patient is admitted. 2. Lacks critical care services (ICU and ventilators). 3. Source of oxygen - 6 oxygen cylinders and 2 oxygen concentrators. 4. Quite inadequate HRH (1 nurse and 6 support staff). 5. No designated disinfection team. 6. Block 2 requires demarcation and reorganisation. 7. The clinical staff are assigned other duties in other facilities within the tea estate.
Cluster 2	UNILEVER CENTRAL HOSPITAL	Kericho	17	4	1. A 21 bed functional private unit. 4 of these are icu beds. 2. Facility is adequately equipped, with adequate IPC and WASH facilities 3. Case management protocols are in place. 4. A 13 self contained rooms are used to accommodate staff working in the unit. 5. The facility has an agreement with the county to admit healthcare workers who require hospitalization due to covid. 6. HRH has been interviewed and await to report as driven by demand 7. Adequate water supply with a water treatment plant and adequate storage 8. Unit not fenced
		Kericho Total	132	4	
Cluster 2	BONDENI SUB COUNTY HOSPITAL	Nakuru	48	0	1. The facility has physical infrastructure earmarked to be used as an isolation/treatment centre, however, it is not yet operational. 2. It has a proposed bed capacity of 60. 3. The facility has adequate IPC/WASH infrastructure 4. The facility has inadequate equipments, human resource and other support structures required for an isolation centre (Refer to the Checklist)
Cluster 2	GILGIL SUB COUNTY HOSPITAL	Nakuru	2	0	1. There is a holding area with 2 beds, and no other equipment. This is not demarcated, and is adjacent to medical surgical ward. 2. A 50 bed unit is under construction, approximately 85% complete. It has no equipment or human resource. 3. There was reported plan to equip and staff the 50 bed unit.
Cluster 2	LANGA LANGA HOSPITAL	Nakuru	32	0	1. No signage of the unit 2. The gate to the facility is shared with the Opd and used as entry and exit for all pati8 3. No laundry machine 4. Kitchen very small and within the ward 5. Facility not adequately equipped

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					6. HRH not adequate 7. No power backup 8. No mechanism of addressing psychosocial issues of the staff
Cluster 2	NAIVASHA HOSPITAL	Nakuru	10	2	1. The Hospital has a functional Isolation/treatment centre with 10 regular beds and 2 ICU beds. There's also a building under renovation earmarked incase there is a spill over. 2. Has adequate equipment necessary for the isolation centre with a few missing (Refer to the checklist) 3.The isolation unit lacks demarcation, signage and a perimeter wall to secure the area. 4. Inadequate HRH cutting across the entire hospital. 5. The facility is also concerned about the turn around time of the specimen testing from the time of collection to receipt of results- felt its long. 6. The hospital has an IPC and WASH team which is divided into three; two are in-charge of case management while one team takes charge of the Rapid Response Team.
Cluster 2	NAKURU COUNTY REFERRAL HOSPITAL	Nakuru	20	4	1. The hospital has a fully operational isolation centre with 20 regular beds and 4 ICU beds. 2. Inadequate HRH- a number were deployed to Langalanga Isolation centre. 3. No arrangement to house the healthcare workers working at the isolation. 4. Long turnaround time for test results especially those sent to KEMRI labs Nairobi (5-7days) 5. Inadequate counselling services for the patients exhibiting psychosocial challenges due to COVID19. 6. Lacks isolation/quarantine facility specific for HCWs who get exposed on line of duty.
Cluster 2	PGH Nakuru Annex	Nakuru	60	4	1. Critical care unit not adequately equipped. 2. HRH not adequate to meet recommended ratios. 3. Oxygen supply not adequate to support ventilator use 4. No arrangement in place to accommodate health workers
		Nakuru Total	172	10	
Cluster 2	Baraka Hospital	Narok	11	2	1. 11 bed unit. Not organised as yet. 2. Equipment available awaiting setting 3. Procurement of ventilator on course 4. Ipc and wash in place 5. HRH inadequate, team comprises of 6 members 6. Case management protocols not in place 7. Support services for Hrh in place.
Cluster 2	EMURUA DIKIRR HEALTH CENTRE	Narok	1	0	1. A 1 bed temporary unit in place. A 34 bed unit upcoming at about 80% completion. 2. No laundry and kitchen facilities 3. 5 beds with linen available, 10 more to be relacetd from dispensaries in the county. 4. IPC and WASH provided for

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					5. 2 nurses and 1 clinical officer designated to take care of covi 19 cases. Arrangement has been made to transfer 9 nurses, 2 COs, 1 pharmtec, 2 PHOs and 1 MO from.subcounty to the 34 bed unit once it is operationalised. 6. Case management protocols not in place 7. Water supply inadequate. Facility relies on raine water and has inadequate storage capacity. 8. No accommodate arrangement for HRH.
Cluster 2	LOLGORIAN SUB COUNTY HOSPITAL	Narok	2	0	1. The hospital has earmarked a 2 bed self-contained block to be the Isolation, however, it does not meet minimum requirements of an Isolation (Lacks legible signage, demarcation, nurse station, donning and doffing area- refer to checklist). 2. A two twin blocks under construction to hold 64 beds, each 32 beds for male and female at 70% and 40% completion rate respectively has been identified as the hospital Isolation and Treatment Centre. 3. Lacks the equipments and other support structures (ICU beds, ventilators). 4. Inadequate HRH for the Isolation Unit. 5. Lacks full sets of PPEs, Laboratory materials and equipments for sample collection and packaging. 6. The hospital uses an oxygen concentrator as a main source.
Cluster 2	NAIRREGIE ENKARE HEALTH CENTRE	Narok	10	0	1. A 10 bed unit, but require some modifications for compliance as an isolation unit. No perimeter fence. 2. Facility has no laundry, and a temporary kitchen is under construction. There are no washroom facilities for patients. 3. No hrh designated for covid 19 patients care; need assessment has been done and request approved at the county level . 4. Facility not equipped other than beds, mattress and bedding. Electricity supply is single phase. 5. Case management protocols not in place.
Cluster 2	NAROK COUNTY REFERRAL HOSPITAL	Narok	11	0	1. The facility has a functional Isolation and Quarantine Centre with 11 beds in Isolation and 17 in the Quarantine facilities. Currently there are 6 patients in the Isolation and 1 in the quarantine facilities. 2. Inadequate HRH leading to long shift hours (Long exposure). 3. Hospital has 6 ICU beds, but none is dedicated to COVID19 cases. 4. Samples collected for testing are taken to KEMRI Labs in Kisumu. 5. Equipments available except for a few (Refer to checklist). 6. The hospital is ready to roll out UHC.

Cluster 2	OLOLULUNGA COVID ISOLATION CENTRE	Narok	12	0	1. The County has earmarked Ololunga Sub-County Hospital to be the County Isolation/Treatment Centre.
					2. Construction works for the 3 blocks Isolation Unit are in progress;
					  - Block A is 95% complete which can accommodate 72 Covid19 beds; its ready for use in the short term (one month).
					  - Block B and C is 60% and 40% complete respectively.
					3. Inadequate HRH, equipments, Covid19 commodities and other support structures (Refer to

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					checklist). 4. No provision for a Oxygen plant, water treatment plant and waste disposal and management facilities. 5. No provision for ICU beds (Projected 15 ICU and 35 HDU beds).
Cluster 2	TRANSMARA WEST SUB COUNTY HOSPITAL	Narok	9	0	1. A 9 bed capacity is in place and operational. 2. No equipments to support critical care management. 3. PPEs are inadequate. 4. HRH is inadequate. 5. Case management protocol is in place 6. Staff are trained on capacity building. 7. Patient information management is not yet in place. 8. Support structures and services is in place for staff. 9. The mortuary has no cooling/preserving machinery. 10. The one available generator is old and cannot sustain the entire facility.
		Narok Total	56	2	
Cluster 3	KANDIEGE SUB COUNTY	Homa Bay	70	0	No PPESs No oxygen cylinders No oxygen masks for adults
Cluster 3	MALELA SUB COUNTY HOSPITAL	Homa Bay	20	0	Staff welfare: delayed salaries
Cluster 3	NYAGORO SUB COUNTY	Homa Bay	30	0	Delayed salaries and lack of incentives to healthcare workers No proper fence
Cluster 3	NYANGIELA SUB COUNTY	Homa Bay	20	0	Inadequate supply of PPEs Inadequate supply of clean water
Cluster 3	OBER SUB COUNTY HOSPITAL	Homa Bay	40	0	No designated means of transport for health care workers No properly zoned areas i.e Cold, warm & Hot No MO or Specialized physician
Cluster 3	PALA KOGUTA SUB COUNTY	Homa Bay	30	0	Have no capacity to handle critical care patients Shortage of staff (medics) No designated residence for health care workers No provision for sewerage treatment
Cluster 3	TOM MBOYA SUB COUNTY	Homa Bay	30	0	Inadequate PPEs No designated ambulance No Oxygen supply No critical care beds

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
		Homa Bay Total	240	0	
Cluster 3	KISII TEACHING AND REFERRAL HOSPITAL	Kisii	250	15	1. ICU has 15 beds 2. Facility does not have a risk management plan 3. No dialysis machine for COVID-19 patients 4. Ventilators not enough 5. No zoning of Covid-19 patients in the isolation ward
		Kisii Total	250	15	
Cluster 3	AHERO SUB COUNTY HOSPITAL	Kisumu	4	0	1. The facility has a 4 bed holding/ quarantine unit for suspected cases awaiting testing and results . The quarantine unit is formerly the Male ward with some regular patients still accommodated in the same ward. There was one COVID-19 suspected case who tested negative and awaiting discharge at the time of assessment. 2. There are no designated staff in the quarantine unit, the quarantined patients are attended to by same staff attending to other patients in OPD and IPD. There are also no equipment designated for suspected COVID quarantined cases as they are shared with the rest of the facility. 3. The infrastructure is inadequate; there is no signage, no zoning, single entry and exit point shared by staff and patients, among other inadequacies making the unit unsuitable. 4. The unit has no complete PPE kit. Staff attended to the quarantined patient without proper donning. 5. There is an incomplete ward being built within the facility, which if finishing is done can be ideal for quarantine/ isolation, with capacity of up to 30 beds.
Cluster 3	CHULAIMBO SUB COUNTY	Kisumu	2	0	a)No isolation /quarantine unit was found in the facility b)A holding room with two beds was found c)No exit out of the room,entry serves both purposes d)No toilets for both staff and patients e)No working area for staff f)No staff depoyed in the unit g)Room was unsuitable for intended use
Cluster 3	GITA SUB COUNTY HOSPITAL	Kisumu	5	0	a)Structural improvements to be done in the isolation unit, no donning and doffing areas,support structures like laundry,sluice room not in place,exit point not available b)Inadequate PPEs , critical equipment such as ventilators, suction machines lacking and supplies c)Staff not deployed in the isolation unit d)Case management protocols/Job aids lacking in the isolation unit
Cluster 3	JARAMOGI OGINGA ODINGA TEACHING AND	Kisumu	84	3	1. Facility has 17 Covid-19 patients 2. Up to 60 staff are trained on Covid-19 3. Signage Inadequate both internal and external 4. Zoning is such that access to red zone criss cross green zone

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
	REFERRAL HOSPITAL				5. More staff required, more training required 6. Facility has capacity of upto 120 beds
Cluster 3	KISUMU COUNTY REFERRAL HOSPITAL	Kisumu	10	0	1. There's a functional 4 bed isolation unit 2. 20 staff trained and 10 designated for isolation unit. Staff Inadequate so other cadres absent in the teams 3. Signage Inadequate, design of the facility allows interraction of green and red zones. Security is poor 4. Inadequate equipment, no provision for critical care 5. The new maternity unit is intended to hold 50 beds. However, poor ventilation and design challenges are visible 6. Staff have no designated residence or transport 7. Surgical masks supplied are of poor quality
Cluster 3	KMTC Kisumu Quarantine Centre	Kisumu	80 Quarantine Beds	0	a)Current infrastructure is fit for a quarantine facility b)Staff is adequate in the facility c)Wooden beds with mattresses without mackintosh found d)Erratic supply of commodities,materials and equipment reported e)Food and refreshment for staff working in the quarantine unit reportedly not provided f)Transport and accomodation for staff working in the unit not provided g)Washing machine at laundry inadequate h)No signages and proper zoning of the facility
Cluster 3	KOMBEWA SUB COUNTY HOSPITAL	Kisumu	6	0	a)The structure is unsuitable for isolation/holding/quarantine unit because it has no demarcated entry and exit points,no male and female wards,floor was rough and not of recommended material,no procedure room,no nurse desk,no toilets for staff b)No trained staff designated to work in the unit c)Inadequate PPEs,equipment and supplies d)No facility to accomodate HCWs working in the isolation unit e)No ICU dedicated for Covid-19
Cluster 3	NYAHERA SUB COUNTY HOSPITAL	Kisumu	2	0	a)Facility accessible by a common entrance by all patients coming to the hospital b)The unit is situated among other utility areas c)Building has only one entrance, no exit d)No donning and doffing areas e)No toilets for staff and patients f)No staff deployed to the unit g)No HCWs trained in COVID-19 but 6 nurses,2 lab technologists,4 clinical officers and 2 public health officers have been sensitized

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 3	NYAKACH SUB COUNTY HOSPITAL	Kisumu	6	0	1. The facility has a six bed capacity quarantine/ holding unit for suspected case awaiting testing and results. The facility has previously admitted such cases, However, there was no patient at the time of assessment. 2. The infrastructure is inadequate; it has single entry points for both staff and clients, there are no separate Male and female wards, no signage, no provisions for donning and doffing, inadequate toilet and wash rooms among other requirements. 3. There are no designated staff to manage patients at the quarantine unit, with staff from OPD and IPD handling both regular patients and quarantined patients. 4. There are no equipment designated for the quarantine unit with equipment shared with the rest of the Hospital. There is no complete set of PPE kit available at the facility. 5. There are inadequate job aids at the facility with staff training required
		Kisumu Total	119	3	
Cluster 3	KEGONGA DISTRICT HOSPITAL	Migori	28	0	Donning & Doffing areas are not demarcated No functional kitchen No laundry No oxygen supply Have no PPEs
Cluster 3	NYATIKE SUB COUNTY REFERRAL HOSPITAL	Migori	183	0	Laundry machine not working Inadequate provision of mosquito net Filled up latrines Inadequate provision of security lights Inadequate supply of liquid soap
		Migori Total	211	0	
Cluster 3	BOMBANGI HEALTH CENTRE	Nyamira	5	0	1. A structure with 5 rooms intended for a dispensary in place with 5 beds and 5 bed lockers 2. No staff deployed yet. 3. No kitchen and Laundry 4. No designated staff houses 5. Most equipment are not available
Cluster 3	BOMBANGI HEALTH CENTRE	Nyamira	5	0	a)A structure with 5 rooms in place,with 5 beds and 5 side lockers b)No staff deployed yet in the facility c)No kitchen and laundry d)No designated staff houses e)Most equipment not available f)Signages not included

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 3	IGENA ITAMBE HEALTH CENTRE	Nyamira	50	0	1. A two storey building with capacity for 50 beds stands in the facility 2. No equipment provided apart from beds 3. No staff deployed yet 4. Support structures like laundry, kitchen, pharmacy not in place 5. The waste disposal system not in place: No sewerage system, washrooms and toilets plus running water 6. Nearer facilities are Kianginda, Tinga and Nyanturago
Cluster 3	NYAMIRA COUNTY REFERRAL HOSPITAL	Nyamira	20	5	a)The facility has the capacity to handle 20 patients in isolation and 5 critical care cases b)Adequate PPE supplier and general supply c)A new isolation unit was under construction with with a capacity of 120 beds d)PCR testing not available,testing done in Kisumu e)Kits and transport media shortage
		Nyamira Total	80	5	
Cluster 3	AMBIRA SUB COUNTY HOSPITAL	Siaya	41	0	a)The isolation ward is a two storey building with 41 beds with mattresses and 4 without mattresses plus 25 bed lockers b)Equipment were inadequate,no ventilators,only one oxygen cylinder,no cardiac monitor and only one Bp machine c)Inadequate staff with only 4 nurses,2 clinical officers,2 public health officers and 2 cleaners d)Isolation unit lacked proper signage e)A 50 bed isolation unit was under construction as at the time of inspection
Cluster 3	BONDO SUB COUNTY HOSPITAL	Siaya	10	0	1. It's a ten bed facility 2. No provision for critical care 3. There's no adequate equipment 4. Staff are adequate for current facility capacity 5. 50 bed capacity facility for COVID-19 under construction 6. Nutritionist and MO not in the team
Cluster 3	SIAYA COUNTY REFERRAL HOSPITAL	Siaya	0	0	a)No isolation/quarantine unit b)No crital care beds for COVID-19 patients c)A 200 bed for COVID-19 patients was under construction d)COVID-19 commodities stored together with other hospital supplies e)Most staff were trained and the trainings were still going on
		Siaya Total	51	0	
Cluster 4	NAIROBI WOMEN'S HOSPITAL,	Kajiado/Nairobi	24	10	1. Nairobi Women's Hospital, Rongai Branch is currently operating as a Full Covid-19 centre. All other patients were transferred to the branches. 2. On the day of assessment, the facility had 34 functional beds; (5 ICU beds, 5 HDU beds and 24 regular beds) and these are located on the 4th and 5th floor of the main building.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
	RONGAI BRANCH				Conversion of the third floor to meet standards for a Covid-19 treatment centre is ongoing and it will accommodate 31 beds. The additional 31 beds are available at the facility. 3. On the day of assessment, there were 16 Covid-19 patients admitted in the hospital. 4. Signage is available but not conspicuously placed. 5. The demarcations between the cold/warm/hot areas were not well defined posing a possibility of contamination. There was no physical barrier around the lift area which is serving as the distribution point. 6. Equipment in the isolation unit is adequate and functional. 7. Facility has piped oxygen and 25 oxygen cylinders. 8. IPC and WASH measures were in place. 9. Human resource for Health is adequate. In addition, the institution has a pool of nurses they can engage in case they have more patients. 10. Case management protocols are available in hard and soft copy and are accessible to all staff. 11. Capacity building has been done to all staff 12. Patient information system is in place. 13. The facility has a cold room with a capacity of 2 bodies after which bodies are transferred to the branch at the Adams Arcade. 14. The institution has a laboratory but they are not carrying out Covid-19 tests since they lack test kits. The samples collected at the facility are taken to Nairobi West Hospital for analysis. Previously, KEMRI was collecting the samples and relaying back the tests. However, this arrangement ceased on 24th July 2020. 15. The institution gets its water supply from the Adams Arcade branch using water bowsers after which its stored in water tanks. 16. The institution has a bio-digester and a septic tank. 17. The institution has designated one ambulance for Covid-19 patients. 18. The management has also designated one ambulance for health workers caring for Covid-19 confirmed/suspected cases. 19. The health care workers providing services for Covid-19 patients in isolation centre are being accommodated at Nairobi Women's Medical Training college.
		Kajiado/Nairobi Total	24	10	
Cluster 4	AGA KHAN UNIVERSITY HOSPITAL, NAIROBI	Nairobi	100	11	1. The hospital has 56 isolation beds in the main hospital and 44 beds in the field hospital, making a total of 100 beds. 2. The ICU has 11 beds and is being used for management of Covid-19 patients. 3. On the day of assessment, there were 60 Covid-19 patients admitted in the hospital (11 in ICU, 3 in HDU and 46 in regular care). 4. The isolation beds are distributed in 4 main areas; ICU, former children's ward, Princess Zahra

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					pavilion and the field hospital. 5. The field hospital was created following refurbishment of the Community Hall that is within the hospital compound, next to main parking. The field hospital is operational and on the day of visit, there were 4 patients. Bathroom facilities are improvised 6. Currently, the management is refurbishing another carpark which is next to the field hospital. It is projected to have a capacity of 100 beds. 7. Infrastructure and equipment in the isolation units housed in the main hospital is adequate. 8. All patients being admitted in the hospital are usually tested for Covid-19 and are treated as suspected cases until results are out. The tests are conducted in the hospital and results are out in 24 hours. 9. IPC and WASH measures were in place. 10. Human resource for Health is adequate. In addition, the institution has a pool of specialist physicians and infectious disease specialists. 11. Case management protocols are available and accessible to all staff and capacity building has been done to all staff with regular updates. 12. The institution usually outsources ambulance services for Covid-19 patients from Kenya Red Cross. 13. There is no designated means of transportation for health workers caring for Covid-19 confirmed/suspected cases. 14. The institution has not identified/designated a residence for health care workers providing services for Covid-19 patients in isolation and treatment centres. 15. They have only one door serving as entry and exit in the former Children's ward.
Cluster 4	AVENUE HOSPITAL	Nairobi	15	7	1. The institution converted a HDU into a Covid-19 isolation unit. On the day assessment, there were 12 COvid-19 patients admitted. 2. Signage had been done but it was not conspicuous (some have faded). 3. Exit and entry points were clearly demarcated. However, the donning area is outside the isolation ward and is doubling up as an office. The flow at the doffing/disinfection area is not appropriate for an isolation ward. 4. The isolation unit has 15 beds (2 ICU beds, 3 HDU beds and 10 regular beds). 5. The facility has no capacity to do Covid-19 tests and specimens are taken to Aga Khan Hospital/Lancet laboratories. 6. The equipment for an isolation unit is adequate. 7. IPC and WASH measures were adequate. In addition, the facility has outsourced services for waste disposal. 8. Human Resource for Health are adequate with exception of a nutritionist. 9. Case management protocols were available in soft copy. 10. Support structures – there in no ambulance dedicate for Covid-19 patients, no accommodation for

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					staff. 11. The mortuary has a capacity of 10 bodies. 12. Facility effluent is not pre-treated before discharge to the main sewer.
Cluster 4	BAHATI HEALTH CENTER	Nairobi	0	0	1. The proposed COVID 19 isolation center for asymptomatic patients is currently a pediatric facility not in use. The structure is complete however it is not equipped. 2. The facility has 5 big cubicles that are well ventilated. Each cubicle has a capacity to hold 4 beds at a distance of 2 meters apart. The available beds space is 24. Currently the health facility has 10 beds and mattresses that can be used. 3. There are 2 toilets and 1 bathroom for clients and 1 toilet for the staff. 4. There are other adjacent rooms in the block that can be used as a nursing station and procedure room. 5. Sluice room is available. 6. The access to the block is through the main entrance of the health centre. 7. There is limited open grounds between the block and the perimeter wall. 8. The corridor inside the building is wide enough (about 1.5 metres-wide). 9. The water supply is inadequate. Currently there is a reservoir tank of 10,000 litres 10. Electricity is available, however there is no standby generator. 11. There is no incinerator. 12. The facility is currently served by the sub county public health team which is called upon to do disinfection
Cluster 4	Dagoretti High School- QUARANTINE	Nairobi	335 Quarantine	0	1. The School has a perimeter wall with one main entrance and exit. 2. One block called the construction block has 3 floors which can accommodate 204 beds with adequate sanitary facilities. 3. The lower dorms consists of 5 blocks and can accommodate 131 beds. 4. Donning and doffing areas can be setup outside the construction block. 5. There's adequate water supply and a borehole available. 6. Electricity and a backup generator is available 7. The students left behind their belongings which are yet to be removed or relocated. 8. The dorms were in a state of disrepair, they need repairs and painting.
Cluster 4	HIGHWAY SECONDARY SCHOOL- QUARANTINE	Nairobi	135 Quarantine	0	1. This is a newly proposed quarantine facility with a capacity of 135beds at 1.5 meters spacing (of note the dormitories are very congested and some beds will need to be removed) 2. Bathrooms and toilets are in a very poor state and are in dire need of repairs before use 3. Inadequate hand washing stations 4. Inadequate water supply due to rationing and no borehole 5. No Human Resource deployed to the facility, it will require both clinical and support staff 6. No laundry services available

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					7. No waste bins and waste management and disposal measures in place 8. There is a functional kitchen available
Cluster 4	KASARANI HEALTH CENTER	Nairobi	0	0	1. The catchment population is 54,000. 2. The facility has no title deed to indicate the acreage and boundaries of the institutional land. 3. Its a level 2 facility but it has no inpatient facilities. 4. It has an open field of about 2 acres which was assessed by Nairobi Metropolitan Services in June 2020. The team which was accompanied by a contractor recommended construction of a 200-bed field hospital. 5. The facility is not fenced. 6. The facility compound also has Kasarani and Clay City ward administration offices, Sub- County inspectorate and Sub-county Education offices and sub-county liquor licencing offices. 7. There`s no equipment for Covid-19 case management including oxygen cylinders/ concentrators.   8. The infrastructure consists of two main blocks: Block 1 has 7 rooms and block 2 has 4 rooms which are used for outpatient services.   9. The human resource for health comprises of 3 RCO`s,10 nurses, 3 lab technologies, 1 nutritionist, 1 occupational therapist, 1 PHO, 2 clerks and 4 cleaners. 10. The laboratory is one room which is able to carry out basic tests. 11. The facility has no ambulance. 12. Only one staff(IP nurse) has been trained on covid-19, the rest sensitized. 13. No kitchen, no laundry no accommodation, no transport for staff. 14. Water supply is erratic.
Cluster 4	KENYA WATER INSTITUTE- QUARANTINE	Nairobi	54 Quarantine	0	FINDINGS: 1. This is a facility that is currently being used as a quarantine facility with minimal uptake. At the time of inspection there was only one client. 2. It has hostels with a capacity of 252 beds but only 54beds are available as the rest are locked and still have student items within them. 3. The rooms are well lit and ventilated 4. Donning and doffing areas have been identified, patient and staff flow have been charted factoring clear separation of clean and dirty areas. 5. There is adequate water supply through Nairobi Water and a borehole. 6. No provision in place for disposal and management of medical and sanitary waste. 7. Functional kitchen and dining area 8. Functional laundry with staff available when needed.
Cluster 4	KENYATTA NATIONAL HOSPITAL	Nairobi	134	7	1. KNH has 5 different isolation units: i)Mbagathi IDU with a capacity of 70 beds. ii)IDU critical care unit with a capacity of 7 beds iii)Day care centre a 32 bed capacity unit dedicated to healthcare workers iv)Ward 42 with a capacity of 26 beds v)clinic 66 with a capacity of 5 beds. Total capacity

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					134 regular beds 7 ICU beds. 2. The green and red areas as well as the entry and exit points for each of the isolation units are clearly labelled and well demarcated. 3. There are provisions for expansion of isolation units if and when need arises by 196 regular beds and 15 critical care beds. 4. The isolation units are fully equipped, it has designated chest x ray, ultra sound and 2 dialysis machines. There is also a dedicated theatre for COVID positive patients. 5. The isolation units have sufficient staff members who are well trained and motivated. The facility has also instituted measures such as psychosocial support and time off to prevent burnout.
Cluster 4	KENYATTA UNIVERSITY TEACHING & REFERRAL HOSPITAL	Nairobi	476	24	1. The catchment population for the facility is nation-wide patients but higher number is from the neighbouring community. 2. The main Hospital has a bed capacity of 550. 3. The bed capacity for the Isolation unit is 476. However, the management has designated 20 beds for staff who may be infected with Covid-19. 4. ICU Bed capacity is 24 beds. 5. KUTRRH have an IDU (Infectious Diseases Unit) that can hold 60 beds but it is not yet equipped. The Signage, demarcation and zoning is at 95% through. 6. The Research and Innovation centre has 6 blocks (towers) each with 4 floors. The management has allocated 2 blocks for Covid 19 Management and its projected to have 300 beds. 7. KUTRRH has both designated Entry and Exit Points for Covid 19 patients and general cases. 8. There is an Oxygen plant that is piped to all clinical areas and is able to refill to other facilities within and away from its vicinity. 9. In terms of personnel KUTRRH has 1 Doctor to 20 patients, 1 nurse 15 to patients (nurses work for 2 shifts of 12 hrs) whereas in ICU its 1 nurse to 1 patient. 10. The isolation unit has adequate equipment. 11. The institution has an Ambulance for Covid-19 patients as well as a utility vehicle to transport their own staff. Residential housing for staff working at the Isolation unit is also available within the hospital compound. 12. There were 21 Cuban Doctors on quarantine awaiting deployment. 13. The was no Sluice room at the dirty section of IDU. 14. The waste segregation system is good. However, the incinerators capacity is overwhelmed by the amount of waste generated on a daily basis. 15. The Hospital effluent is not pre-treated before discharging to the main sewer line. 16. They have a state-of-the-art Funeral Home. 17. There is a stalled paediatric hospital with a capacity of 300 beds.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 4	KIBERA SOUTH HEALTH CENTRE	Nairobi	11	0	1. The health center is strategically in densely populated area with a catchment population of 38,000 2. The facility is busy and has i. 1400 outpatient attendance per monthn ii. 150 deliveries per month iii. 6500 HIV patients on follow up through comprehensive care clinics iv. 700 ANC mothers and 600 women on family planning v. 600 children under immunization program 3. The facility neighbors two other facilities at average of 2.5 km radius. 4. Facility has a 5 beds (which can be increased to 100) for isolation of suspected COVID 19 cases with no health worker deployed/designated for the unit. The designated Isolation rooms does not meet the recommended requirements for infectious disease. 5. There are 25 nurses ,2 Medical officers,2RCOS, 1HRIO ,1 pharmacist,1 pharmtech and a social worker 1. All cleaners, security guards, IT staff ,4 nurses ,30 councilors, 1pharm techs, 2lab techs are Amref employees 2. No adequate supplies, the facility buys their supplies with eratic supplementation from KEMSA. No PPEs are available at the time of inspection, disinfectant, non-pharmaceuticals, etc.) 3. The facility only have donations from MSF of Surgical masks, N95, and 50 face shields which have been distributed to staff 4. Due to the location of the facility there is no designated Entry and Exit to the designated isolation 5. The facility have one unregistered vehicle donated by MSF BELGIUM for use as a ambulance but has remained unused for three years due to lack of GK registration numbers. 6. There is no ambulance or transport designated for COVID 19cases 7. There are case management protocols/guidelines in place 8. The hospital is not a designated COVID19 testing or isolation center. 9. Only one clinical officer has been trained on covid 19 for 1 day, but sensitization has been done to all staff 10. Oxygen supply is through cylinders. 11. There is kitchen adequate for the level of care of the facility 12. There is no incinerator in the facility but a burning chamber exist 13. There is an incomplete theatre infrastructure. There is 1 theatre bed and a functional anesthetic machine 14. One ultra sound machine available, not in use due to lack of a sonographer 15. Storage facility for both linen, Non-pharms and pharmaceuticals are available 16. No designated accommodation nor transport for staff deployed temporarily at the isolation unit

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					18. There are observation room which have no lights 19. There is a functional laundry department with 2 domestic washing machines 20. There are 8 washrooms for the patients and two for staff with two bathrooms for staff too 21. There is no mortuary,but a cold room for holding dead new borns is available
Cluster 4	MAMA LUCY KIBAKI HOSPITAL	Nairobi	0	0	1. Hospital is strategic with large catchment population 2. The facility has 4 -bed holding tent for isolation of confirmed COVID19 cases with 4 Nurses and 4 RCO deployed in 3. No adequate supplies (masks,ppes,disinfectant, non pharmaceuticals, etc) 4. There are no HRH designated for the new constructed facility in readiness for operations 5. A newly constructed 72 bed facility is available, with recommended amenities, i.e Water and electricity 6. The new facility has no equipment, piped oxygen and does not have some of the recommended requirements for infectious disease requirements 7.The hospital is not a designated covid 19 testing site 8. There is a perimeter wall around the Unit but not secure 9. No designated transport for COVID19 patients 10. No designated accommodation for staff working at the isolation unit
Cluster 4	MATER HOSPITAL	Nairobi	18	2	1. The hospital has an Isolation unit with a bed capacity of 22 general beds and 2 ICU beds. The facility is well prepared to receive patients and has been in operation for the last 2 weeks. The management intends to increase the ICU bed capacity to 8 by the end of this year. 2. There is a clear entry and exit to the unit and well separated red and green areas. However the entry signage is not well labeled 3. There is a well-organized area for staff operations including resting rooms, medication rooms, and storage for non-pharms and linen, procedure rooms as well washrooms. 4. There is a dedicated theatre for COVID patients 5. The operations within the unit are all monitored at one point using cameras 6. There is no dedicated dialysis machine 7. There is no room for pediatric covid patients 8. Good synergy between the hospital and the sub county team 9. The facility has a laboratory but are currently sending their samples to lancet for testing 10. Other measures of screening and restriction of entry into the isolation unit has been enhanced.
Cluster 4	MBAGATHI DISTRICT HOSPITAL	Nairobi	17	0	1. The 17 bed capacity isolation which came into existence was the former eye clinic of Mbagathi District Hospital (MDH). The 220 capacity bed hospital has a Renal Unit among other departments. At the time of the visit there were 16 patients (4 male & 5 female suspects and 7 males confirmed) 2. All staff working in the unit have undergone COVID-19 related training 3. No clear external signage and demarcation including green and red zones. A pathway with a barricade tape from the main gate was observed. However the layout is adequate.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					4. The available beds meet the standards 5. The available 9 oxygen cylinders are inadequate 6. Laboratory services for collection of specimens are inadequate due to inadequate viral transport media. 7. There is a functional incinerator in the hospital for waste disposal 8. There is adequate full PPE 9. The hospital has no ICU necessitating referral for severely sick patients to the Kenyatta National Hospital. 10. There is shortage of staff i.e. 3 nurses who operate 12hrly (ratio 1: 6) and 1 medical officer covering all shifts (ratio 1:17) 11. There are 2 consultants (physician & infectious disease specialist) who do ward rounds 12. There is sharing of services like kitchen, laundry, dialysis, radiology from the main hospital 13. The health workers are not provided with transport nor residence. 14. There is no isolation designated for the staff who test COVID-19 positive 15. The staff says that they don't feel the presence of the NMS, therefore demotivated
Cluster 4	MOI GIRLS HIGH SCHOOL NAIROBI-QUARANTINE	Nairobi	368 Quarantine	0	1. The facility has a 368 bed capacity, beddings are available however mackintosh required for the mattress 2. Doning and doffing areas clearly marked 3. There is a medical team that is on site that has been deployed by NMS 4. Clean and dirty areas well demarcated 5. Laundry and kitchen services available as well as support staff 6. There is separation of male and female hostels 7. Hand washing sites are adequate 8. There is security present but additional support may be required 9. In terms of waste disposal & management there are red lined bins but they are not pedal bins 10. Staff are well motivated and trained, are prepared to receive patients
Cluster 4	MP SHAH	Nairobi	24	6	1. Functional 30 bed capacity isolation unit (24 regular beds, 6 ICU beds) that is fully equipped and well staffed. 2. The hospital also has an 8 bed capacity quarantine ward where clients are kept for up to 72 hours as they await COVID results. 3. There was no legible signage depicting the wards as isolation wards. 4.The isolation wards are within the main hospital occupying 3 floors. The entry and exit points to these wards are not dedicated to COVID patients. It was also noted that there was no separate entry or exit points into the wards for the staff and patients, this leads to a temporary contamination of the green area. The mechanism in place is that a disinfection teal follows the patient path and disinfects before others can use the path. 5. There are clear SOPs adopted from WHO and tailored to the facility that are easily accessible by all

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					members of staff. 6. There is a 30 bed capacity residence situated across the hospital that is dedicated to members of staff. 7.The hospital does not have a designated COVID 19 ambulance and has to rely on sub county ambulances. 8. The staff appeared knowledgable and motivated.
Cluster 4	MUTUINI DISTRICT HOSPITAL	Nairobi	0	0	1. Hospital is strategic and has a large catchment population serving both Nairobi and Kiambu County residents 2. Facility has a 2 bed tent for isolation of suspected COVID 19 cases with no health worker deployed. The tent does not meet the recommended requirements for infectious disease. 3. No adequate supplies (only 3 set of PPEs available at the time of inspection, disinfectant, non-pharmaceuticals, etc.) 4. There's adequate space for expansion (5 Acres) or construction of a 150 field hospital to hold confirmed cases of COVID 19. 5. 94 million has been allocated for construction of a complex. 6. No Public Health Officer is deployed to the hospital 7. There is no designated Entry and Exit points at the isolation center/tent. 8. Only one vehicle used as an ambulance and no designated transport for COVID 19 cases or vehicle for health workers 9. No case management protocols or guidelines 10. The hospital is not designated as COVID19 testing or isolation center. 11. Only one nurse and one clinical officer have been designated for COVID 19 12. No IPC team or committee in place 13. There's no oxygen plant, but oxygen cylinders available. 14. The existing kitchen has small capacity
Cluster 4	NAIROBI EAST HOSPITAL	Nairobi	5	0	1. The proposed isolation unit of Nairobi East Hospital is on the 2nd floor of a 5-storey building. The hospital occupies ground floor to 2nd floor while 3rd to 5h floor has residential tenants. 2. On the day of assessment, the unit had not begun admitting Covid-19 patients. However, all other inpatient and outpatient services were going on. 3. The layout of the unit is not ideal for Covid management e.g. donning and doffing areas have not been created; signage, zoning and demarcation had not been done. 4. The unit has a capacity of 5 beds (4 – regular beds and 1 ICU bed) 5. Access to the units can only be through the stairs or lift. However, this will pose a challenge because the lift does not open directly to the isolation unit. In addition, if Covid-19 patients use the stairs, there will be direct interaction with staff and patients. 6. There is no provision for sluice room and washrooms for staff. 7. The unit has piped oxygen.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					8. The unit intends to utilize laundry and kitchen services for the main hospital 9. Equipment earmarked for the isolation unit is adequate and functional. 10. Case management protocols are available in soft copy. 11. Handwashing facilities were inadequate 12. Human resource for Health are not adequate. 13. Sensitization on Covid-19 has been done to all staff. 14. Mechanism for allocating unique identification numbers is not in place. 15. The facility has no cold room and bodies are usually transported to Chiromo Mortuary. 16. The institution has a laboratory but they are not carrying out Covid-19 tests. The samples collected at the facility are taken to Lancet laboratories. 17. Ambulance services are outsourced. 18. Hospital effluent is discharged directly to the main sewer line before pre-treatment. 19. There is no designated transport for health workers who will be caring for Covid-19 confirmed/suspected cases. In addition, the management has not identified residence for staff who will be working at the Covid-19 isolation unit.
Cluster 4	NAIROBI SOUTH HOSPITAL	Nairobi	24	3	1. A 24-bed private facility with 3 ICU beds and 21 regular beds. It is fully equipped with provision for a designated clinical and support staff team that is already trained. 2. The facility is in the last stages of completion of works an is expected to be fully functional in 3 working days. 3. The facility has secured a hotel (Samra hotel) which has a capacity of 20 beds that they are currently using as a quarantine facility. It currently has 4 occupants. It operates at a cost of 10,000 shillings a day on a full board basis. 4. It is a 2 storied facility with clear entry and exit for both staff and patients. There are clearly demarcated red and green zones. 5. Donning and Doffing areas in the upper floor need to be properly separated to ensure safety of the health worker 6. The facility has set SOPs on case management, referral of patients, nursing documentation protocols and IPC protocols that were made available to the inspection team 7. The facility has provisions for a laboratory and have already procured testing kits however they ate awaiting inspection so as to be given an operating license.
Cluster 4	NAIROBI SOUTH PLAINSVIEW HEALTH CENTER	Nairobi	0	0	1. The proposed COVID 19 isolation center for asymptomatic patients is currently an incomplete facility not in use. The structure was initially to be used as a maternity unit and has a capacity of 35 beds 2. The proposed isolation block is accessed through the main health center and there is no barrier between it and the dispensary. 3. The facility has 2 floors, ground floor has provisions for 15 beds and can be used as a female isolation while the upper floor has 20 beds and can be used as the male isolation ward. There are

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					adequate bathrooms, toilets and hand washing stations. 4. There is an incomplete ramp to the first floor. 5. Currently no provisions have been made for human or financial resource for the proposed facility. 6. There is adequate ventilation in all the cubicles. 7. There is penetrating dampness on the first floor due to incomplete construction. 8. The building is not connected to electricity due to issues with the installed meter and no backup power is available 9. There is no piped water from Nairobi water and currently the storage capacity is only 10,000l 10. There is limited open grounds between the block and the perimeter wall. 11. The corridor inside the building is wide enough (about 1.5 metres-wide) making it fit for social distancing 12. There is no incinerator. 13. The facility is currently served by the sub county public health team which is called upon to do disinfection
Cluster 4	NAIROBI WEST HOSPITAL	Nairobi	24	0	1. The hospital has an Infectious Diseases unit(IDU) which is 30 meters from the main hospital and has a capacity of 24 beds. 2. At the main gate, there is one entry/exit but inside the IDU, the entry and exit are separated. 3. There are 3 blocks, each with a capacity of 8 beds. Renovation works were ongoing in some sections of the unit. 4. The proposed recreation place has inadequate ventilation. 5. There were 6 suspected cases in the ward awaiting results. 6. The signage/demarcations were not well defined. 7. On the day of the assessment, sample collection was underway within the compound. The management informed that this service will be relocated to another site by the end of the week. 8. Currently there is no ICU. However, renovation of a building was ongoing and its projected to have 8 ICU beds and will be completed in 7 days. 9. Facility has oxygen cylinders, currently working on piping to the IDU and ICU. 10. The health care waste had piled in the waste holding area. 11. The facility is conducting Covid-19 tests. 12. IPC and WASH measures were in place. 13. Human resource for Health is adequate. 14. Space allocated for the laundry is small 15. Case management protocols are available in hard and soft copy with regular updates. 16. Capacity building has been done to all staff including benchmarking with Kenyatta University Teaching and referral hospital. 17. There is designated means of transportation for health workers caring for Covid-19 confirmed/suspected cases but only drops them in town (CBD).

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					18. The institution has not identified/designated a residence for health care workers providing services for Covid-19 patients in isolation and treatment centres.
Cluster 4	Precious Blood Riruta-QUARANTINE	Nairobi	260 Quarantine	0	1. The School has a perimeter wall with one main entrance and exit. 2. The school has 5 blocks for dormitories, 3 are used as houses for the sisters. 3. The 2 blocks can accommodate a maximum of 260 beds. 4. Donning and doffing areas need to be setup. 5. There's adequate water supply and a storage capacity of 54,000 litres. 6. Electricity and a backup generator is available 7. The students left behind their belongings which are yet to be removed or relocated. 8. Laundry and kitchen areas are available
Cluster 4	PUMWANI NURSING SCHOOL	Nairobi	0	0	Bed capacity of 90 1. The Pumwani School of Nursing & Midwifery is part of the main PMH. The student hostel block is a proposed isolation site for health care workers in Nairobi county. The hostels are currently not in use since the college closed down in March, 2020 following the outbreak of Covid-19. Currently the proposed opening of the school is January 2021. 2. Through Nairobi Metropolitan services a budget of the funds required to make the facility a functioning isolation was approved and procurement of equipment is in progress. 3. The facility is a three storied one block building that has got three wings each. On each floor, wing A has got 10 single cubicles, wing B has got 8 single cubicles and wing C has got 8 single cubicles. All the rooms have beds, a table and a hand washing sink, in addition, some of the rooms have got two beds. There are a few rooms that have been converted into stores for the student's items. However, the available beds are 90 with mattresses (covered with mackintosh). 4. The hostels are located on the same compound with the main hospital and staff quarters and can only be accessed from the main and exit gates of the hospital. 5. Infrastructure is present however there is a lack of resources (financial and human) The hospital does not have the capacity to staff the isolation centre. 6. The first floor has got emergency exit doors on both sides. 7. There is adequate ventilation in all the rooms. 8. Each wing is served with two toilets and two bathrooms. 9. The hostel has got a TV room on the first floor which can be availed for use. 10. The hostels are accessed through the main and exit entrance of the hospital. 11. There is a small open ground beside the hostel. 12. The hostel is surrounded by staff quarters which are in close proximity. 13. Inside the hostels, the corridors are narrow (about 1-metre-wide) which makes it difficult for social distancing and therefore poses a challenge of infection control and prevention (IPC). This puts health workers at risk. 14. The water supply is good with a water reservoir tank in place.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					15. Electricity is available. 16. Beside the hostel, there is a skills lab and stores. 17. The hospital has an operational incinerator.
Cluster 4	The Karen Hospital	Nairobi	26	0	These findings are on re-inspection of the facility. of note is that the recommendations made in the previous inspection have been implemented: each patient room has a hand washing sink There is a clear demarcation between the clean and dirty areas(the pharmacy in specific) Male and female staff bathrooms have been separated Signage has been put up Floor has been polished SOPs are available for all members of staff
Cluster 4	THE NAIROBI HOSPITAL (MAIN HOSPITAL)	Nairobi	211	6	1. The Nairobi Hospital has 2 isolation facilities, the main hospital with a capacity of 78 beds 6 being ICU beds and Silver Springs Hotel with a capacity of 140 beds. 2. The green and red areas as well as the entry and exit points for each of the isolation units are clearly labelled and well demarcated. 3. There are provisions for expansion, currently ongoing is the construction of a 150bed isolation facility directly across the hospital. The unit will have 25 ICU beds and 45 HDU beds which can be upgraded to ICU beds. The facility is expected to be completed on 27/8/2020. Currently the hospital is in the procurement stages of equipment required and may require support so as to facilitate timely acquisition 4. The isolation units are fully equipped, it has piped oxygen supply and centralized suction system for the main hospital. There is also a designated dialysis machine and a hospital ambulance for COVID 19 patients. 5. The isolation units have sufficient staff members who are well trained and motivated. The facility has also instituted measures such as psychosocial support to prevent burnout. 6. The facility has provisions for housing of members of staff, it can accommodate up to 100 people.
Cluster 4	UPPERHILL SECONDARY SCHOOL - QUARANTINE	Nairobi	400 Quarantine	0	1. Upper Hill School is a boy's school that has been proposed to be an isolation facility. It has a capacity of 400 beds at a spacing of 2 meters and has adequate beddings for the beds however the mattresses lack a mackintosh. 2. At the time of inspection there was construction of the school perimeter wall and classrooms taking place. 3. There is electricity from Kenya power and a backup generator. 4. There is adequate water supply sources being Nairobi Water and a borehole. The facility has a storage capacity of 80,000 litres. 5. There is a kitchen and dining area and staff are available when requested. 6. The facility has 2 entrances which makes good opportunity for different staff and patient entry. 7. There are 46 toilets and bathrooms for clients but they are situated outside the hostel. 8. Though there is a clinic present at the school it is privately ran.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					9. The staff room was identified as an area that can be the operation center for the clinical team 10. Currently there is no plan for waste disposal and management. Pedal bins and bin liners will be required. 11. Security is inadequate especially since part of the fence is still incomplete
		Nairobi Total	1085	66	
Cluster 5	GATUNDU LEVEL 5 HOSPITAL	Kiambu	52	0	- Inadequate staff, one nurse per shift - 40 patients - The isolation facility does not have critical care beds. - The ward is not well demarcated with barriers - The ward is a bit congested
Cluster 5	KIAMBU COUNTY COVID-19 CENTRE TIGONI	Kiambu	65	12	- The whole facility purely for Covid 19. - Has a capacity to be expanded to more numbers. - Staff very motivated and informed - New prefabricated facility underway through partnership
Cluster 5	KIAMBU LEVEL 5 HOSPITAL	Kiambu	8	0	- No SOPs on some areas - Patient identification is not properly done, no unique number
Cluster 5	THIKA LEVEL 5 HOSPITAL	Kiambu	35	0	- No dedicated staff for isolation center, all staff from the main hospital work in isolation & quarantine ward in shifts - Results for Covid 19 tests are taking long - Ward in charge very motivated and well informed. - No signage for isolation ward
		Kiambu Total	160	12	
Cluster 5	BARICHO HOSPITAL LEVEL 3	Kirinyaga	0	0	- The hospital has identified a ward for isolation purposes which is appropriate but has not yet been equipped. - The Proposed isolation has no signage - No staff designated for the isolation ward - The health centre has only 2 oxygen cylinders
Cluster 5	KIANYAGA HOSPITAL LEVEL 4	Kirinyaga	0	0	- The facility does not have an isolation ward. - The building proposed to be an isolation ward is incomplete. - They have a holding area which is not appropriate - No staff in the facility is trained on Covid 19. - No designated staff for isolation ward. - The hospital has 2 oxygen concentrators and 5 oxygen cylinders
Cluster 5	KIMBIMBI HOSPITAL LEVEL 4	Kirinyaga	0	0	- Incomplete maternity unit being converted to an isolation ward. - Infrastructure not ideal for an isolation unit, no entry & exit, no donning and doffing areas - No health workers designated for the isolation unit.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					- Lacks electricity water, sewerage at the isolation - Isolation unit not equipped - MDPC located next to the isolation ward - Incinerator broken down
Cluster 5	SAGANA HOSPITAL LEVEL 4	Kirinyaga	0	0	- The facility has identified a 20 bed capacity building which is incomplete and not yet handed to the hospital by the contractor. - Only Six(6) members of staff in the hospital are trained on Covid 19 - No staff designated for the proposed isolation ward - The facility has only 5 sets of PPEs
		Kirinyaga Total	0	0	
Cluster 5	AIC GITHUMU MISSION HOSPITAL	Murang'a	8	0	1. Facility is a holding area for suspected cases; facility planning to set up isolation fully in future. 2. Facility works hand in hand with the county, sub-county, in terms of supplies, advise, sample collection,fumigation etc 3. No specific personnel designated to the holding area.
Cluster 5	Giachanjiru Mission Hospital	Murang'a	16	0	Final infrastructure set-up ongoing, on-going staff sensitization, inadequate staffing & need for training from SCHMT
Cluster 5	GITHUMU MISSION HOSPITAL	Murang'a	9	0	The facility does not meet standards for the isolation unit, it only has a holding room, good IPC training from the SCMT, lacks financial capacity to restructure towards the isolation unit unless funded by the government
Cluster 5	KAHARO HEALTH CENTRE	Murang'a	18	0	The entire facility is converted to a COVID-19 isolation unit & other services moved to the chief's office nearby, well prepared but needs to work on signage & barriers. No scrubs for the HCW, stigmatization from the locals,
Cluster 5	KANGEMA SUB COUNTY HOSPITAL	Murang'a	9	0	The facility offers essential services of maternity and does not meet requirements for an isolation centre as its already burdened
Cluster 5	KENNETH MATIBA EYE AND DENTAL HOSPITAL	Murang'a	4	0	The room is small and conjested No washrooms No separate rooms for male and female
Cluster 5	KENOL PRIVATE HOSPITAL	Murang'a	6	0	The isolation unit does not meet the set standards for COVID-19 cases, no renal unit, missing most equipment, the IPC is wanting in all areas, no barriers, no signage, no isolation, staffing challenge, no documented SOPs on all protocols
Cluster 5	KIRIANI MISSION HOSPITAL	Murang'a	6	1	Infrastructure set-up ongoing, no signage, barriers, demarcation, lack of PPEs

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 5	KMTC MURANGA	Murang'a	50 Quarantine	0	- The facility lacks clear donning and doffing areas as well as signage. - The facility is being used as a quarantine centre - It lacks most of the equipments required for isolation/quarantine centre. - The are no SOPs /Job aids on receiving of patients, case management, referral, speciment packaging and discharging patients.
Cluster 5	MURANGA COUNTY REFERRAL HOSPITAL	Murang'a	10	35	Limited laboratory support to cater for test, result delays from KEMRI, the unit is very organized, 35 bed capacity ICU, support FBOs & private facilities, locally manufacture sanitizers
		Murang'a Total	86	36	
Cluster 5	AGRICULTURAL TRAINING CENTRE	Nyandarua	0	0	- Facility earmarked as a Covid 19 staff's residence, has self contained rooms. - Conty also identified lectures rooms to be used as an isolation centre but after assessing they are not ideal for use; lacks ventilation, exit and entry, lacks hand wash areas in the rooms and staff toilets.
Cluster 5	BAMBOO HEALTH CENTRE	Nyandarua	15	0	15 beds ready for admission but the facility has 40 beds - PPEs are absorbent and of poor quality - No incinerator in the hospital, the burning chamber available is not appropriate. - Long turn around time for sample collection, shipment and results - Only one functional oxygen cylinder available. - No water in the red zone - Other services still on going in the facility - Confirmed patients and quarantine patients are in one facility
Cluster 5	ENGINEER COUNTY HOSPITAL	Nyandarua	66	0	- There are a lot of people around isolation unit - isolation unit not fenced - There is a maternity unit assigned as a quarantine centre with a bed capacity of 60 - 6 big cylinder available for oxygen supply.
Cluster 5	JM REFERRAL HOSPITAL	Nyandarua	0	0	- The facility is under renovation, will be ready in a weeks time. - The proposed number of beds is 35 and 10 ICU beds
Cluster 5	NGANO HEALTH CENTRE	Nyandarua	0	0	- The facility is under renovation, to be completed in 2 weeks time. - Has 75 beds with mackintosh but no bed sheets and cellulose blankets. - No staff deployed in the isolation facility as yet.
Cluster 5	NORTH KINANGOP CATHOLIC HOSPITAL	Nyandarua	33	2	The isolation facility is well set with 33 regular bed, 4 critical beds, 2 ICU beds, oxygen plant, donning & doffing areas are well set too as well as disinfection area. Enough staff set aside for the unit all cadres There is also housing for the staff & no interacting with the other staff protocols in place Well set barriers & zoning areas too(entry & exit points separated for patients & staff)

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
		Nyandarua Total	114	2	
Cluster 5	KMTC Nyeri	Nyeri	70 Quarantine	0	The unit only handles asymptomatic patients, no equipment set-up, staff shortage in all cadres, lacks sanitation & hygiene infrastructure,
Cluster 5	KNH OTHAYA	Nyeri	48	0	Facility meets the minimum set standard for isolation tough have no ICU, average staffing, 6 HDUs
Cluster 5	MT KENYA HOSPITAL HOSPITAL	Nyeri	10	0	- The facility does not have clear signage - Lacks well demarcated entry and exit, donning and doffing areas - The available ventilator is not functional - Other patients are treated within the hospital compound - The facility has 30 beds but only 10 beds were ready for admitting Covid 19 patients at the time of inspection. - Inadequate number of staff in the facility
Cluster 5	MUKURWEINI LEVEL 4	Nyeri	130	0	Staff shortage, limited infrastructure, no SOPs, the entire unit is a plan not yet ready, no zoning, no barriers & no demarcation
		Nyeri Total	188	0	
Cluster 6	EMBU REFERRAL HOSPITAL	Embu	102	14	1. Testing results takes so long (almost three weeks) 2. Tests done at private facilities are not reported to the authorities . 3. Body bags are not available at the moment. 4. N95 with breathers are depleted. 5. No proper signage for isolation wards
Cluster 6	GATEGI HEALTH CENTRE	Embu	9	0	1. Good and committed team 2. Hand washing points available 3. Well spread bed in the wards 4. No signage in place 5. No demarcation in the wards to prevent cross infection
Cluster 6	ISHIARA HOSPITAL	Embu	7	0	1. Lack of good quarantine centre for staff. 2. Equipments are not enough e.g suction machines, BP machines, drip stands and beds. 3. Inadequate staff 4. Turn around time for COVID 19 results take long. 5. The facility does not have an incinerator and relies on Embu level 5.
Cluster 6	KARURUMO RURAL HEALTH TRAINING CENTRE	Embu	20	0	1. There are no any signage on the isolation unit 2. No hand washing basin provided 3. No demarcation of the isolation ward 4. No electricity back up

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 6	KIRITIRI HOSPITAL	Embu	15	0	1.They dont have a mortuary.bodies are transported to Embu level V. 2.proper signage missing in and out of the facility 3.oxygen is supplied through cylinders 4.bed partitions missing in all wards 5.addition of more rooms for patients and patients necessary 6.lacks SOPS on how to handle covid suspected patients 7.staff shortage esp.medical officers and pharmacists
Cluster 6	MBEERE SIAKAGO LEVEL 4	Embu	18	0	1.There is an isolation ward new wing under construction with estimated bed capacity of 40 2.They have a covid isolation ward that is only for females.males are to be referred out until new ward is completed. 3.oxygen is supplied via cylinder 4.lab personnel don't have adequate supplies for sample collection.
Cluster 6	RUNYENJES LEVEL 4 HOSPITAL	Embu	36	0	1.Test results turn around time take longer 2.no signage 3.no demarcation of the ward 4.staff shortage
		Embu Total	207	14	
Cluster 6	Maua Methodist Hospital	Meru	30	0	Very spacious Isolation ward that is well lit and potential to have more beds installed. Isolation ward has a well designated entry and exit where patients dont get into contact with each other. Screening at the main gate by medical officers. Covid19 technical team meets twice weekly. Struggling to restock PPEs. Need more beds. Challenge of turnover of staff after investing in their training. They do not have Covid19 Patient currently.
Cluster 6	MERU TEACHING AND REFERRAL HOSPITAL	Meru	52	0	They have a total of 112 beds as a county (52 at MeTRH, 24 Nyambene and 36 Maua Methodist), Very Supportive County Executive, They have ICU and New Renal units both about 90% complete, Oxygen plant that supports the hospital and will support the ICU, Screening for everyone entering the hospital at the gate, They have minimum stock levels for PPEs that trigger for resupplies, The Isolation ward is well demarcated and signage is done well, Laboratory has potential to offer Covid19 testing if they can acquire a PCR machine, The County has budgeted for Covid19 in the current budget in addition to funds from National Government.
Cluster 6	Nyambene Sub-County Hospital	Meru	24	0	Hospital serves 3 subcounties, Have ove 500 deliveries per month, they have a functional renal unit, Covid 19 isolation facility still being set up, they have screening at the entrance for all people walking into the facility, They have well displayed posters at the hospital gate with information on Covid19, No funding has been provided to them for Covid19 from the County
		Meru Total	106	0	
Cluster 6	CHUKA COUNTY	Tharaka-Nithi	135	0	1. Oxygen plant in place - 70 litres per minute 2. Facility is clean and demarcated from the main hospital

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
	REFERRAL HOSPITAL				3. No signage 4. Donning and doffing area demarcated well 5. Specific ambulance designated for Covid 19 6. Designated means of transport for staff in isolation ward
Cluster 6	KIBUNGA HOSPITAL	Tharaka-Nithi	11	0	1. No donning and doffing area set for Covid-19 Isolation unit 2. The Isolation unit is not demarcated 3. Facility uses oxygen cylinders 4. the facility uses one kitchen and laundry
Cluster 6	KOMAROCK MODERN HOSPITAL	Tharaka-Nithi	15	3	1. The facility is very clean and spacious 2. Isolation ward beds are well demarcated to prevent cross infection. 3. The facility has HDU & ICU beds (3 beds each). 4. The oxygen is available though not piped, the facility has 20 oxygen cylinders
Cluster 6	MAGUTUNI HOSPITAL	Tharaka-Nithi	6	0	No signages and labelling. No demarcation for the isolation centre' No sluice room. Beds are 2 metres apart. County ambulance collect sample.
Cluster 6	MARIMANTI HOSPITAL	Tharaka-Nithi	6	6	1. the facility is clean 2. Beds are spaced properly 3. Donning and doffing are available and clearly labelled . 4. Facility is not demarcated . 5. No laundry at isolation area. 6.No washroom for staff
Cluster 6	Mpukoni Health Centre	Tharaka-Nithi	16	0	1. Their's more space for 16 beds 2. Functional Laundry place 3. the facility is clean & well arranged 4. No signage
Cluster 6	MUTHAMBI HEALTH CENTRE	Tharaka-Nithi	15	0	Isolation ward not complete. Beds available but not put in the ward. Unit lacks donning and doffing area. No signage and labelling. Poor ventilation of the isolation unit. The isolation unit not dermacated.
Cluster 6	PCEA CHOGORIA MISSION HOSPITAL	Tharaka-Nithi	22	6	6 ICU beds in place 4 dialysis beds available private wards set aside for health care workers incase they contract the virus. donning and doffing area available outside the wards

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					staff trained on covid 19. piped oxygen in place No staff designated for the isolation Center since the facility complain that this will cause crises in the hospital's operation. shortage of PPEs
Cluster 6	ST ORSALA MISSION HOSPITAL	Tharaka-Nithi	4	0	1. The rooms are spacious clean & well kept 2. There's proper signage 3. Demarcations not in place 4. No donning & doffing in place 5. One entrance & exist place for both patient and heath worker
		Tharaka-Nithi Total	230	15	
Cluster 7	KAJIADO COUNTY REFERRAL	Kajiado	25	10	1. The centre caters for moderate to severe cases 2. Laboratory results turn around time wanting (Namanga EAC 2-3 days; KEMRI and NIC 4-7 days) 3. The isolation centre has a holding room for childre (0-5 years) who cannot be left behind for a number of reasons. Since inception one child is reported to have seroconverted. 4. Reported cases of poor quality PPEs. (sources of PPES-the county subcontracted agency, KEMRI and partners) 5. There are no barrier shields between the 4 beds in a cubicle
Cluster 7	KITENGELA SUB COUNTY HOSPITAL	Kajiado	10	0	1. Manages confirmed cases with mild symptoms 2. There is a long turn around time for laboratory results especially from KEMRI. 3.Theu unit has Oxygen supply from cylinders- Reported to be adequate. 4. There is no vehicle nor accomodation facilities set aside for staff workingin the isolation unit. 5. There is mistrust between the covid 19 response team and the management of the manufacturing companies within the subcounty. thereare reported cases of selective testing in some companies. 6. Reported cases of poor quality PPEs eidenced by a sample in the med Sup office.
Cluster 7	NG'ATATAEK HEALTH CENTRE	Kajiado	60	0	1. The facility is work in progress as a isolation center for Covid 19. 2. The center has a potential of accommodating 60 beds spaced at 1.5 meters. 3. The facility is not fenced off the general population. 4. Other health services will be shifted to Ilpartimaro and Neontolai dispensaries 5. The local community has some reservations with the use of the facility as an isolation center.
Cluster 7	NGONG SUB COUNTY HOSPITAL	Kajiado	52	0	1. All other health services moved to neighbouring dispensaries 2. Covid 19 train and sensitization reported to be ongoing. However the centre does not keep evidence of trainings/ sensitizations done. 3. There is lack of a designated transport and accomodation services for staff working in the centre. 4. The laundry machine is currently non functional(handwashing of linen). 5. Laboratory results turn around time long. (upto 7 days from KEMRI)

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					6. Poor quality PPEs e.g disinfection fluids leaking through to scrubs. 7. No SoPs/ Job aids in soft copies nor displayed in hard copies
Cluster 7	OLE KASASI HEALTH CENTRE	Kajiado	12	0	1. There is no designated transport nor accommodation facilities for staff working in the isolation center. 2. There are notable delays in receiving laboratory results- Reported to be unpredictable. 3. The isolation center caters for staff working in the health department. 4. Nairobi women Hospital within the sub county is reported to be a covid 19 isolation center with a 38 bed capacity.
		Kajiado Total	159	10	
Cluster 7	IKUTHA SUB COUNTY HOSPITAL	Kitui	12	0	No connection of the facility to water supply No Drainage system for isolation wards No mortuary/cold room within the facility Lack of designated staff at the isolation wards No staff toilets at the isolation ward Need structural change for proper flow of staff
Cluster 7	KATULANI SUB COUNTY HOSPITAL	Kitui	12	0	Procurement of supplies on course Need to establish the leadership teams case management Identification of ground to set up isolation centre No oxygen cylinders No sample collection kits and PPEs
Cluster 7	KAUWI LEVEL 4 HOSPITAL	Kitui	30	0	No buffer stock of supplies All patients are asymptomatic Bed capacity 6%-23% occupancy Adequate staffing No physical barriers between beds Laundry done offsite Burning chamber No facility with ICU/HDU care
Cluster 7	KMTC Kitui	Kitui	40 Quarantine	0	Quarantine site with 40 bed It's under utilised Need for SOP and protocol Have sufficient supply of PPE Long turn around time for getting results
Cluster 7	MWINGI LEVEL 4 HOSPITAL	Kitui	16	4	The facility has 16 beds fully Equiped with mattress, bed sheets and blankets There is an already isolation center set up to receive patients Sufficient staff to be designated to the isolation centre

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					Laundry is done off-site with sub contracted staff No facility for ICU/HDU care There is a nursing desk at the isolation centre
		Kitui Total	70	4	
Cluster 7	BISHOP KIOKO HOSPITAL	Machakos	0	0	As per the attachment
Cluster 7	BRISTON PARK HOSPITAL	Machakos	0	0	As attached
Cluster 7	KANGONDE LEVEL 3 HOSPITAL	Machakos	0	0	AS ATTACHED
Cluster 7	KANGUNDO LEVEL 4 HOSPITAL	Machakos	14	0	AS ATTACHED
Cluster 7	KATANGI 3 HOSPITAL	Machakos	2	0	The facility has a holding room for suspected cases The facility has designated 2 beds The ambulance does not meet the required standards
Cluster 7	KATHIANI LEVEL 4 HOSPITAL	Machakos	24	0	AS ATTACHED
Cluster 7	KENYATTA STADIUM FIELD HOSPITAL	Machakos	240	0	As attached
Cluster 7	KIMITI LEVEL 4 HOSPITAL	Machakos	9	0	AS ATTACHED
Cluster 7	KINANIE LEVEL 3 FACILITY	Machakos	10	0	AS ATTACHED
Cluster 7	MACHAKOS LEVEL 5 HOSPITAL ISOLATION AND CRITICAL CARE UNIT	Machakos	10	7	As attached
Cluster 7	MASINGA LEVEL 4 HOSPITAL	Machakos	6	0	AS ATTACHED

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 7	MATUU LEVEL 4 HOSPITAL	Machakos	4	0	The team has been trained on covid There is an isolation centre with 4 beds The ambulance is fully equipped only missing ventilator The isolation centre does not have clear donning and doffing area There is a covid response committee and emergency response committee
Cluster 7	MITAMBONI LEVEL 3 HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	MLOLONGO LEVEL 3 HOSPITAL	Machakos	0	0	AS ATTACHED
Cluster 7	MUKUNIKE COMMUNITY HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	MUTITU LEVEL 3 HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	MUUMANDU LEVEL 3 HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	SHALOM COMMUNITY HOSPITAL ATHI RIVER	Machakos	12	0	AS ATTACHED
Cluster 7	SHALOM COMMUNITY HOSPITAL MACHAKOS	Machakos	8	0	AS ATTACHED
Cluster 7	UNIVERSAL HEALTH FAMILY SERVICES	Machakos	0	0	As attached
		Machakos Total	371	7	
Cluster 7	Makindu Covid Treatment Centre	Makueni	300	0	1. This is a stand alone unit hosed in the former CRBC - SGR site offices currently taken over by KMTC. 2.The current bed capacity is 300 with room for more. 3. Two rooms of bed capacity 18 are set aside for patients who may require oxygen. Oxygen is piped

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					to each bed from 2 cylinders. 4. Laboratory results turn around time reported to be long (1-6 days) 5. Staffing for the unit is dependent on the number of patients and workload at a given 7- day shift with staff drawn across all the sub-counties.
Cluster 7	MAKUENI COUNTY AND REFERRAL HOSPITAL	Makueni	12	2	1. The unit has a capacity of 12 of which 2 are ICU beds. 2. There are no designated staff for the isolation unit. Staffing is on rotational basis drawing staff across all sub counties 2. The rotational exposure of staff is a county strategy to build adequate HR capacity to respond to the pandemic across the county. 3. The unit has a 4 bed holding capacity for patients awaiting confirmatory results. 4. Oxygen is piped to all isolation beds from the hospital oxygen plant
		Makueni Total	312	2	
Cluster 8	GEDE HEALTH CENTRE	Kilifi	30	0	1. 30 beds are available waiting for completion of the renovations 2. Donning and doffing areas do not meet required standards 3. Existing burning chamber is non functional. Therefore medical waste is transported to Kilifi Referral Hospital. 4. A multidisciplinary team of 22 is deployed to the facility awaiting finalization of renovation. 5. 2 oxygen cylinders are available.
Cluster 8	JIBANA SUB COUNTY HOSPITAL	Kilifi	0	0	1. The facility discharged the last COVID positive patient in April 29th. 2. This maternity ward newly constucted for the Jibana subcounty hospital was opened in February 2020 3. The maternity services restarted as the nearest maternity facilities were quite far 4. The number of deliveries per month are up to 45 5. Today 4 post natal cases with well babies and 1 mother in labour
Cluster 8	KAMBI YA WAYA DISPENSARY	Kilifi	25	0	1. The facility is a dispensary under renovation to create a proposed 18 bed isolation centre. Works began in April and were paused before resuming about two weeks ago. essential level 2 services were shifted to an adjacent technical training institute. 2. A 30,000 litre tank is on site. Piped water supply is erratic and which forces them to purchase water to supplement the supply. 3. The technical team seemed to be removed from the renovation process.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					4. The existing asbestos roof has been removed in consultation with NEMA.
Cluster 8	KILIFI COUNTY MEDICAL COMPLEX	Kilifi	144	7	1. The recently completed medical complex purposed for critical care and theatre services is the current dedicated isolation centre. Plans for an infectious diseases unit have not been mentioned. 2. The number of staff dedicated to the isolation centre are low. Multidisciplinary teams of six (CO, nurse, PHO and support staff) work for 24 hours daily for 14 days. This team is supported by a Physician and medical officers on need basis from the main hospital. No crtitical care specialist is available for proper use of the equipment. 3. All required protocols other than those for donning and doffing are not present or filed. 4. Lab functions are supported by KEMRI Kilifi and EAPHL in Malindi. 5. Health-workers are residing within the same building as the patients. The proposed dwelling for health-workers is not available as it is undergoing renovations. 6. Admitted patients are monitored through personal mobile phones. 7. Medical waste from other county facilities was dumped in an open, undesignated area posing a risk of infection
Cluster 8	MBUDZI HEALTH CENTRE	Kilifi	13	0	
Cluster 8	MSUMARINI DISPENSARY	Kilifi	0	0	This is a dispensary currently running as a level 2 facility and therefore presently not an isolation centre.
Cluster 8	SAHAJANAND ISOLATION CENTRE	Kilifi	59	0	1. It is a special school converted to an isolation centre for COVID positive males. Currently three patients are admitted. 2. Staff housing is available. 3. Seven multidisciplinary staff (CO, Nurse, PHO, support staff and cook) are available. They work for 24 hours daily for 14 days. 4. It is serving patients from beyond the sub county
		Kilifi Total	271	7	
Cluster 8	MSAMBWENI ANNEX COVID-19	Kwale	80	4	1. The new completed maternity unit has been converted to the COVID isolation centre. 80 regular beds and 4 critical care beds. 2. The laundry and catering services are shared with other hospital departments. 3. Oxygen supply is by way of a total of 12 oxygen cylinders. The cylinders are placed inside the self

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					contained rooms. 4. There are currently no active cases within the facility. An active home based care program exists. 5. The critical care section is a makeshift enclosure with a bed, vent, infusion pump and a monitor in a self contained room. 6. There is a dedicated mobile x-ray unit for the isolation centre. 7. One Physician is available for the isolation centre. The critical care specialist (deployed through Kenya-Cuba corporation agreement) who is stationed at the hospital is not available and not reliable. Also, there is a shortage of medical interns. 8. The available ambulance does not meet the ACLS standard. 9. The team is familiar with the MoH guidelines. However, there is no evidence of documented SOPs. 10. Lab supplies for the test kits are inadequate.
		Kwale Total	80	4	
Cluster 8	KING FAHAD COUNTY REFERRAL HOSPITAL	Lamu	13	0	1. The available 13 beds are spread out in two separate buildings; the former pediatric ward and the maternity shelter. 2. The County has plans to put up 86 beds according to the epi model. To meet the deficit, two more wards will be set up at Mokowe. 3. Complete PPE sets are missing the N95 and coverals 4. The existing isolation ward does not have a designated doffing area. This poses a risk of exposing the staff to infection. 5. 9 HCW have tested positive. This creates an umprecedented shortage. 6. Flow of HCW of staff from red zone to green is not set up according to the guidelines.
		Lamu Total	13	0	
Cluster 8	COAST GENERAL HOSPITAL	Mombasa	150	16	1. A well coordinated isolation protocol, infrastructure, human resource and referral system is in place. Internally generated funds were used for the initial set up of the present isolation unit. 2. An existing maternity ward was converted for COVID patients. Therefore, maternity in patient services were interrupted. 3. A continuous schedule for training is present for both public and private sector by team leaders. 4. High flow of oxygen of 40 to 60 L per minute by cannula provides better outcomes than ventilation (more than 50% of their ventilated patients succumbed) of COVID moderately to severely ill patients. The oxygen supply is stable and available from two existing oxygen plants and back up liquid oxygen

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					supplied by BOC. 5. The lab is currently running on 50% of lab staff trained for COVID testing and analysis. The lab lacks regular supply of reagents. Since Cobus reagents are scarce, the lab relies on Abbot for sample testing. There is shortage of samples collected after testing. The lab currently experiences a shortage of VTM and sample collection kits.
Cluster 8	TECHNICAL UNIVERSITY OF MOMBASA	Mombasa	254	0	1. This facility is a field isolation hospital. It is a repurposed Engineering building of TUM. The main modification done is zoning and piping of oxygen. 2. The Facility was put together through private public partnership between the County Government of Mombasa and private sector. Therefore, it serves as an annex of Port Reiz Hospital. 3. The isolation facility admits assymptomatic to mildly symptomatic COVID positive patients. Therefore, critical care equipment and staff are not provided for. 4. CCTV coverage is present in all admission zones and therefore patients are monitored from a control room. 5. All admitted patients are medicated with Azithromycin 500mg for five days, zinc and vitamin C. 6. The current quantity of PPE is adequate. This was strengthened by donations from Equity Group. However, concerns were raised regarding quality of the initial batch. 7. Pyschosocial support is provided by one pyschiatric nurse and two counsellors for both patients and staff. However, regular debriefings do not take place. 8. Admission numbers have dropped drastically due to home based care. 9. Four ALS fully equipped ambulances are dedicated for COVID response. Each vehicle has COVID labels prominently displayed.
		Mombasa Total	404	16	
Cluster 8	BURA HEALTH CENTRE	Taita–Taveta	6	0	1. This facility is currently running as a health centre. 60-80 patients are seen on a daily basis. Most patients are referred from Mwatate Sub County Hospital. 2. A six bed room has been designated as a holding area for suspected patients. This is the proposed site for an isolation unit. 3. The necessary infrastructural requirements and dedicated staff are not present. 4. It is a level 3 facility without an MO.
Cluster 8	COAST INSTITUTE OF TECHNOLOGY	Taita–Taveta	53	0	1. Isolation facility housed in 9 classrooms with no water supply. 2. Washrooms and toilets are detached from the isolation rooms approximately 20 meteres apart. 3. The classrooms are at the centre of the compound making demarcation a difficult task. 4. Presently no donning and doffing areas.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					5. Inadequate staff and no SOPs 6. Lack of transport and accomodation for HCW
Cluster 8	MAUNGU SUB COUNTY HOSPITAL	Taita–Taveta	8	0	1. Currently running as a health centre. Identified 2 rooms with 8 beds. Not functional as an isolation centre 2. no demarcated areas. No donning and doffing areas. No zoning 3. Inadequate equipment and staff. 4. No case protocols or SoPs
Cluster 8	MGHANGE DAWIDA HEALTH CENTRE	Taita–Taveta	8	0	1. Currently running as a health centre. Identified 2 rooms for isolation have 8 beds but non functional as an isolation centre. 2. No signage, donning or doffing areas exist 3. Staffing is inadequate.
Cluster 8	MWATATE LEVEL 3 HOSPITAL	Taita–Taveta	16	0	1. Theatre building converted into 4 bed ICU. 2 of those beds have been converted to COVID but yet to be operationalized 2. The exit path from the doffing area to the shower presents a mix up of red and green zones 3. Centre is well separated from the main facility. 4. 160 bed isolation centre under construction.
Cluster 8	TAVETA SUB COUNTY HOSPITAL	Taita–Taveta	20	0	1. Good flow system for patient management 2. Two active cases admitted 3. Well motivated clinical management team. They volunteered to work in the isolation centre. 4. Well secluded outdoor area for patients to sit.
Cluster 8	WESU SUB COUNTY HOSPITAL	Taita–Taveta	16	0	1. A mental health centre was converted into an isolation centre currently under renovation. 2. Inadequate staff, supply of PPEs and equipment 3. No designated means of transport for patients and HCW. 4. No desgnated residence for HCWs 5. No SoPs 6. Lack of disinfection teams
		Taita–Taveta Total	127	0	
Cluster 8	BURA SUB COUNTY HOSPITAL	Tana River	0	0	1. It is a recently designated existing ward for isolation. No renovation works have began. 2. No staff have been designated for the isolation facility. 3. PPE provision has been inadequate. Only surgical masks and sanitizers are available.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 8	GARSEN SUB COUNTY HOSPITAL	Tana River	0	0	Currently running as a health centre. No plans to establish an isolation centre
Cluster 8	HOLA LEVEL 4 HOSPITAL	Tana River	18	0	1. The present 18 bed isolation facility will be designated the female isolation ward. 2. The male ward is currently under renovation and almost complete. It is a proposed 26 bed ward. 3. A 5 bed renal unit is available but not dedicated for COVID. 4. There is an 18 month supply for PPE.
Cluster 8	MOI COUNTY REFERRAL HOSPITAL	Tana River	11	0	1. The facility has had 6 cases so far. None are active 2. The capacity can be expanded from 11 to 16 beds 3. It is dedicated for male isolation just like Taveta. Females are isolated at Mwatate 4. Flow of patients and staff is commendable 5. Protocols are available but are filed. 6. Ward is fenced off from the facility with a lockable gate 7. Team is enthusiastic and team spirit was evident
Cluster 8	Ngao Sub County Hospital	Tana River	8	0	1. Isolation ward has been identified. There is a issue with flow of patients 2. It is a dilapidated building formerly a maternity ward. 3. Inadequate PPE.
		Tana River Total	37	0	
Cluster 9	WEBUYE ISOLATION CENTRE	Bungoma	22	0	__Has a designated level 3 hospital is still under renovation but have 22 bed space _Most of the equipment are missing at the isolation facility _The IPC and Disinfection team are not in place yet___ _The facility has outsourced catering services__ _The SOPs are not printed out for display __ __County allocated Ksh. 50 million for COVID preparedness_ _The referral hospital as a new 7 bed ICU and 2 are dedicate to COVID A level 2 facility with a bed space with bed capacity of 32 has been identified but the decision to make it a COVID centre has not been finalized
		Bungoma Total	22	0	

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 9	AGRICULTURAL TRAINING CENTRE BUSIA	Busia	70	0	
Cluster 9	ALUPE HOSPITAL	Busia	124	0	
		Busia Total	194	0	
Cluster 9	KAKAMEGA COUNTY GENERAL HOSPITAL	Kakamega	11	6	There is need for staff training and supply of equipment to Manyala level IV, defibrillators for all the facilities, The construction and refurbishment of 4 facilities not completed
Cluster 9	LIKUYANI SUB COUNTY HOSPITAL	Kakamega	56	0	_All patients sent to Mumias _Make demarcation in the wards for bed spacing _Renovations have not been initiated -Some equipment are siill missing
Cluster 9	MANYALA SUB-COUNTY HOSPITAL	Kakamega	72	0	
Cluster 9	MAUTUMA SUB-COUNTY HOSPITAL	Kakamega	40	0	
Cluster 9	MUMIAS SUB COUNTY HOSPITAL	Kakamega	122	0	Some key equipment still missing Some staff cadres still missing
		Kakamega Total	301	6	
Cluster 9	BUGINA SUB-COUNTY HOSPITAL	Vihiga	18	0	_Refurbishment has not started _Equipment not in place _SOPs not in place -Staff have not been fully trained Most of staff cadres are not yet deployed
Cluster 9	Hamisi Sub-County Hospital	Vihiga	25	0	_Refurbishment almost complete _Critical Equipment not in place _SOPs not in place -Staff have not been fully trained - Some staff not in place

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 9	VIHIGA COUNTY REFERRAL HOSPITAL	Vihiga	80	5	_Refurbishment almost complete _Some equipment still missing _SOPs not in place in the planned facility -Staff have not been fully trained Some staff cadres not deployed yet
		Vihiga Total	123	5	
Cluster 10	GARISSA COUNTY REFERRAL HOSPITAL	Garissa	80	0	These are keyfindings 1) infrastructure- no demarcation between beds 2) Equipment- No enough a) suction machines, pillow and pillows case, pulse oximeter, examination trays , cardiac monitor nd no defribillator 3) HR- No CC nurse , anaesthetist and nutritionist ... 4) Case management- No SOPs for referral 5) Clinical service- No CC beds for the facility
Cluster 10	HAGADERA CAMP	Garissa	15	0	1) Equipments_a)No liner with cellulose blankets, pillow and pillows case. b)No cadiarc monitor 2) HR _ They are not enough for the facility 3) The facility has no adquate laboratory supply for covid 19 4) The facility has no good sewage line and not connected to main sewage
Cluster 10	Hulugho sub county hospital	Garissa	30	0	1) Infrastructure - No demarcated entry and exit point ,no properly zooned areas and no fictional kitchen and laundry 2) Equipment- it has only regular beds and mattress ,bed sheets and exam trays and digital Bp machine 3) HR- only 1 doctor ,1 nurse,1RCO,2 public health officers and 1lab technician 4) Clinical services - no fuctional mortuary ,no designated ambulance ,no electricity connected to it ,no sewage system then connected to the main sewage line
Cluster 10	IFO TWO HOSPITAL	Garissa	100	4	1) HR - The facility had no CC Nurse and Nurse anaesthetist having in place CC beds 2) Electricity and sewage - The facility is not connected to the main electricity and sewage system
Cluster 10	Liboi Health center	Garissa	15	0	1) Infrastructure- No demarcated entry and exit point,No properly zoned areas and no kitchen,no laundry 2) Equipments- No suction machines, Oxygen cylinder,No pulse oximeter, Ventilators, Emergency trays 3)HR-Only one doctor,one Nurse officer and lab technician 4) Clinical services -No mortuary which is functional 5) Transport and accomodations- No means of transport for health care workers
Cluster 10	MASALANI HOSPITAL	Garissa	15	0	1) infrastructure- The is no legable signcye of the isolation ward,no properly sealed areas,no procedure room 2) Equipment-No oxygen supply, Bed side lockers, ventilators,Endotrached tubes and Cardiac monitors 3) HR- No CC Nurse and anaesthetist,no infectious disease specialist

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					4) Clinical service- No fuctional mortuary,no deterginated Ambulance for the facility and no sewage system
Cluster 10	MODOGASHE SUB COUNTY HOSPITAL	Garissa	10	0	1) Infrastructure -No demarcated entry and exit point,no properly zoned area,no sluice room,no Functional kitchen 2) Equipment- No suction machines, oxygen cylinder,bed side lockers, Ventilators ,drip stand and Cardiac monitors 3) HR- only one doctor ,one Nurse ,one RCO and one lab technician 4) Transport -No designated ambulance, no clean water
Cluster 10	MSF HOSPITAL DAGAHLEY	Garissa	45	0	1) Infrastructure - The facility has no laundry 2) Equipments - The facility has liner with bed sheet , pillow and cellulose blankets also they don't have ventilators 3) They don't have ICU beds and defibrillators 4) HR- The facility has no physician, anesthesiologist,infectious dx specialist ,CC nurse and public health officer 5) Electricity - not connected to the main switch
		Garissa Total	310	4	
Cluster 10	ELWAK SUB COUNTY HOSPITAL A/E COMPLEX	Mandera	86	4	1.The facility has 86 bed capacity with no suspected/confirmed case admitted. 2.Its the only isolation unit in the entire county with four(4) intensive care unit but no dialysis machines. 3.The facility has state of the art infrastructure with all departments including laundry and backup generator. 4.The facility has no capacity for testing suspected covid-19 test. 5.The facility has no mortuary or cold room for preserving dead bodies. 6.No exit or entry points clearly marked in the unit. 7.Job aids/sops are not clearly put in the conspicuous places in all key departments.
Cluster 10	GARISSA ISOLATION UNIT - RHAMU	Mandera	9	0	1.Facility lacks most of the infrastructural requirement as per the checklist provided,looks very dirty and littered are scattered in everywhere. 2.It lacks examination trays,ventilators,endotracheal tubes,procedure trolleys,dialysis machines and intensive care unit. 3.No evidence of sops or job aids for infection prevention control displayed in all key departments. 4.There is evidence of acute shortage of staff as per the duty rooster provided.Especially on specialist cadres. 5.filling system was inappropriately filled as it lacks doctors note,unique inpatient numbers and cadexes. 6.Facility lacks incinerator,mortuary and no resident for health care workers designated to work in the unit.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 10	KAMOR INFECTIOUS DISEASE HOSPITAL	Mandera	68	0	1.Facility experience acute shortages of technical staffs especially specialist cadres e.g physicians,infectious disease specialist and other skilled staffs. 2.The facility does not have I.C.U beds and dialysis machines. 3.There is no clear signage in all key departments. 4.Facility do not have capacity to do Covid-19 test as samples are shipped to Nairobi which takes a lot of time and resource. 5.Facility lacks mortuary or cold room for preserving dead bodies.
Cluster 10	Kotulo isolation unit	Mandera	20	0	A.The facility lacks signage for entry and exit both patients and staffs. B.No procedure room,sluice room and laundry in the unit. C.The facility lacks almost equipment neccessary to run the unit as per the checklist provided. D.On infection prevention and wash;the facility has a huge deficit as there is no mechanism for waste disposal and management.No evidence of sops/jo aids placed in conspicous areas of key departments. E.The facility is experiencing acute shortage of staffs which cut across all cadres as per the checklist. F.The filling system in the unit lacks dates,clinician notes,nursing care plan and no unique identification numbers. G.The facility did not have residence for the front line caregivers and no utility car as one ambulance is serving in the entire sub county. H.No evidence of sops/job aids on case management ,referrals and specimen collection and packaging. I. The facility lacks critical care unit ,dialysis machines,laundry and mortuary/cold rooms for preserving dead bodies. J.The unit looks very dirty,dusty and litters are scattered everywhere.
Cluster 10	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Mandera	68	6	1.There was one confirmed case and two suspected cases in the unit.one patients is mentally disturbed and has kidney failure. 2.There is acute shortage of staffs in the unit especially specialized cadres i.e physicians, infectious disease specialist and specialist in other cadres. 3.No backup generator /solar in the unit. 4.I.P.C not well adhered. 5.No I.C.U beds and dialysis machines in the unit. 6.Sops and job aids are not put in all key departments. 7.Hand sanitizers and washing facilities are not placed in all key areas.
Cluster 10	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Mandera	36	6	1.The facility is designated as covid-19 isolation unit for health care workers and staff of the county. 2.Its under renovation. 3. It has six(6) I.C.U unit and one(1) dialysis machine. 4.The facility has two powered diesel and sterile wave incinerator.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 10	TAKABA COVI-19 ISOLATION AND MANAGEMENT CENTRE	Mandera	20	0	1.The facility has 20 beds capacity,no suspected or confirmed case admitted in the facility. 2.The facility does not display legible signage,zoning is not properly done,beds are not well demarcated,no provision for sluice or procedure room/area in the unit.The unit does not have laundry and these is manifested in the entire hospital. 3.On infection prevention and wash;There is taps but dry and no evidence of soap and the taps are not elbow taps.No evidence of sops and job aids for waste disposal and management which are attached to the wall or key departments in the unit. 4.There is evidence of acute shortage of staff especially on specialist cadres e.g physicians,infectious disease specialist and other relevant cadres. 5. On case management;The management is not aware of various protocols and sops/job aids developed on combating C0vid-19 pandemic e.g sops on receiving confirmed/suspected case,referrals and case management. 6.There is no evidence of filling system for suspected cases referred to county referral hospital and no provision for allocating unique number and other relevant information. 7.The facility does not have I.C.U beds and dialysis machine for patient who might require the services.No mortuary or cold room for storing dead bodies. 8.The facility does not have the capacity to do covid-19 test and samples are shipped to Mandera and sent to KEMRI in Nairobi which takes a lot of time and resources.
		Mandera Total	307	16	
Cluster 10	Bute Sub-County Hospital	Wajir	8	0	- The identified isolation unit is a primary school - It is far from the hospital set-up and therefore posing danger to patients/clients - The rooms identified are not ideal for human habitation -There is no a single basic or life support machine - Only 8 mattresses are available - No running water and no basic infection control mechanisms in place
Cluster 10	ELDAS SUB COUNTY HOSPITAL	Wajir	4	0	The infrastructure has no clear singnage No donning and doffing areas No equipmrnts at the unit except 4 bed Poor IPC and WASH systems. Key finding :Not prepared to respond to Covid. Containment
Cluster 10	TARBAJ HOSPITAL	Wajir	6	0	Infrastructure: Identified an i solation center by converting a female ward Singnage available no barriers and demarcation,not zoned properly No running water and poor sanitation Equipments: The facility lacks basic equipments

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					No source of oxygen supply Ipc:no IPC and WASH systems in place The facilty preparedness is below but works on goin:
Cluster 10	WAJIR EAST REFERRAL HOSPITAL	Wajir	12	5	A.INFRUSTRUCTURE: Gaps 1.not ideal isolation unit- no well demarcated Entry and Exit piints -No demarcated donning and doffing zones No designated staff entry and exut points No sluice rooms ,kitchen and laundry outside the unit. Washrooms and toilets for both staffs and patients available but no labelling female/male sections. Lab services area not provided (although the referral lab is adjacent located) Dispensing area/cabinet not identified . No morgue or holding area for dead bodies not seen. B.EQUIPMENTS Gaps :inadequate supply of oxygen not piped only one oxygen cylinder against 5ventilators observed-oxygen plant at the main hospital not working. Beds (12) capacity inadequate(although construction going on in the proposed covid treatment centre with beds in stock. No enough bed side lickers Basic emergency /examination trays not provided at the isolation ward. C.HRH -gaps:shortage of staffs in all cadres observed (below the HRH ration to patient) D-case management ,laboratory testing capacity building-,surveillance the county is prepared very well prepared. GENERAL FINDING :The county response and preparedness to COVID 19 and other pandemics needs more improvement -in case of any upsurge of case the county has no capacity to handle cases.
Cluster 10	WAJIR NORTH BUTE HOSPITAL	Wajir	0	8	1.The identified isolation unit is a primary school bute arid zone primary school 2.its far from the main hospital 3.No equipments observed Ipc and sanitations very poor. 4.Not ideal for an isolation unit.
Cluster 10	WAJIR SOUTH HABASWEIN	Wajir	0	0	1. The identified old building lacks most of the infrastructure needed as the checklist. 2.Its very dirty and its storage for old unused items. 3.NO equilments seen in the isolation unit 4.HRH shortage of assigned staffs for covid 19. And support staffs 5.There is a preparation on going to set up the unit and at the time of assessment the subcounty is ILL Prepared to respond to covid 19 containment.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 10	WAJIR WEST GRIFTU HOSPITAL	Wajir	8	0	The facility has identified an isolation unit with 8 beds. The unit has no clear signage and demarcations and zonings. Equipments: All equipments required not found. IPC: poor ipc and sanitation Note:the facility is ILL Prepared to respond to COVID 19.
		Wajir Total	38	13	
Cluster 11	GAFARSA HEALTH CENTRE	Isiolo	4	0	1. The health facility is clean and well organized 2. It has 4 beds with adequate linen and bedside lockers. Drip stand, examination trays and suction machine are also available. 3. The health workers are trained on COVID-19 protocols and have an IPC team in place. 4. Their areas of Improvement include: (a) Inadequate staffing (b) Lack of laundry facilities (c) Lack of training for all IPC members (d) SOPs not easily accessible (e) No specific ambulance designated for COVID-19 patients
Cluster 11	GARBATULLA SUB COUNTY HOSPITAL	Isiolo	13	0	1. The Hospital is clean and well organized with a clearly identified isolation centre 2. Distance between the beds is the recommended at least 2 metres 3. Washrooms for both patients and staff are available 4. There are adequate beds, linen, oxygen supply, wheel chairs and trolleys 5. Thirty four staff have been trained on IPC and WASH 6. Staff available are not adequate 7. Case management SOPs are not easily accessible 8. Laboratory services are not available in the isolation unit 9. There is delay in turn around for specimen collection and receipt of results 10. There is no mortuary or cold room for preservation of bodies
Cluster 11	ISIOLO COUNTY TEACHING AND REFERRAL HOSPITAL	Isiolo	52	13	1. The facility is clean, well-organized with adequate infrastructure for the isolation unit 2. There is adequate equipment (bed, suction machines, an oxygen plant, linen, pulse oximeters, resuscitation trays, procedure trolleys, dialysis machine and cardiac monitor) 3. IPC and WASH are good 4. Training and sensitization of healthcare workers on COVID 19 has been done 5.Lack of treatment protocols in hard copy 6. Some cadres of health care workers missing in the isolation unit
Cluster 11	KIMSING HEALTH CENTRE	Isiolo	2	0	1. The facility is clean and well organized 2. Very cooperative and dedicated staff 3. Two beds with all the required equipment e.g. oxygen concentrator and a suction machine are

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					available for isolation 4. All staff have been sensitized on COVID-19 management 5. The facility has a Community health volunteer who has been sensitized on COVID-19 and has started setting up community quarantine sites 6. The facility does not have PPES 7. No demarcation for donning and difficult areas 8. No SOPs and an IPC team has not been established 9. No kitchen
Cluster 11	KINA HEALTH CENTRE	Isiolo	5	0	1. The facility is clean and the infrastructure is well organized 2. Some equipment such as beds with adequate linen, PPEs and Oxygen concentrators are available 3. There is no signage to indicate the facility has an isolation unit 4. There are no designated areas for donning and doffing 5. No proper identification of entry and exit areas 6. No laundry faciliy
Cluster 11	MERTI SUB COUNTY HOSPITAL	Isiolo	9	0	1. The facility is clean and well organized 2. The is team work among the health workers 3. An isolation unit has been identified and 9 beds prepared for isolation of confirmed cases 4. Adequate cases for the 9 cases, should they arise, are available 5. All staff have been trained and sensitized on COVID 19 preparedness i.e. IPC, WASH e.t.c 6. Patient flow in isolation is not proper there are no clear entry and exit points. Clear signage needs to be put up 7. More staff are needed for the isolation unit to become fully functional 8. The IPC team and disinfection committee are not in place.
Cluster 11	MODOGASHE SUB COUNTY HOSPITAL	Isiolo	3	0	1. The facility is clean and well organised 2. They have 3 beds with adequate beddings. The beds are spaced atleast 2 metres apart. 3. The entries and exits as well as sluice area require to be identified 4. There is need to sensitise the IPC team on COVID-19.
Cluster 11	NARUPUU HEALTH CENTRE	Isiolo	2	0	An isolation centre/unit has been identified for 2 beds. Health facility is clean and staff have team work. The staff have been sensitized on covid-19. Basic equipments are largely available and dedicated for covid-19 isolation unit. However there is no clear demarcation sinage for isolation. Need to prepare donning and doffing areas and be clearly marked.
Cluster 11	OLDONYIRO HEALTH CENTRE	Isiolo	7	0	Isolation site hs been identified with 7 beds. The staff have been sensitized on covid-19 and hand wash places have been put in place. There's teamwork among staff. Other services within the facility are going on. They have no Macintosh mattress for the beds, no part of equipments. Staff are not fully trained on covid-19. Protocols of covid-19 are not in place

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings

Cluster 11	SERICHO HEALTH CENTRE	Isiolo	7	0	1. The facility is well organised and clean.
					 2. The isolation center is spacious with beds 2 metres apart.
					 3. There are resuscitation trays, patient trays and adequate intravenous infusion.
					 4. The areas of improvement:
					   (a) Some beds have no mattresses and pillows.
					   (b) One side of the fence is broken.
					   (c) Electricity is not connected to the isolation unit.
					   (d) There is no laundry machine.
					   (e) Staffing is inadequate

		Isiolo Total	104	13	
Cluster 11	NANYUKI ANNEX ISOLATION HOSPITAL	Laikipia	65	0	1. Adequate space, beds, beddings and conducive environment are available.for isolation. 2. Water and electricity supplies & sewerage and waste management systems are adequate. 3. Accommodation of clinical staff and other officers are available. 4. Dedicated ambulance for isolation ward and Covid-19 cases is available. 5. Important equipment such as ventilators, resuscitation tray/treatment tray and patient tray are available. 6. There is inadequate staffing. 7. Emergency/procedure room is unavailable. 8. SOPs/Job aids are lacking
Cluster 11	NANYUKI HOSPITAL	Laikipia	15	5	1. A 15 bed isolation ward with adequately spaced beds is available within the hospital next to the ICU 2.Donning and doffing areas, washrooms and toilets for staff and patients are in place 3. Five ventilators and oxygen supply are available 4. No signage for isolation and demarcation between beds 5. The isolation ward is not yet functional 6 Inadequate staffing for isolation unit 7. No suction machines and cardiac monitors
Cluster 11	NYAHURURU HOSPITAL	Laikipia	40	0	POSITIVE: The facility is clean and well organised 2. There is adequate supply of equipment and PPEs 3. Staff have been sensitized on COVID-19 4. There exists teamwork NEGATIVE: 5. There is overcrowding and no social-distancing for clients 6. The facility lacks emergency/holding room 7. The facility does not have emergency tray 8. There are no signages and demarcation between beds 9. Staff working in isolation unit have no designated transport or accommodation

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
		Laikipia Total	120	5	
Cluster 11	KALACHA SUB COUNTY HOSPITAL	Marsabit	5	0	The hospital identified an isolation which is clean and well organized with 5 beds. Bed 2 meters apart. Toilets for both staff and pt where place - had enough pulse ovimeter - waste disposal burning Chambers where in place Areas for improvement - put signage for isolation - identify exits and entrance - put label on donning and doffing areas - identify 24 hr security for both staff - inadequate staffing
Cluster 11	LAISAMIS SUB COUNTY HOSPITAL	Marsabit	11	0	1. The hospital has been earmarked as an isolation center for COVID-19 should the need arise. 2. They have 11 beds which are appropriately spaced according to the guidelines 3. No signage for the isolation ward. 4. Demarcation for donning and doffing has been done. 5. Toilet facilities is a challenge; pit latrines available but located 100 metres from the isolation ward. 6. There is shortage of running water. 7. There is no provision for sluice and procedure rooms. 8. There is inadequate equipment and shortage of staff especially specialised cadres.
Cluster 11	Marsabit County Referral Hospital	Marsabit	20	0	1. The hospital is clean, well organised and they have identified an Isolation Center. 2. All staff have been sensitized; 50 have been trained 3. The facility has PPEs to last five days 4. Basic equipment are available AREAS OF IMPROVEMENT: 5. There is no proper signage for entry and exit and isolation center. 6. Demarcation and signage for donning and dopping are lacking 7. The facility lacks adequate staff for the isolation unit 8. Equipment to operationalise the ICU and HDU are missing 9. The Isolation Unit only has 20 beds which currently occupy the total space expected to take the 3 beds for ICU and 3 beds for HDU 10. Delays in testing
Cluster 11	MOYALE LEVEL 4 HOSPITAL	Marsabit	8	0	The infrastructure in place currently no patient but the sub county really for uncertainty. Human resource inadequate in terms of number and speciality. Plan underway to transform male ward to isolation ward. No transport for covid-19 activities
		Marsabit Total	44	0	

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
Cluster 11	ARCHERS SUB COUNTY	Samburu	11	0	1. Clean and spacious health facility earmarked for isolation centre with 11 beds. 2. There are plenty of medicines for routine care 3. The staff are committed and motivated staff with clear governance structure. 4. There exists a COVID-19 response team and a nurse has been designated as a focal person. 5. The isolation unit does not have a signage. Donning and doffing areas are not clearly earmarked. 6. There are inadequate equipment and staff and prolonged procurement lead times.
Cluster 11	BARAGOI SUB COUNTY	Samburu	4	0	1. The facility has set up 4 bed isolation unit 2. There are adequate PPEs lasting 5 days 3. Staff have been sensitized on COVID-19 4. There is screening for COVID-19 at the entrance of outpatient department 5. Proper signage and demarcation for isolation is missing 6. Basic equipment such as oxygen cylinder, concentrator and suction machine are missing 7. There are no protocols, IPC team and disinfection team 8. Adequate staff are missing
Cluster 11	LAIKIPIA UNIVERSITY	Samburu	0	0	1. Two blocks of buildings have been earmarked for isolation unit. (a) The first blocks has been completed but built like a hole with an option to partition when need arises. The building has been disused for some time and requires some refurbishment. The Cloakrooms are two pit latrines located outside the building. This block can take 34 beds in accordance to the guidelines. (b) The second second block of building is still under construction and nearly 80% completed. The veranda and parking have not yet been completed. It has 14 rooms which can hold 2 beds each, giving a capacity of 28 beds in total. It also has 4 cloakrooms. 2. The facility is not fenced and does not facilitate restricted access. Structured security is missing. Electricity and water connections are also missing.
Cluster 11	MARALAL YOUTH POLYTECHNIC	Samburu	0	0	1. The polytechnic facility is a secure environment with all round clock security. 2. It has a 2 floor complex building consisting of 4 large rooms with cloak rooms facility appropriately placed to serve each of the large rooms. The cloakrooms can only be accessed by coming out of the building, hence the need to come up with an appropriate access barriers. There are also no shower rooms for bathing. 4. Electricity and water are available but there are no storage tanks. 5. Each of the large rooms can hold at least 8 beds; bringing the total capacity to 32 beds. 6. There are 6 large rooms available in the 2 adjacent blocks to the storied building but they have no cloak rooms. They could hold a capacity of 24 beds if operationalised and appropriate renovations carried out.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Findings
					7. The facility has not been operationalised and therefore has no beds, equipment, supplies or health care workers deployed.
Cluster 11	SAMBURU COUNTY REFERRAL	Samburu	12	0	1. The facility has set up 12 isolation beds with proper signage and demarcation between beds 2.Staff have been trained on COVID-19 3. Adequate PPEs available 4. Team work among the staff 5. There are no critical care beds 6. Critical equipment e.g pulse oximeters and ventilators are missing 7. No disinfection team
		Samburu Total	27	0	
		Grand Total	7411	312	

Appendix B: Recommendations
Week 3 Findings (Raw Data): July 14 – August 6th 2020

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 1	AIC ELDAMA RAVINE	Baringo	8	0	1. Modernize Medical Equipment: Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Examination Trays, Pulse Oximeters, Examination Trays, Ventilators, Resuscitation/Emergency Trays, Procedure Trolleys, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys. 2. Build Human Resource Capacity in the following areas: Specialist Physician, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Clinical Dietician, Drivers, Cooks and Laundry Attendant. 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Establish Procedure Rooms and Sluice Room; 5. Develop Protocols on Disinfection/Decontamination and Waste Management; Nursing Care Documentation; Receiving Confirmed COVID-19 Case; COVID-19 Case Management and Referral Guidelines;
Cluster 1	BARINGO COUNTY REFERRAL HOSPITAL	Baringo	10	0	1. Display Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management 2. Modernize Medical Equipment: Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other specialized medical equipment: Procure 5 Dialysis Units and 6 Ventilators 3. Enhance Human Resource Capacity in the following areas: Specialist Physician, Anaesthesiologists, Pharmacists, Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), General Nutritionists, Clinical Nutritionist, Clinical Dietician, Drivers, Cooks and Laundry Attendant. 4. Source for Utility Vehicle for Staff caring for COVID-19 5. Establish Electronic Medical Records System (EMRS)

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 1	MOGOTIO SUB COUNTY HOSPITAL	Baringo	70	0	1. Modernize Medical Equipment: Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g Pulse Oximeters, Examination Trays, Ventilators, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys and Wheel Chairs; 2. Build Human Resource Capacity in the following areas: Specialist Physician, Anaesthesiologists and Infectious Disease Specialist, Critical Care Nurses, Nurse Anaesthetist, Clinical Officer Anaesthetist, Public Health Officer (specialized in Solid Waste Management), Clinical Nutritionist, Clinical Dietician and Drivers; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Develop Protocols on Nursing Care Documentation, Referral Guidelines and sensitize all Staff on the existing COVID-19 Management Protocols e.g. Disinfection, Rapid Response, WASH, Mental Health & Psychological Care;
		Baringo Total	88	0	
Cluster 1	KABIYET SUB COUNTY HOSPITAL	Nandi	8	0	1. Have the entry and exit points well demarcated 2. Create Donning and Doffing Areas from the available rooms 3. Setting up procure and sluice rooms 4. Install a barrier between beds 5. Display Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management 6. Domesticate Protocols for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management from MOH /MTRH 7. Develop Protocol for Laundry cleaning 8. Procure Medical Equipment as per the need 9. Have a proper burning Chamber within the facility 10. Install Hand Wash Basins as per requirement (One in every four Beds); 11. Procedure rooms and kitchen should be established 12. Source sufficient mattresses, blankets, bed sheets and pillows and pillow cases 13. Ensure the isolation centre is connected to the main water supply , complete plumbing works and septic tank 14. Establish demarcation between Beds with material that can be disinfected 15. Recruit the identified Human Resources for Health (HRH) 16. Establish proper patient registers and mechanism of establishing unique patient identifiers 17. Have sufficient pharmaceutical supplies at the Isolation Centre 18. Source and place waste bins at the Isolation Centre
Cluster 1	KAPTUMO SUB COUNTY	Nandi	10	0	1. Install legible signage(s) of the Isolation Facility 2. Have the entry and exit points well demarcated

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Create Donning and Doffing Areas from the available rooms 4. Setting up procure and sluice rooms 5. Display Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management 6. Develop Protocol for Specimen Collection and Management 7. Develop Protocol for laundry cleaning 8. Procure Medical Equipment as per the need 9. Install Hand Wash Basins as per requirement (One in every four Beds); 10. Procedure rooms and kitchen should be established 11. Appointment and training of a disinfection team 12. Source sufficient pillows and pillow cases 13. Establish demarcation between Beds with material that can be disinfected 14. Recruit the identified Human Resources for Health (HRH) 15. Form an Infection Prevention Control team 16. Identification of Health personnel for Covid-19 training 17. Establish Electronic Medical Records System (EMRS) 18. Source and place waste bins at the Isolation Centre
Cluster 1	KIPSIGAK DISPENSARY	Nandi	7	0	1. Install legible signage(s) of the Isolation Facility 2. Have the entry and exit points well demarcated 3. Create Donning and Doffing Areas from the available rooms 4. Display Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management 5. Develop Protocol for Specimen Collection and Management 6. Develop Protocol for laundry cleaning 7. Procure Medical Equipment as per the need 8. Install Hand Wash Basins as per requirement (One in every four Beds); 9. Procedure rooms and kitchen should be established 10. Source sufficient pillows and pillow cases 11. Establish demarcation between Beds with material that can be disinfected 12. Recruit the identified Human Resources for Health (HRH) 13. Form an Infection Prevention Control team 14. Ensure the isolation centre is connected to the main water supply , complete plumbing works and septic tank 15. Train all the facility staff on Infection prevention and Control
Cluster 1	NANDI HILLS COUNTY HOSPITAL	Nandi	56	0	Complete the construction works at the Isolation Centre to avoid leaking roofs. 2. Develop and Display Standard Operating Procedures/Job Aids on case management , receiving confirmed patients, referral of patients, specimen packaging, discharging patients and nursing care.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Complete the process of sourcing and installing Medical Equipment: Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g Pulse Oximeters, Ventilators, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys and Wheel Chairs; 4. Extent the available Human Resource Capacity to include Anaesthesiologists and Infectious Disease Specialist
Cluster 1	SENGANI LEVEL 2 HOSPITAL	Nandi	6	0	1. Install legible signage(s) of the Isolation Facility 2. Have the entry and exit points well demarcated 3. Create Donning and Doffing Areas from the available rooms 4. Display Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management 5. Develop/Domesticate from MOH-MTRH Protocol for Specimen Collection and Management, Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management; 6. The Isolation facility should have a constant supply of oxygen 7. Develop Protocol for laundry cleaning 8. Procure Medical Equipment as per the need 9. Install Hand Wash Basins as per requirement (One in every four Beds); 10. Procedure rooms and kitchen should be established 11. Source sufficient pillows and pillow cases 12. Establish demarcation between Beds with material that can be disinfected 13. Have a Public Health in the facility 14. Ensure the isolation centre is connected to the main water supply , complete plumbing works and septic tank 15. The Health centre to properly reconstitute IPC and Dis infection team 16. Avail sufficient Covid-19 specimen collection supplies 17. Provide a designated means of transportation for Health Workers 18. County to avail proper reporting tools to the facility 19. Train all the facility staff on Infection prevention and Control
Cluster 1	SEREM	Nandi	6	0	Attached
		Nandi Total	93	0	
Cluster 1	ELELEA SUB COUNTY HOSPITAL	Turkana	3	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Establish procedure rooms and sluice room, handwash basins, washrooms and toilets, doffing and

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					donning areas; 5. Equip the laboratory with COVID-19 supplies; 6. Build incinerator; 7. Install electricity or other sources of power.
Cluster 1	IRC REFUGEE MAIN HOSPITAL	Turkana	16	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Establish sluice rooms, washrooms, donning & doffing facilities, laundry and mortuary; 4. Build incinerator.
Cluster 1	KAIKOR HEALTH CENTRE	Turkana	5	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Institutitionalize COVID-19 management protocols; 5. Establish procedure rooms and sluice room, hand washbasins, washrooms and toilets, doffing and donning areas; 6. Create signages, demarcate entry and exit points; 7. Equip the laboratory with COVID-19 supplies; 8. Build a laundry 9. Build incinerator; 10. Install electricity 11. Provide clean water sources
Cluster 1	KAINUK HEALTH CENTRE	Turkana	3	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Establish Laundry facilities, mortuary, procedure rooms, sluice rooms, hand washbasins and toilets; 4. Institutionalize COVID-19 treatment protocols; 5. Designate residence, motor vehicle for healthcare workers taking care of COVID-19 Patients; 6. Build incinerator
Cluster 1	KAKUMA MISSION HOSPITAL	Turkana	9	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Establish donning & doffing facilities, laundry, mortuary, 4. Institutionalize nursing care documentation and other COVID-19 protocols; 5. Designate ambulance, residence & motor vehicle for healthcare workers taking care of COVID-19 Patients; 6. Build incinerator.
Cluster 1	Kanamkemer Sub County Hospital	Turkana	30	0	1. Modernize Medical Equipment: Intensive Care Units (ICU) Units/Critical Care Beds, Dialysis Units and other medical equipment e.g. Pulse Oximeters, Examination Trays, Ventilators, Endotracheal tubes, Cardiac Monitors, Defibrillators, Laryngoscopes, Patient Trolleys and Wheel Chairs; 2. Enhance Human Resource Capacity across all the identified areas

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Build Incinerator for management of infectious wastes 4. Establish Laundry facilities/equipment 5. Build a Mortuary 6. Designate Motor Vehicle for Healthcare Workers taking care of COVID-19 Patients
Cluster 1	KATABOI HEALTH CENTRE	Turkana	1	1	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Institutionalize COVID-19 management protocols; 5. Establish procedure rooms and sluice room, hand washbasins, washrooms and toilets, doffing and donning areas; 6. Create signages, demarcate entry and exit points; 7. Equip the laboratory with COVID-19 supplies; 8. Build a kitchen and laundry 9. Build incinerator; 10. Install electricity or other sources of power. 11. Provide clean water sources.
Cluster 1	KENYA REDCROSS KALOBEYEI HOSPITAL	Turkana	11	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas (one in every four beds); 3. Establish sluice room and hand wash basins; 4. Build incinerator.
Cluster 1	LOKICHAR SUBCOUNTY HOSPITAL	Turkana	3	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Institutitionalize COVID-19 management protocols; 5. Establish procedure rooms and sluice room, hand washbasins, washrooms and toilets, doffing and donning areas; 6. Create signages, demarcate entry and exit points; 7. Equip the laboratory with COVID-19 supplies; 8. Build a kitchen and laundry 9. Build incinerator; 10. Install electricity or other sources of power. 11. Provide clean water sources
Cluster 1	LOKIRIAMA HEALTH CENTRE	Turkana	2	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Build Incinerator for management of infectious wastes; 4. Appoint Infection Control Team; 5. Establish Laundry facilities, mortuary, procedure rooms, sluice rooms and hand wash basins;

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					6. Designate residence, motor vehicle for healthcare workers taking care of COVID-19 Patients; 7. Build incinerator
Cluster 1	LOKITAUNG SUB COUNTY HOSPITAL	Turkana	12	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Institutitionalize COVID-19 management protocols; 5. Establish procedure rooms and sluice room, hand washbasins, washrooms and toilets, doffing and donning areas; 6. Create signages, demarcate entry and exit points; 7. Equip the laboratory with COVID-19 supplies; 8. Build a laundry, procedure and sluice rooms 9. Build incinerator;
Cluster 1	LORUGUM SUB COUNTY HOSPITAL	Turkana	8	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Establish donning & doffing facilities, laundry and mortuary; 4. Institutionalize nursing care documentation and other COVID-19 protocols; 5. Designate ambulance, residence & motor vehicle for healthcare workers taking care of COVID-19 Patients; 6. Build incinerator.
Cluster 1	LOWARENG AK HEALTH CENTRE	Turkana	4	0	1. Modernize Medical Equipment as identified; 2. Enhance Human Resource Capacity across all the identified areas; 3. Procure Ambulance designated for COVID-19 and utility vehicle for Staff caring for COVID-19; 4. Institutionalize COVID-19 management protocols; 5. Establish procedure rooms and sluice room, hand washbasins, washrooms and toilets, doffing and donning areas; 6. Demarcate entry and exit points; 7. Equip the laboratory with COVID-19 supplies; 8. Build a kitchen and laundry 9. Build incinerator;
		Turkana Total	107	1	
Cluster 1	ELGEYO BORDER DISPENSARY	Uasin Gishu	29	0	Procure Medical Equipment as per the need Recruit the identified Human Resources for Health (HRH) Install legible signage(s) of the Isolation Facility Have the entry and exit points well demarcated Create barriers and demarcation between beds Create Donning and Doffing Areas

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					Install Hand Wash Basins as per requirement (One in every four Beds); Avail Personal Protective Equipment Avail Pharmaceuticals and Non Pharmaceuticals Ensure availability of Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management Ensure availability of Standard Operating Procedures/Job Aids receiving confirmed patients, case management, referral, specimen packaging and discharging patients Train staff on the following areas: Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Establish Patient Management Information System Designate Vehicle for Staff caring for COVID-19 and Ambulance Install back up source of electricity (Generator/Solar) Undertake zoning of the isolation facility Treatment of Waste/sewarage before disposal to the Septik Tank Establish Infection Prevention and Disinfectiom Teams Installation of Laundry Equipment Develop Laundry Protocol Carry out Plumbing Works and connect water
Cluster 1	KATUIYO HEALTH CENTRE	Uasin Gishu	15	0	Procure Medical Equipment as per the need Recruit the identified Human Resources for Health (HRH) Install legible signage(s) of the Isolation Facility Have the entry and exit points well demarcated Create barriers and demarcation between beds Create Donning and Doffing Areas Install Hand Wash Basins as per requirement (One in every four Beds); Avail Personal Protective Equipment Avail Pharmaceuticals and Non Pharmaceuticals Ensure availability of Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management Ensure availability of Standard Operating Procedures/Job Aids receiving confirmed patients, case management, referral, specimen packaging and discharging patients Train staff on the following areas: Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Establish Patient Management Information System Designate Vehicle for Staff caring for COVID-19 and Ambulance Install back up source of electricity (Generator/Solar) Undertake zoning of the isolation facility

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					Treatment of Waste/sewarage before disposal to the Septik Tank Replacement of the Incinerator Doors Establish Infection Prevention and Disinfection Teams
Cluster 1	KIPLOMBE HEALTH CENTRE	Uasin Gishu	19	0	Procure Medical Equipment as per the need Recruit the identified Human Resources for Health (HRH) Install legible signage(s) of the Isolation Facility Have the entry and exit points well demarcated Create demarcation between beds Establish source of clean water for the isolation facility Source for storage tanks Install Incinerator Avail Personal Protective Equipment Sluice Rooms should be established Ensure availability of Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management Ensure availability of Standard Operating Procedures/Job Aids receiving confirmed patients, case management, referral, specimen packaging and discharging patients Train staff on the following areas: Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Establish Patient Management Information System Source for designated for Staff caring for COVID-19 Establish back up source of electricity back up source of electricity (Solar System Completion) for the isolation facility Undertake zoning of the isolation facility Create well defined barriers for entry and exit points Treatment of Waste/sewarage before disposal to the Septik Tank Source for designated residence for Staff caring for COVID-19 Establish and train Disinfection & IPC Team
Cluster 1	SAMBUT DISPENSARY	Uasin Gishu	6	0	Procure Medical Equipment as per the need Recruit the identified Human Resources for Health (HRH) Install legible signage(s) of the Isolation Facility Have the entry and exit points well demarcated Establish demarcation between Beds Create demarcation between beds Create Donning and Doffing Areas Replace Hand Wash Basins as per requirement (One in every four Beds);

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					Avail Personal Protective Equipment Ensure availability of Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management Ensure availability of Standard Operating Procedures/Job Aids receiving confirmed patients, case management, referral, specimen packaging and discharging patients Train staff on the following areas: Disinfection, WASH, Mental Health & Psychological Care and Rapid Response Establish Patient Management Information System Source for designated for Staff caring for COVID-19 Establish back up source of electricity back up for the isolation facility Undertake zoning of the isolation facility Treatment of Waste/sewarage before disposal to the Septik Tank Provide security for the isolation facility and for healthcare workers residence Establish and train Disinfection & IPC Team
		Uasin Gishu Total	69	0	
Cluster 1	CHEPARERIA SUB COUNTY HOSPITAL	West Pokot	2	0	1. The facility/county to consider renovation of the unoccupied student hostel as on alternative area to be used for isolation 2. County to consider additional Human resources for health to the hospital 3. County and the facility leadership should train more staff in the hospital on COVID-19 mitigation and recovery strategies. 4. Display Standard Operating Procedures/Job Aids on disinfection and Waste Management 5. Procure Medical Equipment as per the identified gaps 6. Establish demarcation between Beds with material that can be disinfected 7. Source and place waste bins at the Isolation Centre
Cluster 1	COUNTY SCHOOL OF GOVERNMENT COVID -19 ISOLATION CENTRE	West Pokot	0	0	1. The county to fast track the completion of the pending works. 2. County to have clear plans on the HRH requirements of the facility. 3. County to fast track Procurement of the required Medical Equipment for the facility.
Cluster 1	KACHELIBA SUB COUNTY HOSPITAL	West Pokot	2	0	1. The medical superintendent to find alternative Isolation Centre 2. County Technical working group to dispatch more PPES and Lab Sampling kits to the facility 3. Proposal waste disposal and management to be installed. 4. Domesticate and Display Standard Operating Procedures/Job Aids on Disinfection/decontamination

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					and Waste Management from MOH/MTRH 5. Recruit the identified Human Resources for Health (HRH)
Cluster 1	KAPENGURIA COUNTY REFERRAL HOSPITAL	West Pokot	18	0	1. Hospital should do legible signage to the isolation ward and demarcate cold zones from the Zones areas. . 2. Display Standard Operating Procedures/Job Aids on disinfection and Waste Management within the Isolation area and the facility. 3. Procure Medical Equipment as per the identified gaps 4. Fast track the procurement of the ICU equipments 5. Relocate the doffing area from inside the patient area to the exit point in the isolation unit 6. Domesticate the available protocols from the available MOH/MTRH/KNH/WHO protocols/guidelines 7. Ensure physical distance of at least 2M between beds is maintained, recommended two beds to be removed in two of the patients room
Cluster 1	ORTUM MISSION HOSPITAL	West Pokot	16	0	1. County and the facility leadership should train more staff in the hospital on COVID-19 mitigation and recovery strategies. 2. The hospital should avail and train all staff on Standard Operating Procedures on COVID-19 patient management 3. County to consider additional Human resources for health to the hospital as per the identified gaps 4. The hospital to reduce the number of beds per cube to allow at least 2m spacing between beds. 5. The hospital should start equipping the proposed isolation areas with both equipments and the necessary consumables. 6. The county should consider allocating an ambulance when need arises to serve the hospital 7. Hospital should do proper signage to the isolation
Cluster 1	SIGOR SUB COUNTY HOSPITAL	West Pokot	2	0	1. The facility to explore on alternative area to be used for isolation 2. Expedite training and sensitization of staff on Covid-19 3. Domesticate Protocols for Disinfection/Decontamination and Waste Management, Nursing Care Documentation, Receiving Confirmed COVID-19 Case, COVID-19 Case Management from MOH /MTRH. Display Standard Operating Procedures/Job Aids on Disinfection/decontamination and Waste Management 4. Procure Medical Equipment as per the need, to serve at the Isolation Centre. 5. Recruit the identified Human Resources for Health (HRH) and enhance the HRH capacity in the facility. 6. Ensure the capacity of the Rapid Response Team is enhanced, and have a proper staff composition and rota.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
		West Pokot Total	40	0	
Cluster 2	KAPLONG MISSION HOSPITAL	Bomet	6	2	
Cluster 2	KOIWA LEVEL 4 HOSPITAL	Bomet	18	0	1. Develop a clear refferal mechanism for patients requiring ICU care or reconsider having ICU beds in the unit. 2. Fast track completion, equipping, staffing and setting up of the 200 bed unit 3. Put a covid 19 patients register in place 4. Consider putting a mortuary in place this being a level 4 facility 5. Consider dedicating an ambulance for the isolation unit 6. Consider smothenning the floor of the upcoming unit to improve on IPC.
Cluster 2	LONGISA HOSPITAL	Bomet	21	0	- Signage not legible and a procedure room, lacks standard ICU beds and inadequate ventilators - In adequate HRH for Longisa - Hospital has made an arrangement to accommodate health care workers in the isolation - The facility has provided a separate isolation unit for asymptomatic positive health care workers
Cluster 2	TENWEK HOSPITAL	Bomet	24	3	1. County to put in place a pcr machine or upgrade the gene expert machine in the lab, which is accredited by WHO 2. County to consider the facility for critical care personnel 3. Put patient management information system in place 4. County to improve on supply of body bags.
		Bomet Total	69	5	
Cluster 2	AINAMOI HEALTH CENTRE	Kericho	52	0	1. To urgently complete and operationalise the isolation considering the expected upsurge. 2. The facility MOH to order adequate PPEs and laboratory materials for sample collection. 3. To provide for critical care services as per the projected ratio (2 ICU and 4 HDU) 4. To provide a unique system for patient information management. 5. To provide 10 oxygen cylinders.
Cluster 2	KERICHO LEVEL 4 HOSPITAL	Kericho	34	0	1. County to deploy additional HRH 2. Activite IPC committee 3. Put protocols in place to handle covid 19 patients requiring dialysis 4. Have designated paediatric covid beds 5. Fast track completion of the construction accommodation facilities for the staff 6. Fast track transfer of ventilators from Kapkatet
Cluster 2	Kipketer Dispensary	Kericho	29	0	1. The county government and James Finley to work together in deploying more HRH. 2. Demarcate and reorganise Block 2 to cater for washroom for staff, donning and doffing area and exit.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Staff working at the isolation unit should not be assigned other duties. 4. Establish disinfection team for the Isolation Unit. 5. Consider providing critical care services.
Cluster 2	UNILEVER CENTRAL HOSPITAL	Kericho	17	4	1. Fence around the unit 2. Staff in the unit to continue to capacity build in line with emerging evidence
		Kericho Total	132	4	
Cluster 2	BONDENI SUB COUNTY HOSPITAL	Nakuru	48	0	1. Health Finance Management Committee of the facility together with the Medical Superintendent to fast track completion and operation of the isolation centre. 2. The County Government of Nakuru to offer leadership and financial support to the facility so as to complete the establishment of the isolation centre. 3. To redesign the facility by putting into consideration the entry and exit points for patients and the staff. 4. Provide a visible signage, labelling and demarcation for the isolation unit. 5.To increase the toilets, washrooms and disinfection points in the isolation units.
Cluster 2	GILGIL SUB COUNTY HOSPITAL	Nakuru	2	0	1. Deamrcate the holding area. 2. Fast track the completion, equipping and staffing of the infrastructure under construction.
Cluster 2	LANGA LANGA HOSPITAL	Nakuru	32	0	1. Procure washing machine 2. Elect a separate gate to the unit 3. Elect a kitchen 4. Fast track addition of HRH 5. Address psychosocial issues of the staff 6. Consider power backup
Cluster 2	NAIVASHA HOSPITAL	Nakuru	10	2	1. The County Government of Nakuru to support the hospital in fast tracking expansion of the isolation to manage expected spill over- currently it's full. 2. To provide more healthcare workers, equipments as per the checklist and prepare to equip the spill over isolation ward. 3. County Government to consider establishing a Covid 19 testing centre within the county to improve on turn around time. 4. To urgently do the signage, demarcation and zoning of the isolation unit.
Cluster 2	NAKURU COUNTY REFERRAL HOSPITAL	Nakuru	20	4	1. The County Government to provide more staff including a counsellor for the Isolation centre. 2. To lobby for accreditation/establishment of laboratory testing centre for Covid19 in order to improve on the turn around time. 3. To provide residence and Isolation centre for HCW to curtail transmitting infections to their families.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					4. Fast track the completion and operationalisation of earmarked Isolation facilities due to rising cases in the county (Increase from the current 192 beds to the projected 433 beds).
Cluster 2	PGH Nakuru Annex	Nakuru	60	4	1. Equip ICU with more ventilators and cardiac monitors 2. Increase capacity of supply of oxygen (more cylinders or plant). 3. Increase the number of HRH; nurses, doctors, clinical officers, lab personnel and physiotherapist.
		Nakuru Total	172	10	
Cluster 2	Baraka Hospital	Narok	11	2	1. Fast track organisation of the unit 2. Recruit additional HRH 3. Put case management protocols in place 4. Fast track procurement of ventilators 5. Build capacity of staff on covid19 management to include specimen collection
Cluster 2	EMURUA DIKIRR HEALTH CENTRE	Narok	1	0	1. Fast track completion of the 34 bed unit 2. Provide laundry and kitchen 3. Provide equipment as per checklist. 4. Employ addition HRH as per MOH protocols 5. Provide additional water storage facilities 6. Pit case management protocols in place. 7. Identify accommodation facility for the HRH
Cluster 2	LOLGORIAN SUB COUNTY HOSPITAL	Narok	2	0	1. The County Government through the CEC Health to fast track construction and completion of the 64 bed twin blocks, equip, and operationalise as the Isolation Unit. 2. The County to provide more clinical personnel as well as arranging for transport and accommodation. 3. The Hospital through the Medical Superintendent to urgently order for PPEs, N95 masks and laboratory materials for Covid-19 management. 4. The county to identify and operationalise a Covid-19 paediatric wards. 5. The County to consider setting up an oxygen plant, ICU beds (projected 3 ICU beds) and a renal unit putting into account the vastness and catchment population of more than 200,000.
Cluster 2	NAIRREGIE ENKARE HEALTH CENTRE	Narok	10	0	Fast track: 1. Modification of the unit to include perimeter fence. 2. Hrh placement 3.Procurement of equipment 4. Put soups in place. 5. Consider modifying electricity supply to three phase
Cluster 2	NAROK COUNTY	Narok	11	0	1. The County to urgently recruit and deploy HCWs and support staff for the Isolation Unit. 2. The hospital to consider dedicating 2 ICU beds for the Isolation Unit so as not to derail other ICU services required for other diseases.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
	REFERRAL HOSPITAL				3. The County to lobby for accreditation of the existing Lab so as to be a COVID19 testing centre (In order to test more cases considering Narok is a major tourist corridor and distance from current testing centres is far). 4. To consider converting the Quarantine centres into an Isolation incase of an upsurge.
Cluster 2	OLOLULUNGA COVID ISOLATION CENTRE	Narok	12	0	1. County to provide HRH and support staff for the isolation unit. 2. To fast track the completion of the Isolation Unit to take care of the impending upsurge due to the the area being a tourist corridor. 3. The County to consider constructing an Oxygen plant, water treatment plant and waste disposal and management facilities as well as proving power backup considering the high number of Covid19 patients expected (About 300). 4. The County to secure the Isolation unit by constructing a perimeter wall as well as providing standard hospital beds.
Cluster 2	TRANSMARA WEST SUB COUNTY HOSPITAL	Narok	9	0	1. To procure ICU beds and equipment. 2. Place an order for the PPEs. 3. County to provide more HRH as per the protocol of HRH Covid-19 cadres. 4. Put a register in place to uniquely identify Covid-19 patients. 5. County to provide cooling machines for the already completed mortuary to enable it to start being used. 6. County to procure another generator to support the existing one.
		Narok Total	56	2	
Cluster 3	KANDIEGE SUB COUNTY	Homa Bay	70	0	Provide PPEs for healthcare workers Provide oxygen cylinders Provide oxygen masks for adults
Cluster 3	MALELA SUB COUNTY HOSPITAL	Homa Bay	20	0	Should pay salaries on time and also offer incentives for healthcare workers
Cluster 3	NYAGORO SUB COUNTY	Homa Bay	30	0	To pay healthcare workers on time and motivate them by giving incentives To cater for the welfare of patients with the unit
Cluster 3	NYANGIELA SUB COUNTY	Homa Bay	20	0	Provision of sufficient PPEs Provision of adequate clean water
Cluster 3	OBER SUB COUNTY HOSPITAL	Homa Bay	40	0	To provide designated means of transport for healthcare workers To recruit more healthcare workers In order to close existing gaps
Cluster 3	PALA KOGUTA SUB COUNTY	Homa Bay	30	0	To improve on staffing To provide residence for health care workers To install HDU for critical care patients

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 3	TOM MBOYA SUB COUNTY	Homa Bay	30	0	To procure more PPEs To procure an ambulance To procure more ICU beds To provide oxygen supply
		Homa Bay Total	240	0	
Cluster 3	KISII TEACHING AND REFERRAL HOSPITAL	Kisii	250	15	1. Zoning of the patients to be done in the isolation ward 2. Acquire more ventilators 3. A risk management plan to be put in place 4. Have dialysis machines for the COVID-19 isolation center
		Kisii Total	250	15	
Cluster 3	AHERO SUB COUNTY HOSPITAL	Kisumu	4	0	1. Staff handling COVID-19 cases to be designated and assigned duties in the quarantine unit to minimise contact of all staff with suspected cases. 2. Equipment required for use at the quarantine unit to be procured, supplied then designated for the same use. 3. Complete set of PPEs to be supplied in sufficient quantities to enable safe handling of patients in the COVID-19 isolation unit. 4. The unit to be redesigned, properly zoned and structured to improve patient and HCW safety. Consideration be made on the building undergoing construction for suitability and possibility to be used as quarantine/ isolation unit.

Cluster 3	CHULAIMBO SUB COUNTY	Kisumu	2	0	a)Look for alternative place to house isolation/quarantine unit
					b)Suggestion:
					    -Student hostel with 35 beds found suitable for quarantine
					    -An incomplete theatre block can be completed to serve as an isolation unit.

Cluster 3	GITA SUB COUNTY HOSPITAL	Kisumu	5	0	a)Structural improvements to be done in the isolation unit b)PPEs,equipment and supplies to be procured c)Staff to be trained and deployed in the isolation facility
Cluster 3	JARAMOGI OGINGA ODINGA TEACHING AND REFERRAL HOSPITAL	Kisumu	84	3	1. Proper signage to be made both internal and external 2. Proper zoning to be done to minimize interraction with red zone 3. More staff to be trained and assigned to Covid-19 isolation facility

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 3	KISUMU COUNTY REFERRAL HOSPITAL	Kisumu	10	0	1. Adequate supply of quality PPEs to be provided to staff 2. Structural design and patient /staff flow needs to be reviewed to stop red and green zone interraction 3. More staff need to be trained and designated to the isolation unit
Cluster 3	KMTC Kisumu Quarantine Centre	Kisumu	80 Quarantine Beds	0	a)Improve on signages and zoning b)Take care of staff welfare in the areas of food,refreshment,accomaodation and airtime c)Consistency in supply of commodities,materials and equipment d)Procure the right type of bed and mattresses with mackintosh
Cluster 3	KOMBEWA SUB COUNTY HOSPITAL	Kisumu	6	0	a)Look for a suitable structure in the institution, we suggest the facility to consider the new maternity building which is almost complete to completed and be used for isolation b)Train and deploy adequate relevant personnel c)Procure adequate PPEs,equipment and supplies d)Get a dedicated means of transport for staff working in the unit as well as a suitable accommodation for them
Cluster 3	NYAHERA SUB COUNTY HOSPITAL	Kisumu	2	0	This facility is not suitable for an isolation/quarantine unit in its current state. The above gaps must be addressed fully to make it a suitable unit
Cluster 3	NYAKACH SUB COUNTY HOSPITAL	Kisumu	6	0	1. The infrastructure to be improved, or alternative found to accommodate provisions that improve patient and staff safety. With separate Male and female quarantine areas. 2. Staff should be designated and deployed to the unit to reduce contact of all staff to quarantined patients, with equipment also procured and designated for COVID-19 isolation unit. 3. Adequate and complete set of PPEs to be supplied to the facility.
		Kisumu Total	119	3	
Cluster 3	KEGONGA DISTRICT HOSPITAL	Migori	28	0	Should provide adequate PPEs Should supply oxygen Should set up a functional kitchen Clearly demarcate donning and doffing areas
Cluster 3	NYATIKE SUB COUNTY REFERRAL HOSPITAL	Migori	183	0	To increase their stuffing and repair laundry machine To work on their stuff welfare Provide adequate cleaning tools Provide adequate mosquito nets provide adequate security lights
		Migori Total	211	0	
Cluster 3	BOMBANGI HEALTH CENTRE	Nyamira	5	0	1. Facility is not ready to receive patients as it is 2. Staff to be deployed

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Equipment to be facilitated 4. Signage to be put in place
Cluster 3	BOMBANGI HEALTH CENTRE	Nyamira	5	0	a)Facility is not ready to receive patients as it is b)Staff to be deployed c)Equipment to be deployed d)Signages to be put in place
Cluster 3	IGENA ITAMBE HEALTH CENTRE	Nyamira	50	0	1. Deploy staff, supplies and equipment 2. Construct a septic tank and a proper sewerage 3. Provision of water, more tanks 4. Proper fencing of the facility compound
Cluster 3	NYAMIRA COUNTY REFERRAL HOSPITAL	Nyamira	20	5	a)Fastrack completion of the 120 beds capacity b)Work on mechanisms for home based care c)Training improvement and strenghthening with database on training
		Nyamira Total	80	5	
Cluster 3	AMBIRA SUB COUNTY HOSPITAL	Siaya	41	0	a)Acquire more equipment for the isolation ward i.e oxygen cylinders,BP machines and cardiac monitors b)Employ more staff in the facility c)Fasten the completion of the new isolation ward that was under construction at the time of inspection
Cluster 3	BONDO SUB COUNTY HOSPITAL	Siaya	10	0	1. Improve on signage, develop SOPs and training of staff on Covid-19 2. Fast track completion of new building 3. Build infrastructure and capacity for critical care
Cluster 3	SIAYA COUNTY REFERRAL HOSPITAL	Siaya	0	0	a)Fast track the completion of the 200 bed unit b)Separate COVID-19 commodities from other hospital stores
		Siaya Total	51	0	
Cluster 4	NAIROBI WOMEN'S HOSPITAL, RONGAI BRANCH	Kajiado/ Nairobi	24	10	1. Fast track conversion of the additional ward to create an additional 31 beds. This will bring the total bed capacity to 65 2. The lift to be maintained as a hot area for patients and staff in full PPE and appropriate on the same be installed. 3. Erect a physical barrier to separate the red and green zones around the lift area. 4. Fast track acquisition of Covid-testing kits. 5. Provide a designated water bowser specifically for the facility.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
		Kajiado/ Nairobi Total	24	10	
Cluster 4	AGA KHAN UNIVERSITY HOSPITAL, NAIROBI	Nairobi	100	11	1. Fast track refurbishment of the additional field hospital to create an additional 100 beds. 2. The institution to consider seeking accommodation facilities and transport for staff working in the isolation ward. 3. Separate entry and exit in all isolation wards
Cluster 4	AVENUE HOSPITAL	Nairobi	15	7	1. Redesign the donning and doffing areas to avoid contamination of the green area and connect directly with the isolation ward. 2. Put up clear and conspicuous signage for the isolation ward. 3. Provide transport and accommodation for staff working in the Covid-19 isolation unit. 4. Install pre-treatment facilities for hospital effluent
Cluster 4	BAHATI HEALTH CENTER	Nairobi	0	0	1. Provide facility with human resource (both clinical and support staff) and equipment 2. Create a gate through the existing perimeter wall along Nyasa road. This will be used as an entry point and the main health centre gate will be used as an exit point. 3. The case management team to provide protocols for referral for any asymptomatic patient /mild cases that require hospitalization. 4. Health staff to include Psychosocial support. 5. Barricade and separate the male patients from the female ones. 6. Provide cabinets for basic pharmaceuticals. 7. Increase water capacity and procure a generator for backup power 8. Provisions for a designated ambulance for transport of patients to and from the isolation centre 9. Provide the basic minimum services for site operation
Cluster 4	Dagoretti High School- QUARANTINE	Nairobi	335 Quarantine	0	Recommendations 1. Zone and demarcate the hot, warm and cold areas. 2. Construct a Donning, doffing and a rest room area. 3. The dorms need repairs and repainting 4. Barricade the dormitories from the staff quotas. 5. Construct a laundry room 6. For the school to be used as an isolation centre, (I) The staff will need to be sensitised on capacity building on IPC and wash, case management (II) Construct a laboratory for sample collection.
Cluster 4	HIGHWAY SECONDARY SCHOOL- QUARANTINE	Nairobi	135 Quarantine	0	1. Separation of clean and dirty areas 2. Repair of bathrooms and toilets within the facility 3. Removal of extra beds in each dormitory so as to leave bed space of 1.5metres 4. Deployment of Human Resources both clinical and support staff

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					5. Training of current facility members of staff on covid 19 to minimize stigma 6. Discussion with NMS to provide laundry and waste disposal services
Cluster 4	KASARANI HEALTH CENTER	Nairobi	0	0	1. Put up a perimeter wall. 2. Oxygen supply to be provided. 3. construction of ablution block which should be connected to the main sewer line. 4. Provide backup for water preferably a borehole. 5. Provide an incinerator. 6. The 2-acre piece of land can be used to construct afield hospital with a projected capacity of 200 beds.
Cluster 4	KENYA WATER INSTITUTE-QUARANTINE	Nairobi	54 Quarantine	0	1. The facility is ready to be used as an isolation center once the identified gaps are bridged 2. The staff of KEWI requires psychosocial support to deal with stigma 3. Training of members of staff on COVID 19 4. Motivation of KEWI staff who will be working in the isolation center. 5. Legible signage to be installed. 6. Clear marking of clean and dirty areas. 7. Assessment on the possibility of expansion into the other hostels
Cluster 4	KENYATTA NATIONAL HOSPITAL	Nairobi	134	7	1. Exploration into the current proposed expansion spaces so as to be fully prepared. 2. KNH isolation facilities should keep up the good work.
Cluster 4	KENYATTA UNIVERSITY TEACHING & REFERRAL HOSPITAL	Nairobi	476	24	1. KUTTRH should remain a Teaching, Referral and Research facility and not dwell on primary health care. 2. The Training, Research and Innovation centre should be equipment with equipment and infrastructure appropriate for management of Covid-19 patients. 3. Equipping of 60 bed IDU infrastructure. 4. The Human resource for Health should be provided; (i) 27 Doctors (ii) 26 General Nurses (iii) 27 ICU Nurses (iv) 3 Infectious Disease specialists 5. An additional incinerator to be provided. 6. Backup water source be provided e.g. borehole. 7. Creation of Sluice room in the Infectious Disease Unit. 8. Handwashing/sanitizing facilities to be improved at the Funeral Home. 9. Funding to be provided for completion of the Paediatric hospital.
Cluster 4	KIBERA SOUTH HEALTH CENTRE	Nairobi	11	0	1. The facility is recommended as designated Covid 19 isolation unit to have 100 bed capacity, subject to a strategic plan to relocate the

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					already available services to the neighboring facilities
					2. Provide heavy duty commercial laundry / ironing Machine
					3. Deploy the following number of Human Resource for the facility.
					(i) 5 Medical Officers
					(ii) 2 Physicians
					(iii) 2 Anesthetist
					(iv) 8 Clinical Officers
					(v) 4 Clinical Officers Anesthetist
					(vi) 4 Laboratory Technicians
					(vii) 4 Lab technologist
					(viii) 2 Public Health Officers
					(ix) 20 Nurses
					(x) 5 Nurse Anesthetist
					(xi) 3 Pharmacists
					(xii) 2 Infectious Disease Specialist
					(xiii) 2 Nutritionist
					(xiv) 4 Drivers
					(xv) 20 Support staff
					(xvi) 3 Cooks

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					(xvii) 5 Critical Care Nurses (xviii) 2 IPC officers 4. Provide equipment and supplies i.e. PPEs, non-pharmaceuticals, N95 mask etc(3 month supply) 5. Urgent registration of the ambulance to GK to facilitate transfer of COVID 19 cases. 6. Provide complete ICU beds in the existing theatre rooms 7. Deploy 2 radiographers to operationalize unused ultrasound machine 8. Provide constant supply of O2 possibly a plant (Liquid oxygen) 9. Provide an incinerator to cater for their waste disposal needs 10. Provide accommodation and transport for staff who would be working in the isolation
Cluster 4	MAMA LUCY KIBAKI HOSPITAL	Nairobi	0	0	1. Provide urgently 3 weeks supplies of PPEs, non- pharmaceuticals,etc 2. Infrastructure renovations of 72 bed facility to comply with standards and requirements for infectious disease unit 3. Provide oxygen supply to the new facility, preferably a plant 4. Deploy the following number of Human Resources for Health to the new facility: i. 7 Medical Officers ii. 2 Physicians iii. 2 Anesthetist iv. 5 Clinical Officers v. 2 Clinical Officers Anesthetist vi. 5 Laboratory Technicians vii. 4 Public Health Officers viii. 15 Nurses ix. 3 Nurse Anesthetist x. 7 Critical Care Nurses xi. 3 Pharmacists xii. 5 Infectious Disease Specialist xiii. 2 Nutritionists xiv. 2 Drivers

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					xv. 10 Support staff 5. Provide urgently 150 bed field hospital for asymptomatic cases who cannot do home self -isolation 6. Designate the hospital lab as testing site for covid-19 7. Renovate perimeter wall to provide adequate security 8. Provide accommodation for staff working in isolation Centre 9. Secure appropriate ambulance for transfer of confirmed COVID19 cases0
Cluster 4	MATER HOSPITAL	Nairobi	18	2	1. Continue with the good work and initiatives for COVID Isolation 2. Make provisions to accommodate pediatrics 3. Have a dedicated dialysis machine for COVID patients 4. Look into Government support for the CCC Programme (they will appreciate any form of government support for Covid. 5. Have a dedicated means of transport for staff and for COVID patients
Cluster 4	MBAGATHI DISTRICT HOSPITAL	Nairobi	17	0	1. The isolation unit needs to be secured in terms of security personnel and fencing 2. There is need to have proper signage of the isolation unit, clearly visible hand hygiene protocols 3. Increase the oxygen availability in the hospital and consider an oxygen plant 4. Provision of portable x-ray and suction machine 5. Increase human resource to at least 2 medical doctors and 4 nurses per 8 hour shift 6. Provision of isolation specific ambulance (currently the unit depends on 2 ambulances one from Nairobi Metropolitan Services and another from E plus) 7. Improvement needed for specimen, specifically the provision of viral transport media
Cluster 4	MOI GIRLS HIGH SCHOOL NAIROBI- QUARANTINE	Nairobi	368 Quarantine	0	1. Provision of pedal bins 2. Designation of space for procedure room 3. Mackintosh to be provided for all mattresses 4. The school is ready to be used as an isolation center
Cluster 4	MP SHAH	Nairobi	24	6	1. Clear demarcation of red and green areas. 2. Legible signage at the entry/exit points. 3. Decontamination of laundry while it is still within the unit. as well as decontamination of waste before disposal. 4. Demarcation of donning and doffing areas (to be marked using tape) 5. A COVID designated ambulance to facilitate transport of patients.
Cluster 4	MUTUINI DISTRICT HOSPITAL	Nairobi	0	0	1. Urgent construction of a field hospital of a capacity of 200 beds for both symptomatic and asymptomatic patients. 2. Deploy the following number of Human Resource for the facility. (i) 10 Medical Officers (ii) 5 Physicians (iii) 2 Anesthetist (iv) 15 Clinical Officers

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					(v) 5 Clinical Officers Anesthetist (vi) 3 Laboratory Technicians (vii) 2 Public Health Officers (viii)20 Nurses (ix) 6 Nurse Anesthetist (x) 4 Pharmacists (xi) 4 Infectious Disease Specialist (xii) 2 Nutritionist (xiii) 4 Drivers (xiv) 20 Support staff (xv) 3 Cooks (xvi) 15 Critical Care Nurses 3. Provide essential equipment and 3 months supplies i.e. PPEs, non-pharmaceuticals,etc 4 Provide oxygen supply through installation of a plant(liquid oxygen) 5. Procure and provide appropriate ambulance for transfer of COVID 19 cases. 6. Provide transport and accommodation facilities for staff 7. Construction of a separate septic tank and a sewer line. 8. Constructor to be paid and finish construction of the existing perimeter wall and a gate. 9. Expansion and completionof the emergency operation theatre 10. Urgently construct kitchen and a laundry to cater for the expected upcoming facility 11. Provide the needed COVID19 protocols and guidelines
Cluster 4	NAIROBI EAST HOSPITAL	Nairobi	5	0	Recommendations 1. The facility is NOT suitable to serve as a Covid-19 isolation unit/Infectious disease unit because of its current location; given that residential homes occupy 3rd., 4th and 5th floor of the same building. 2. In addition, access of the Covid-19 patients to the proposed ward poses a major challenge given that this is not a full Covid facility. The options of using the lift/stairs are not viable for sick patients requiring isolation.
Cluster 4	NAIROBI SOUTH HOSPITAL	Nairobi	24	3	After assessing the facility, the team recommends that for the center to be effectively used as an isolation center, the following needs to be put in place: 1. Clear separation of donning and doffing areas on the first floor of the facility. 2. Completion of the ongoing works (the floor if the staff entrance and the patient bathrooms) 3. Proper laundry and waste management protocols so as to ensure decontamination prior to disposal 4. Follow up on the various licenses that are pending and are required for the facility to be operational.
Cluster 4	NAIROBI SOUTH PLAINSVIEW	Nairobi	0	0	After assessing the facility, the team recommends that for the centre to be effectively used as an isolation centre, the following needs to be put in place: 1. Provide a temporary roof to avoid dampness on the first floor

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
	HEALTH CENTER				2. Barricade the proposed isolation center from the dispensary which is functional. 3. Create a gate through the existing perimeter wall. This will be used as an entry point. 4. The case management team to provide protocols for referral for any asymptomatic patient /mild cases that require hospitalization. 5. Provide facility with human resource (both clinical and support staff) and equipment Health staff to include Psychosocial support. 6. Follow up with Nairobi Water and Sewerage company for restoration of piped water and increase water capacity. 7. Follow up with Kenya Power and Lighting Company for the conclusion of the electricity meter 8. Identify a kitchenette for healthcare workers, a storage area for commodities and PPEs 9. Provide the basic minimum services for site operation
Cluster 4	NAIROBI WEST HOSPITAL	Nairobi	24	0	1. Complete renovation of the Infectious disease unit 2. Fast track renovation of the ICU to create 8 beds for Covid-19 patients. 3. The institution to relocate the specimen collection to another site. 4. The health care waste to be collected within 48 hours. 5. Provide adequate natural ventilation in the recreation area. 6. Provide adequate space for a laundry 7. Identify a designated residence for health workers working in IDU
Cluster 4	Precious Blood Riruta- QUARANTINE	Nairobi	260 Quarantine	0	Recommendations 1. Zone and demarcate the hot, warm and cold areas. 2. Construct a Donning, doffing and a rest room area. 3. The dorms need repairs and repainting 4. Barricade the dormitories from the staff quotas. 5. Construct a laundry room 6. For the school to be used as an isolation centre, (I) The staff will need to be sensitsed on capacity building, IPC and wash, case management (II) Construct a laboratory for sample collection.
Cluster 4	PUMWANI NURSING SCHOOL	Nairobi	0	0	1. Provide trained human resource in all departments. 2. A supplementary budget to complete procurement of the necessary equipment. 3. Provide a gate through the existing perimeter wall along Muinami street off General Waruingi Street. This will be used as an entry point and the main hospital gate to be used as an exit point. So as to have clear clean and dirty paths. 4. Securing the proposed Isolation centre off the surrounding residential houses. Set up a barrier adjacent to the skills lab to separate the patients from the other people. 5. Convert the skills lab into a donning station and staff area. 6. Utilize the available open grounds for the clients. 7. The case management team to provide protocols to referral for any asymptomatic patient /mild cases

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					that require hospitalization. 8. Health staff to include Psychosocial support. 9. Barricade and separate the male patients from the female ones. 10. Provide a sluice room. 11. Provide cabinets for basic pharmaceuticals 12. Identify for kitchenette for the health care workers. 13. Identify storage rooms for: a. PPEs and other Consumables. b. General store. c. Unclean linen on the exit side. 14. Provide the basic minimum services for site operation.
Cluster 4	The Karen Hospital	Nairobi	26	0	The facility has met the requirements of an isolation facility and should therefore be approved to start admitting patients immediately.
Cluster 4	THE NAIROBI HOSPITAL (MAIN HOSPITAL)	Nairobi	211	6	1. Timely completion of the construction of the new isolation unit so as to increase capacity. 2. Facilitation where necessary from the Ministry of Health especially in acquisition of equipment and PPEs required. 3. The Nairobi Hospital to continue in the provision of good service.
Cluster 4	UPPERHILL SECONDARY SCHOOL - QUARANTINE	Nairobi	400 Quarantine	0	After assessing the facility, the team recommends that for the center to be effectively used as an isolation center, the following needs to be put in place: 1. Enhancement of security 2. Provision of hand wash facilities to be placed at strategic locations. 3. The facility is recommended as an isolation facility primarily for men 4. Provision of trained clinical and support staff 5. Training of school administration staff so as to ensure minimal stigma. 6. Provision of mackintosh for each mattress as well as removal of extra beds to ensure adequate spacing
		Nairobi Total	1085	66	
Cluster 5	GATUNDU LEVEL 5 HOSPITAL	Kiambu	52	0	- Decongest the isolation ward by removing some beds
Cluster 5	KIAMBU COUNTY COVID-19 CENTRE TIGONI	Kiambu	65	12	- Need support in laboratory utility. It would be a good place to put a testing centre.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 5	KIAMBU LEVEL 5 HOSPITAL	Kiambu	8	0	- Have SOPs in all service areas - Improve on patients records - have unique numbers for Covid 19 patients
Cluster 5	THIKA LEVEL 5 HOSPITAL	Kiambu	35	0	- More staff should be deployed in the hospital - Improve on signage in isolation ward
		Kiambu Total	160	12	
Cluster 5	BARICHO HOSPITAL LEVEL 3	Kirinyaga	0	0	- County to equip the isolation ward as soon as possible and deploy the staff according to HRH guidelines.
Cluster 5	KIANYAGA HOSPITAL LEVEL 4	Kirinyaga	0	0	- The County should complete the identified building, equip and deploy staff according to HRH guidelines.
Cluster 5	KIMBIMBI HOSPITAL LEVEL 4	Kirinyaga	0	0	- Have a proper flow in the isolation unit PPEs -Have a proper flow in the isolation unit with exit & entry, staff washrooms, and donning & doffing. - Provide accommodation for staff - Construct an incinerator - Have the power, water and sewerage connected. - Redesign the infrastructure to suit an isolation
Cluster 5	SAGANA HOSPITAL LEVEL 4	Kirinyaga	0	0	- The county should complete the isolation unit, equip and deploy adequate number of staff according to HRH guidelines.
		Kirinyaga Total	0	0	
Cluster 5	AIC GITHUMU MISSION HOSPITAL	Murang'a	8	0	1. Continuous training of human resource. 2.Proper demarcation of the holding area.
Cluster 5	Giachanjiru Mission Hospital	Murang'a	16	0	Unless supported financially from the government they are unable to meet the sets standards for COVID-19 patients Need for training on IPC and more staffing required to support the unit separately from the other services
Cluster 5	GITHUMU MISSION HOSPITAL	Murang'a	9	0	To continue offering it's normal services as it does not have the capacity to handle COVID-19 patients or cases
Cluster 5	KAHARO HEALTH CENTRE	Murang'a	18	0	Use of shower curtains to enhance disinfection, need for continuous training on IPC and emergency evacuation vehicle

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 5	KANGEMA SUB COUNTY HOSPITAL	Murang'a	9	0	To continue its services & transfer all COVID-19 cases to Muriranjas Hospital
Cluster 5	KENNETH MATIBA EYE AND DENTAL HOSPITAL	Murang'a	4	0	Let the whole facility be an isolation or quarantine and stop admissions of other patients.
Cluster 5	KENOL PRIVATE HOSPITAL	Murang'a	6	0	To liaise with MoH & SCHMT on capacity building, training on IPC, support structures to enable them set a unit for isolation, inadequate staffing to be addressed
Cluster 5	KIRIANI MISSION HOSPITAL	Murang'a	6	1	The facility to meet the requirements isolation unit once the set-up is done, need for more staffing, need for PPEs, need for continuous training
Cluster 5	KMTC MURANGA	Murang'a	50 Quarantine	0	- To have a clear doffing and doffing areas and improve on signage. - To develop SOPS -
Cluster 5	MURANGA COUNTY REFERRAL HOSPITAL	Murang'a	10	35	Request to have a PCR test unit, N-95 Masks shortage, capacity building & continuous IPC training
		Murang'a Total	86	36	
Cluster 5	AGRICULTURAL TRAINING CENTRE	Nyandarua	0	0	- This facility can only be used as Covid 19 staff residence but not as an isolation centre.
Cluster 5	BAMBOO HEALTH CENTRE	Nyandarua	15	0	- To be provided with quality PPEs - To have a well constructed incinerator. - To sort out the water issue - Confirmed patients should be separated from quarantine patients
Cluster 5	ENGINEER COUNTY HOSPITAL	Nyandarua	66	0	- Minimize the movement around isolation centre and fence the isolation unit
Cluster 5	JM REFERRAL HOSPITAL	Nyandarua	0	0	- To be re-inspected after 1 week.
Cluster 5	NGANO HEALTH CENTRE	Nyandarua	0	0	- To be re-inspected after 2 weeks.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 5	NORTH KINANGOP CATHOLIC HOSPITAL	Nyandarua	33	2	The facility meets the standard in all set-up but needs supports in PPEs & more training.Key issue was the specimen shipment & testing as it takes over 2 weeks to get the results. Need for a barrier between beds was recommended
		Nyandarua Total	114	2	
Cluster 5	KMTC Nyeri	Nyeri	70 Quarantine	0	Deployment of health staff to the facility, training of staff on IPC & WASH, infrastructure to be made available
Cluster 5	KNH OTHAYA	Nyeri	48	0	Continuous training on IPC, capacity building and need for an ICU besides the HDU
Cluster 5	MT KENYA HOSPITAL HOSPITAL	Nyeri	10	0	- The facility should improve on signage - There should be clear demarcation of entry & exit, Donning & Doffing. - County should deploy more staff.
Cluster 5	MUKURWEINI LEVEL 4	Nyeri	130	0	To work on infrastructure, document SOPs, need for capacity building & staff training on especially on IPC
		Nyeri Total	188	0	
Cluster 6	EMBU REFERRAL HOSPITAL	Embu	102	14	1. Improve on signage 2. Demarcation to be done in the ICU to prevent cross infection. 3. On covid -19 waste disposal , specific bin should be put in place and coded RED
Cluster 6	GATEGI HEALTH CENTRE	Embu	9	0	1. Put signage as required 2. To clearly mark the exit and entry points (staff and patients) 3. Training on case management 4. Increase the bed capacity 5. To put barriers in between the ward beds
Cluster 6	ISHIARA HOSPITAL	Embu	7	0	1. The facility to put demarcation between beds 2. To put a wall or fence around the isolation unit 3. The staff working in the covid unit to quarantine at the designated county quarantine centre (Kenya school of Government Embu)
Cluster 6	KARURUMO RURAL HEALTH TRAINING CENTRE	Embu	20	0	1. Set up hand washing area 2. Placing signage on the unit and demarcation also 3. To set up an electricity back up
Cluster 6	KIRITIRI HOSPITAL	Embu	15	0	1.need to develop SOPS for the facility for handling covid patients 2.all necessary for covid isolation should be setup in the wards.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3.put up signages for isolation wards. 4.complete setting up beds in the wards
Cluster 6	MBEERE SIAKAGO LEVEL 4	Embu	18	0	1.to do proper signage of the ward exterior and the various rooms 2.to have hand basins with running water in all wards 3.to clearly allocate equipment for the isolation ward from the store
Cluster 6	RUNYENJES LEVEL 4 HOSPITAL	Embu	36	0	1.have a lab. nearby 2. let the staff utilize the designated hostel/hotel instead of self isolation 3.put signage in place including donning and doffing areas
		Embu Total	207	14	
Cluster 6	Maua Methodist Hospital	Meru	30	0	To liaise with County to get beds to expand isolation ward capacity, have staff seconded to the hospital, obtain oxygen concentrators, To liaise with County facility to get PPEs during distribution. To liaise with MeTRH for referral of critical patients when the ICU is up and running. To install proper signage of Covid19 isolation ward externally and within the ward.
Cluster 6	MERU TEACHING AND REFERRAL HOSPITAL	Meru	52	0	There is potential to increase more bed by liaison with neighbouring facilities, Recruit more healthcare workers, Train more healthcare providers on Covid19, To look into leasing a PCR machine to offer Covid testing within and outside the county, To have a county specific HPTs formulary then liaise with MoH headquarters in revision of UHC list of HPTs
Cluster 6	Nyambene Sub-County Hospital	Meru	24	0	Need for an oxygen plant, Need to expand male ward, surgical unit and completion of isolation facility. Need to set up an ICU. Need to recruit more healthcare providers because of their workload, They need to receive funds to facilitate Covid19 preparedness.
		Meru Total	106	0	
Cluster 6	CHUKA COUNTY REFERRAL HOSPITAL	Tharaka-Nithi	135	0	1. Facility to put up signage for isolation ward 2. Need for ICU and HDU in the facility 3. Spacing to be done as per Ministry guideline
Cluster 6	KIBUNGA HOSPITAL	Tharaka-Nithi	11	0	1. To put up donning and doffing ares 2. To demarcate the isolation unit 3. To put up signage 4. The laundry and kitchen to be set aside for the Covid-19 unit
Cluster 6	KOMAROCK MODERN HOSPITAL	Tharaka-Nithi	15	3	1. To consider doing demarcation on the isolation ward 2. To consider setting up piped oxygen 3. to consider adding more beds if needs arises

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 6	MAGUTUNI HOSPITAL	Tharaka-Nithi	6	0	To put up demarcation of the unit. To put up signages for the unit. Put sluice room in place.
Cluster 6	MARIMANTI HOSPITAL	Tharaka-Nithi	6	6	1. Facility need to be demarcated from main hospital 2. facility to put up laundry for Covid unit 3. facility to put up washroom for staff at isolation ward 4. Need for more beds in the isolation ward
Cluster 6	Mpukoni Health Centre	Tharaka-Nithi	16	0	1. Need for training more staffs 2. To set up signage as required 3. Put up an incinerator for waste management 4. Need for functional kitchen
Cluster 6	MUTHAMBI HEALTH CENTRE	Tharaka-Nithi	15	0	Put up signages. Renovation of the isolation building. Put dermacation of the unit.
Cluster 6	PCEA CHOGORIA MISSION HOSPITAL	Tharaka-Nithi	22	6	the county government to deploy staff to the hospital. the county government to issue the facility with protective equipment.
Cluster 6	ST ORSALA MISSION HOSPITAL	Tharaka-Nithi	4	0	1. Theirs need to equip isolation ward with adequate PPE 2. To set up donning and doffing 3. Consider to have more bed capacity
		Tharaka-Nithi Total	230	15	
Cluster 7	KAJIADO COUNTY REFERRAL	Kajiado	25	10	1.Train all HCWS to ensure sustainable working arrangements in isolation centres. (Rotational placement to minimise staff burn outs). 2. Scale up pyschosocial support services targeting HCWs, confirmed and suspected cases. 3. Strengthen laboratory capacity to reduce turn around time for results 4. Scale up community covid 10 case management awareness through media and other channels for communities to embrace HBI and HBC
Cluster 7	KITENGELA SUB COUNTY HOSPITAL	Kajiado	10	0	1.Strengthen the national laboratoey capacities toreduce turn around time for results 2. Recruit and deploy Human resoures to cater for the isolation centre 3. Need for a clear policy guideline for linkages between the subcounty/ county Rapid response teams and companies/ privately done tests. 4. Set aside a vehicle and accomodation facilities for staff working in the isolation centre. 5. provide a list of approved manufacturers for quality PPEs for counties to source from. Partners donating PPEs should source from the approved manufacturers list.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 7	NG'ATATAEK HEALTH CENTRE	Kajiado	60	0	1. Train and equip staff on Covid 19 management knowledge and skills- staff will benefit from an exchange program with the county referral Hospital. 2.The facility will require support from the county/ partners to be fully operationalised. 3. Scale up Covid 19 advocacy including BCC targeting the general population. 4. Recruit / deploy the prerequisite staff to operationalise the isolation center.
Cluster 7	NGONG SUB COUNTY HOSPITAL	Kajiado	52	0	1. Designate and allocate transport and accomodation facilities for staff working in the isolation centre. 2. Keep and update staff training/ sensitization inventory. 3. Replace/ repair the laundry machine. 4. Strengthen national laboratory capacity to reduce turn around time for results. 5. National approval for quality PPEs manufacturers list for counties to source from, including partners donating to counties. 6. provide protocols for management of other co-morbordities in Covid 19 context e.g. DKA in diabeties 7. Consider reusable PPEs for the disinfection teams with gas masks, helmets, heavy duty gloves and non sticking gowns.
Cluster 7	OLE KASASI HEALTH CENTRE	Kajiado	12	0	1. Consider risk allowances for staff working in isolation centers. 2. Scale up psycho-social support for HCWs more so one on one counselling as opposed to group counselling. 3. Provide national guidelines on the irreducible minimum for isolation centers. 4. Use innovative ways in covid 19 advocacy that embrace clarification of myths and misconceptions in addition to use of media. 5. Strengthen laboratory capacity to reduce laboratory results turn around time.
		Kajiado Total	159	10	
Cluster 7	IKUTHA SUB COUNTY HOSPITAL	Kitui	12	0	Set up drainage system for isolation ward Infrastructural change for staff flow Connect water to the facility from the main supply Designate separate holding area for dead bodies SOP of receiving and discharging patients Display case management protocols as well as sample collection and transportation
Cluster 7	KATULANI SUB COUNTY HOSPITAL	Kitui	12	0	Provision of sample collection kits Need to have 24 hours security
Cluster 7	KAUWI LEVEL 4 HOSPITAL	Kitui	30	0	Establish infrastructure for critical care Set up physical barriers between beds laundry and hospital Link up for referral hospital for incineration of medical wastes

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 7	KMTC Kitui	Kitui	40 Quarantine	0	Need for signage SOP job aid and protocol Capacitate the county to conduct testing Need for emergency tray and oxygen source
Cluster 7	MWINGI LEVEL 4 HOSPITAL	Kitui	16	4	The available theatre to be converted to an ICU/HDU Set up physical barriers between the surgical theatre and the isolation ward Establish infrastructure for Doffing
		Kitui Total	70	4	
Cluster 7	BISHOP KIOKO HOSPITAL	Machakos	0	0	As per the attachment
Cluster 7	BRISTON PARK HOSPITAL	Machakos	0	0	As attached
Cluster 7	KANGONDE LEVEL 3 HOSPITAL	Machakos	0	0	AS ATTACHED
Cluster 7	KANGUNDO LEVEL 4 HOSPITAL	Machakos	14	0	AS ATTACHED
Cluster 7	KATANGI 3 HOSPITAL	Machakos	2	0	All lab staff to be trained on sample collection Order for full PPEs for isolation/holding room Improve on the level of risk management SOP on sample collection packaging and transportation
Cluster 7	KATHIANI LEVEL 4 HOSPITAL	Machakos	24	0	AS ATTACHED
Cluster 7	KENYATTA STADIUM FIELD HOSPITAL	Machakos	240	0	As attached
Cluster 7	KIMITI LEVEL 4 HOSPITAL	Machakos	9	0	AS ATTACHED
Cluster 7	KINANIE LEVEL 3 FACILITY	Machakos	10	0	AS ATTACHED
Cluster 7	MACHAKOS LEVEL 5 HOSPITAL	Machakos	10	7	As attached

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
	ISOLATION AND CRITICAL CARE UNIT				
Cluster 7	MASINGA LEVEL 4 HOSPITAL	Machakos	6	0	AS ATTACHED
Cluster 7	MATUU LEVEL 4 HOSPITAL	Machakos	4	0	Need to procure the ventilator for the ambulance Train more staff on covid Have a risk management team Have a covid focal person
Cluster 7	MITAMBONI LEVEL 3 HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	MLOLONGO LEVEL 3 HOSPITAL	Machakos	0	0	AS ATTACHED
Cluster 7	MUKUNIKE COMMUNITY HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	MUTITU LEVEL 3 HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	MUUMANDU LEVEL 3 HOSPITAL	Machakos	8	0	AS ATTACHED
Cluster 7	SHALOM COMMUNITY HOSPITAL ATHI RIVER	Machakos	12	0	AS ATTACHED
Cluster 7	SHALOM COMMUNITY HOSPITAL MACHAKOS	Machakos	8	0	AS ATTACHED
Cluster 7	UNIVERSAL HEALTH FAMILY SERVICES	Machakos	0	0	As attached

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
		Machakos Total	371	7	
Cluster 7	Makindu Covid Treatment Centre	Makueni	300	0	1. Strengthen national laboratory capacity for shorter and reliable turn around time for results. 2.Review and revise Covid 19 bodies disposal guidelines especially the use of full PPES and Health care workers in body disposal procedures
Cluster 7	MAKUENI COUNTY AND REFERRAL HOSPITAL	Makueni	12	2	1. Set up a regional/ cluster 7 dialysis center to cater for Covid- 19 cases. 2. Strengthen national laboratory capacity to reduce turn around time for results
		Makueni Total	312	2	
Cluster 8	GEDE HEALTH CENTRE	Kilifi	30	0	1. Need to rearrange donning and doffing areas for proper patient and staff flow flow. 2. Repair burning chamber or ensure waste disposal mechanism in place. 3. Arrangements for piping oxygen need to be made
Cluster 8	JIBANA SUB COUNTY HOSPITAL	Kilifi	0	0	1. Maintain this facility as the maternity unit 2. The opportunity cost of creating as isolation centre here is too high 3. For those requiring isolation consider option: - home based care - community isolation centres eg. Sahajanand
Cluster 8	KAMBI YA WAYA DISPENSARY	Kilifi	25	0	1. 25 beds and 18 mattresses are available at the site awaiting the completion of the renovation. 2. Increase in speed of the renovations is required. Involvement of the technical teams is extremely important.
Cluster 8	KILIFI COUNTY MEDICAL COMPLEX	Kilifi	144	7	1. CCTV system is necessary for surveillance and monitoring of patients. 2. Priority given to recruitment of health workers dedicated to the isolation centre as per the guidelines. 3. SOPs and job aids should be provided and displayed for easy access.
Cluster 8	MBUDZI HEALTH CENTRE	Kilifi	13	0	
Cluster 8	MSUMARINI DISPENSARY	Kilifi	0	0	It should continue to offer level 2 essential services. The facility cannot admit more than six patients and therefore is not suitable for appropriate allocation of COVID resources.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 8	SAHAJANAND ISOLATION CENTRE	Kilifi	59	0	1. Strengthen the numbers of current staff as per the recommended guidelines 2. An alternative site needs to be identified for future isolation.
		Kilifi Total	271	7	
Cluster 8	MSAMBWENI ANNEX COVID-19	Kwale	80	4	1. A dedicated infectious disease unit needs to be identified and constructed. 2. Laundry services need to be dedicated for the isolation centre. 3. Upgrade the existing capacity for the oxygen plant to supply the isolation centre. The placement of the current cylinders are a fire hazard. appropriate piping is needs to be done. 4. Designate a dedicated critical care unit for severely ill COVID patients. 5. The critical care specialist and anesthetists are missing which questions the ability to handle a surge in COVID positive patients. An urgent recruitment of the same is required. The hospital will require additional medical interns. 6. Provide for an ambulance that meets the standards. 7. SOPs and protocols need to be displayed in the various service delivery areas. 8. Strengthening of supply chain for lab equipment should be done. 9. Recognition of front-line health workers and team leads provides motivation for improved performance.
		Kwale Total	80	4	
Cluster 8	KING FAHAD COUNTY REFERRAL HOSPITAL	Lamu	13	0	1. Hospital liaison team need to do a requisition to Equity Foundation for the missing PPEs: N95, coveralls and shoe cover 2. Arrangement of the current doffing area needs to be revised to meet the guidelines 3. A minimum of three ICU beds need to be provided 4. Female ward needs to be fenced off. A doffing area is required as per the provided guidelines

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					5. SOPs need to be displayed at the various service delivery points.
					6. Operationalize a waste management committee.
					7. Expedite recruitement of staff from the UHC program
					8. Training of COVID case management for the newly recruited staff
		Lamu Total	13	0	
Cluster 8	COAST GENERAL HOSPITAL	Mombasa	150	16	1. There is need to identify a suitable location for provision of isolation services. The hospital mentioned plans for a 200 bed institution spread within the sub counties- Mtongwe, Kisauni and at Coast General itself using the National Government funds. 2. Support is required to strengthen and increase the lab personnel required for this task. 3. Supply chain supported by the County to ensure reagents and test kits are available.
Cluster 8	TECHNICAL UNIVERSITY OF MOMBASA	Mombasa	254	0	1. Another facility needs to be identified based on the planned reopening of the teaching institution. 2. This commendable initiative should be a model that can be adopted and upscaled by other counties. 3. Where it is affordable, CCTV coverage it is a good option to continuously monitor patients and reduce exposure to health workers. 4. Much as case management of COVID positive patients keeps evolving, antimicrobial stewardship must be prioritized for management of assymptomatic patients. Therefore, use of Azithromycin in assymptomatic patients is not justifiable. 5. Continuous engagement of the end user is necessary for the supply of high quality appropriate PPE. 6. Good psychosocial support is critical for frontline healthcare workers. Weekly debriefings are key to provision of continuous care. 7. Response teams face challenges when going to pick a positive patient. COVID labels need to be removed to reduce related stigma.
		Mombasa Total	404	16	
Cluster 8	BURA HEALTH CENTRE	Taita–Taveta	6	0	1. County and sub county teams need to decide whether the facility needs to become an isolation unit or continue with the regular service delivery. This will inform the necessary changes required.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 8	COAST INSTITUTE OF TECHNOLOGY	Taita–Taveta	53	0	1. Identified classrooms not ideal for isolation 2. Proposed previously identified and renovated student dormitory to be used for isolation. Its location makes it ideal to be fenced off. It has a capacity for 36 beds. 3. Urgent employment of staff required. 4. Training of COVID 19 for the Kazi Kwa Vijana staff being used in the facility.
Cluster 8	MAUNGU SUB COUNTY HOSPITAL	Taita–Taveta	8	0	1. Identified rooms to function as an isolation centre will need to reorganize staff entry, donning area, zoning and demarcation of green and red zones. Also create access for patients and security 2. Create access for staff to the identified doffing, decontamination and exit 3. Enhance the kitchen barrier and operationalize kitchen. Increase number of staff as per guidelines.
Cluster 8	MGHANGE DAWIDA HEALTH CENTRE	Taita–Taveta	8	0	1. To function as an isolation centre there is need to establish donning and doffing areas with clear zoning and fencing of the isolation block 2. Deployment of more staff with proper arrangements for accommodation ad transport
Cluster 8	MWATATE LEVEL 3 HOSPITAL	Taita–Taveta	16	0	1. Build up on numbers for HRH 2. Continuous sensitization and training of healthcare workers 3. HCW be involved in the new upcoming centre under construction 4. Ensure functionality of systems and not quantity. Operationalize the ICU beds for COVID 5. 3 months supply from Equity available. However, N95 and surgical masks are missing. Hospital liaison teams to contact Equity for missing items.
Cluster 8	TAVETA SUB COUNTY HOSPITAL	Taita–Taveta	20	0	1. Provide signage for the isolation centre. 2. Set up an IPC team. 3. Improve on oxygen supply
Cluster 8	WESU SUB COUNTY HOSPITAL	Taita–Taveta	16	0	1. Establish proper signage with proper zoning 2. Provision of adequate PPEs

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. SoPs and job aids should be provided.
					4. Employment to sufficient personnel as per guidelines
					5. Provision of dedicated transport for both patients and staff
					6. Accomodation of staff in line with HRH protocols
					7. Continuous capacity building.
		Taita–Taveta Total	127	0	
Cluster 8	BURA SUB COUNTY HOSPITAL	Tana River	0	0	1. County should prioritize commencement of renovation at the facility and deployment of masks as per the guidelines 2. County emergency response team have identified a newly constructed TTI near Hola town which is ideal for an isolation facility 3. Urgently provide PPE for the Sub County hospital staff
Cluster 8	GARSEN SUB COUNTY HOSPITAL	Tana River	0	0	1. Training and sensitization of staff on COVID 2. Facility to continue running as a health centre
Cluster 8	HOLA LEVEL 4 HOSPITAL	Tana River	18	0	1. For sustainability the County needs to identify self contained accomodation for COVID HCW. 2. Improve the flow of doning and doffing as per the guidelines. 3. Involvement of technical teams seemed missing.
Cluster 8	MOI COUNTY REFERRAL HOSPITAL	Tana River	11	0	1. Continuosus training of staff 2. Display of SoPs in service delivery points for visual access 3. Maximise use of the facility by adding more beds. 4. Change taps to elbow taps
Cluster 8	Ngao Sub County Hospital	Tana River	8	0	1. Utilize the new maternity building as the new isolation centre 2. Prioritize provision of PPEs

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Provide dedicated security for the isolation ward. 4. Provide training for staff
		Tana River Total	37	0	
Cluster 9	WEBUYE ISOLATION CENTRE	Bungoma	22	0	Urgently form the IPC and Disinfection teams at the Isolation centre -The is urgent need to acquire the critical equipment for the Isolation centre __Complete the refurbishment of the isolation centre -The is urgent need to identify more facilities in order to achieve the target of the 300 isolation bed space
		Bungoma Total	22	0	
Cluster 9	AGRICULTURAL TRAINING CENTRE BUSIA	Busia	70	0	
Cluster 9	ALUPE HOSPITAL	Busia	124	0	
		Busia Total	194	0	
Cluster 9	KAKAMEGA COUNTY GENERAL HOSPITAL	Kakamega	11	6	Complete the training of staff in Manyala level 4, equipment the facilities, complete works at new teaching hospital, complete refurbishment at Lukuyani and Mautuma level 4 and move the equipment
Cluster 9	LIKUYANI SUB COUNTY HOSPITAL	Kakamega	56	0	Fast track renovations__ _Equip the proposed COVID ward Complete refurbishment, staff posting, procure equipment
Cluster 9	MANYALA SUB-COUNTY HOSPITAL	Kakamega	72	0	
Cluster 9	MAUTUMA SUB-COUNTY HOSPITAL	Kakamega	40	0	
Cluster 9	MUMIAS SUB COUNTY HOSPITAL	Kakamega	122	0	Fast track procurement of equipment__ _Assign the missing staff to the facility

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
		Kakamega Total	301	6	
Cluster 9	BUGINA SUB-COUNTY HOSPITAL	Vihiga	18	0	_Assign the missing staff to the facility _Print and avail the SOPs____ __Train all the staff _Fast track the refurbishment _Install signages -Procure the missing equipment
Cluster 9	Hamisi Sub-County Hospital	Vihiga	25	0	Assign staff to the facility _Print and avail the SOPs____ __Train all the staff _Fast track the refurbishment _Install all signages -Procure the missing equipment
Cluster 9	VIHIGA COUNTY REFERRAL HOSPITAL	Vihiga	80	5	Complete refurbishment__ _Assign the missing staff to the facility _Print and avail the SOPs____ __Print SOPs and train staff _Fast track the refurbishment _Install signages -Procure the missing equipment -Establish the disinfection team
		Vihiga Total	123	5	
Cluster 10	GARISSA COUNTY REFERRAL HOSPITAL	Garissa	80	0	1) The facility being the largest they should have enough CC beds and Equipment 2) the MoH (at national level) should also help the facility to meet the requirements for this pandemic 3) I also congratulate the county and the health team for doing great job and utilizing well the resources allocated for them
Cluster 10	HAGADERA CAMP	Garissa	15	0	1) The county should help the facility ands it's patner(IRC)to improve the facility 2) The facility is being advised to refer the case of symptomatic (if gotten) to Ifo 2 to avoid contact to healthcare workers and to spread the disease immediately 3) The national government should also give a heavy help to the facility
Cluster 10	Hulugho sub county hospital	Garissa	30	0	1) The county government is recommended to improve the facility well in the infrastructure and equipment since it's on the border line 2) The National government should also help the county government to improve the area 3) The National government should provide the enough security to the area , hospital and health care workers all

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 10	IFO TWO HOSPITAL	Garissa	100	4	1) It is was really impressing to see how the Ifo 2 facility has been prepared for covid 19 and having the possible workers of Health care workers neatly to receive patients 2)I would also recommend the county to utilize that facility well and to improve the human resource and clinical services
Cluster 10	Liboi Health center	Garissa	15	0	1)I recommend that this facility should be improved specially the infrastructure and Human resources area of the facility Is more serious on fighting Covid 19 2) Through the national Covid 19 Emergency Response team/ committee the county leadership if possible commited to implement the above Finding 3)The National government should provide enough security for the health care workers to meet the requirements
Cluster 10	MASALANI HOSPITAL	Garissa	15	0	1)The county government should improve and take the seriousness it deserved for the facility for this pandemic 2)The National government should also help the county government to meet the requirements standard 3)The National government should provide enough security for the hospital and the health workers
Cluster 10	MODOGASHE SUB COUNTY HOSPITAL	Garissa	10	0	1) The county government must improve the infrastructure and equipment so that they meet the required standard level 2)The National government through the emergency response team of Covid 19 should request the county government to improve the facility 3) The National government must provide enough security to this area and to the facility
Cluster 10	MSF HOSPITAL DAGAHLEY	Garissa	45	0	1) The facility should give the health care workers laundry attendant of their own 2) HR - Is not badly off to refugee area but not having public leak office is also crutial in this pandemic and CC Nurse 3) I would advise the facility to refer the symptomatic patients to Ifo 2 hospital, If they get one bcz ifo 2 is more prepared than them
		Garissa Total	310	4	
Cluster 10	ELWAK SUB COUNTY HOSPITAL A/E COMPLEX	Mandera	86	4	A.The management is commended for being the only facility with intensive care unit in the entire county. B.The management to clearly indicate exit and entry points. C.The facility management in collaboration should build mortuary and cold room for preserving dead bodies. D.The management to develop customized notes for covid-19 pandemic and sops/job aids for receiving,referral and specimen collection protocol.
Cluster 10	GARISSA ISOLATION UNIT - RHAMU	Mandera	9	0	A. The facility management in collaboration with county government to deploy more technical and non technical staffs in the unit to fill the shortages. B.The management to improve on filling system i.e doctors note,cadexes and inpatient numbers for easy retrieval and subsequent management.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					C.The management to place in place all sops/jobs relevant for infection prevention control mechanism in all key departments. D.The facility to be cleaned daily and disinfected thoroughly even when there is no patients/clients.
Cluster 10	KAMOR INFECTIOUS DISEASE HOSPITAL	Mandera	68	0	A.The county government to ensure adequate number of personnel are deployed to curb shortages of staffing and employ specialist cadres i.e physicians and infectious disease specialist. B.The county to procure I.C.U beds and dialysis machine and ensure its ope-rationalize. C. The county government to lease with the National government and capacity build its staff and procure the necessary reagents in order to make use the newly acquired machine. D.The facility management to reorganize the department and clearly label all the sections of the unit.
Cluster 10	Kotulo isolation unit	Mandera	20	0	1.The management to ensure the facility is cleaned,dusted and disinfected every day in order to receive suspected/confirmed cases in case of any admissions. 1.The management in collaboration with county government to redeploy more staffs to the unit and ensure there is functional duty rooter for the staffs working in the unit. 2.The management to put in place proper filling system with all relevant information written on it for easy retrieval and smooth management of suspected/confirmed cases. 3.The facility management to procure all essential equipment necessary for running of the facility as per the checklist provided. 4.The management to construct incinerator for waste disposal and laundry for cleaning of linen in order to curb cross infection.
Cluster 10	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Mandera	68	6	A.County to redeploy technical staffs and employ specialized personnel. B.The management to ensure I.P.C components is well adhered . C.The management to ensure sanitizers and hand washing facilities are put in conspicuous places in the unit. D.The county to procure I.C.U beds and dialysis machines and ope-rationalize the same.
Cluster 10	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Mandera	36	6	A.The management to fast rack ope rationalization of the unit as Covid-19 cases are increasing day by day.
Cluster 10	TAKABA COVI-19 ISOLATION AND MANAGEMENT CENTRE	Mandera	20	0	A.The facility should clearly label signage in all key departments and do zoning in order to reduce cross infection. B.The facility management in collaboration with county government to procure separate laundry for the unit C.The Management should put in place I.C.U unit and dialysis center, in order to reduce unnecessary referral of patients and to curb the need for the care.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					D.The county government should fast track the use of the newly acquired Covid-19 PCR machine in order to reduce time wastage and panic to the client and healthcare workers on the uncertainty of the results. E.The facility management should develop a proper filling system for all suspected/confirmed cases for easy retrieval and subsequent management.
		Mandera Total	307	16	
Cluster 10	Bute Sub-County Hospital	Wajir	8	0	- Bute Sub county hospital is not prepared for covid-19 emerging cases - The management should identify an ideal isolation unit preferrably Bute hospital TB Manyatta - The County government should prioritize Covid-19 activities - The County Health Management team should consider supporting Bute hospital management in identifying and equipping an isolation unit. - The Current identified area to be used as a quarantine centre
Cluster 10	ELDAS SUB COUNTY HOSPITAL	Wajir	4	0	1.The county health leadership are highly advised to give covid 19 preparedness the seriousness it deserves. 2.To set up a standard isolation unit as per the checklist provided 3.Through the intervention of the MOH the county government should be compelled to implenent the above findings
Cluster 10	TARBAJ HOSPITAL	Wajir	6	0	The facility management should use the 2rooms for covid service The facility management should set up an isolation unit and equip for operationalisation
Cluster 10	WAJIR EAST REFERRAL HOSPITAL	Wajir	12	5	1.County and sub county response teams needs to be strengthened to be efficient in handling emergencies. 2.The county leadership should be brought to their attention the above gaps idebtified in reference to: •Need of dedicated covid 19 ambulance and referral systens in place. •Setting up ideal/standard COVID 19 treatment centre with a capacity. •Strengthening of the Entire County Health Systnes/provision of essential health services in readiness of roll out of UHC. 3.Employment of more health workers and other auxilliary staffs 4.Through the national government the county should be supported in terms of TECHNICAL /Resources that they may need for them to be prepared and responsive to emerging pandemic issues.
Cluster 10	WAJIR NORTH BUTE HOSPITAL	Wajir	0	8	The facility management should idebtify an ideal place for. Setting up isolation unit The CHMTS should consider supporting the subcounty in identifying and equiping the unit Also recommended the school should be use as a quarantine place
Cluster 10	WAJIR SOUTH HABASWEIN	Wajir	0	0	1.The facilty management should collaborate with CHMTs for the speedy set up of the isolation unit. 2.Through the county leadership and other partners the isolation should be operationalised immeddiately by providing necessary equipmnts and staffs. 3.Re-assaessment should be planned after the unit is completed.

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
Cluster 10	WAJIR WEST GRIFTU HOSPITAL	Wajir	8	0	The management should re-look and re-organise tge facility for it to be ideal unit. Reconstitute IPC team and put waste management in place. Designate more staffs to the unit The equipments should be procured and supplied by the county leadersgip.
		Wajir Total	38	13	
Cluster 11	GAFARSA HEALTH CENTRE	Isiolo	4	0	1. Need to deploy adequate staff 2. Requirement to train all IPC team members on management of COVID-19 3. Requirement to provide laundry machine 4. Need to provide COVID-19 protocols 5. Need to organize for transport for COVID-19 cases
Cluster 11	GARBATULLA SUB COUNTY HOSPITAL	Isiolo	13	0	1. Deploy adequate staff to the isolation unit 2. Provide treatment protocols and make them easily available 3. Improve turn around time for provision of COVID 19 results 4. Provide a cold room/mortuary for those who die from COVID 19
Cluster 11	ISIOLO COUNTY TEACHING AND REFERRAL HOSPITAL	Isiolo	52	13	1. Provide hard copies of treatment protocols and make them accessible 2. Deploy necessary cadres of health care workers to the isolation unit 3. Provide training on case management protocols 4. Keep up the good job
Cluster 11	KIMSING HEALTH CENTRE	Isiolo	2	0	1. Staff need to be sensitized on different areas in COVID-19 management 2. Health facility should be supplied with full sets of PPEs, at least 10. 3. Demarcation of donning and doffing should be done 4. Entry and exit points need to be clearly identified and labelled. Signage for the isolation facility should also be put up 5. Set up screening for Covid-19
Cluster 11	KINA HEALTH CENTRE	Isiolo	5	0	1. Signage should be erected to clearly identify areas in the facility as well as show direction 2. Areas for donning and doffing should be provided 3. Provide hand-washing area, preferably foot operated 4. Provide laundry facility 5. Proper identification of exits and entrances should be put in place
Cluster 11	MERTI SUB COUNTY HOSPITAL	Isiolo	9	0	1. The Hospital needs to put proper signage and demarcation 2. Increase the isolation unit capacity to 48 beds 3. Deploy more staff to the isolation unit

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					4. Put in place at least two ventilators and four critical care beds 5. For UHC, make the theatre operational
Cluster 11	MODOGASHE SUB COUNTY HOSPITAL	Isiolo	3	0	1. Isolation signage should be labeled at the entry and exit points which also require to be first identified 2. There is requirement for the County to support the facility with adequate human resource 3. The facility requires to put mechanisms for UNIQUE IDENTIFICATION of patients once admitted at the facility 4. There is need to provide pharmaceutical storage at the facility
Cluster 11	NARUPUU HEALTH CENTRE	Isiolo	2	0	1. Staff should be trained on covid-19 2. From IPC and disinfection team. Public health officers from Oldonyiro to support the health facility. 3. Download protocols for covid-19 and place in the areas required 4. Deploy more staff to the isolation unit if possible 5. Screen all patients and clients entering the health facility
Cluster 11	OLDONYIRO HEALTH CENTRE	Isiolo	7	0	1. The isolation site should be equipped for the six beds 2. Staff to be trained on covid-19 3. Sinage, demarcations for donning and doffing be done by the health facility 4. Screening for patients/ clients for covid-19 as they enter the health facility
Cluster 11	SERICHO HEALTH CENTRE	Isiolo	7	0	1. Connect the isolation unit to the electricity mains available at the health facility. 2. Repair the fence. 3. Deploy adequate staff to the unit (and the health center) 4. Provide hand washing stations with elbow taps. 5. Ensure availability of adequate PPEs 6. Provide laundry machine
		Isiolo Total	104	13	
Cluster 11	NANYUKI ANNEX ISOLATION HOSPITAL	Laikipia	65	0	1. There is need for supply of emergency equipment. 2. Deployment of additional staff to isolation unit is required. 3. There is need to identify a room for holding emergency or very sick patients awaiting referral to ICU or hospital. 4. Development of SOPs/Job Aids for Isolation and Waste Management
Cluster 11	NANYUKI HOSPITAL	Laikipia	15	5	1. Erect legible signage for isolation ward 2. Staff should be deployed to the isolation ward 3. Equipment for the isolation ward e.g suction machines and cardiac monitors should be procured for the isolation ward/ICU 4. The ICU needs to be functional and open to other patients
Cluster 11	NYAHURURU HOSPITAL	Laikipia	40	0	1. There is need for deployment of more staff in the isolation unit 2. The isolation unit requires proper signage

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Demarcation between patient beds is required to create space for patient's lockers 4. There is need to identify emergency room 5. Designated accommodation and transport for staff is required 6. The isolation unit requires designated ambulance 7. There is requirement for further capacity building for staff in the isolation unit
		Laikipia Total	120	5	
Cluster 11	KALACHA SUB COUNTY HOSPITAL	Marsabit	5	0	1. Procedure for enough provision of full PPEs 2. Mobilize to deploy adequate stuff 3. Put legible signage for these areas. Exits, entrance, donning and doffing 4. Procedure for equipment and supply for critical unit 5. Identify for accommodation for staff working for isolation 6. Provide security for both isolation and staff place 7. Also they require for electricity supply for hospital 8. Oxygen is necessary for the hospital
Cluster 11	LAISAMIS SUB COUNTY HOSPITAL	Marsabit	11	0	1. Need to put signage for isolation center 2. Need to demarcate entry and exit points including donning and doffing areas. 3. Need for facility/hospital staff (trained on COVID-19) to come up with a strategy and document it for COVID-19 response in regard to gaps identified. 4. Health facility to be furnished with all SOPs for implementation especially on waste disposal.
Cluster 11	Marsabit County Referral Hospital	Marsabit	20	0	1. Requirement for provision of full PPEs especially N95 masks 2. Need to mobilize and deploy adequate staff to the isolation unit 3. The facility to put legible signages for isolation center and demarcate donning and doffing areas. 4. Management to procure equipment and supplies for the ICU and HDU 5. Need to procure cartridges for the Gene-expert machine for enable testing for COVID-19
Cluster 11	MOYALE LEVEL 4 HOSPITAL	Marsabit	8	0	1. Encouraged to keep on working towards improvement of covid-19 activities 2. County to provide with more beds ambulance and staff
		Marsabit Total	44	0	
Cluster 11	ARCHERS SUB COUNTY	Samburu	11	0	1. Ensure adequate equipment and supplies in the isolation unit. 2. Operationalize the isolation center in accordance with the COVID-19 guidelines. 3. Deploy more staff to cover COVID-19 issues
Cluster 11	BARAGOI SUB COUNTY	Samburu	4	0	1. The facility to put proper signage and demarcation for entry and exit 2. Supply the isolation unit with the necessary equipment (suction machine, oxygen cylinder, concentrator, pulse oximeter)

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds	Key Recommendation
					3. Download protocols and SOPs/Job aids for COVID-19 management 4. Deployment of staff to isolation center and form IPC/disinfection teams
Cluster 11	LAIKIPIA UNIVERSITY	Samburu	0	0	1. The uncompleted building should be finalized especially the floor, bathrooms, windows, verandah. 2. The facility requires proper fencing. 3. Water and electricity should be connected to all the building blocks. 4. The disused building should be renovated and cloakrooms be constructed adjacent to the building. 5. If the 2 buildings are considered to be used as isolation units, they should be prepared/operationalised in accordance to the COVID-19 requirements.
Cluster 11	MARALAL YOUTH POLYTECHNIC	Samburu	0	0	If considered for converting the Polytechnic institution into an isolation unit, it shall be generalised in accordance to the COVID-19 requirements including the following: 1. Requirement of beds, equipment and supplies. 2. The facility infrastructure to be appropriately demarcated as per COVID-19 guidelines and required access restrictions put in place. 3. Deploy adequate and appropriately trained health care workers on COVID-19 case management.
Cluster 11	SAMBURU COUNTY REFERRAL	Samburu	12	0	1. Set up critical care beds/ICU with necessary equipment 2. Form disinfection team 3. Provide more capacity for isolation
		Samburu Total	27	0	
		Grand Total	7411	312	

MINISTRY OF HEALTH
TECHNICAL ASSISTANCE TEAMS
TO SUPPORT COUNTY GOVERNMENTS
IN COVID 19 & UHC HEALTH SYSTEMS STRENGTHENING

Appendix C: COUNTY BED CAPACITY
August 6th 2020

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 1	AIC ELDAMA RAVINE	Baringo	8	0
Cluster 1	BARINGO COUNTY REFERRAL HOSPITAL	Baringo	10	0
Cluster 1	MOGOTIO SUB COUNTY HOSPITAL	Baringo	70	0
		Baringo Total	88	0
Cluster 1	KABIYET SUB COUNTY HOSPITAL	Nandi	8	0
Cluster 1	KAPTUMO SUB COUNTY	Nandi	10	0
Cluster 1	KIPSIGAK DISPENSARY	Nandi	7	0
Cluster 1	NANDI HILLS COUNTY HOSPITAL	Nandi	56	0
Cluster 1	SENGANI LEVEL 2 HOSPITAL	Nandi	6	0
Cluster 1	SEREM	Nandi	6	0
		Nandi Total	93	0
Cluster 1	ELELEA SUB COUNTY HOSPITAL	Turkana	3	0
Cluster 1	IRC REFUGEE MAIN HOSPITAL	Turkana	16	0
Cluster 1	KAIKOR HEALTH CENTRE	Turkana	5	0
Cluster 1	KAINUK HEALTH CENTRE	Turkana	3	0
Cluster 1	KAKUMA MISSION HOSPITAL	Turkana	9	0
Cluster 1	Kanamkemer Sub County Hospital	Turkana	30	0
Cluster 1	KATABOI HEALTH CENTRE	Turkana	1	1

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 1	KENYA REDCROSS KALOBEYEI HOSPITAL	Turkana	11	0
Cluster 1	LOKICHAR SUBCOUNTY HOSPITAL	Turkana	3	0
Cluster 1	LOKIRIAMA HEALTH CENTRE	Turkana	2	0
Cluster 1	LOKITAUNG SUB COUNTY HOSPITAL	Turkana	12	0
Cluster 1	LORUGUM SUB COUNTY HOSPITAL	Turkana	8	0
Cluster 1	LOWARENG AK HEALTH CENTRE	Turkana	4	0
		Turkana Total	107	1
Cluster 1	ELGEYO BORDER DISPENSARY	Uasin Gishu	29	0
Cluster 1	KATUIYO HEALTH CENTRE	Uasin Gishu	15	0
Cluster 1	KIPLOMBE HEALTH CENTRE	Uasin Gishu	19	0
Cluster 1	SAMBUT DISPENSARY	Uasin Gishu	6	0
		Uasin Gishu Total	69	0
Cluster 1	CHEPARERIA SUB COUNTY HOSPITAL	West Pokot	2	0
Cluster 1	COUNTY SCHOOL OF GOVERNMENT COVID -19 ISOLATION CENTRE	West Pokot	0	0
Cluster 1	KACHELIBA SUB COUNTY HOSPITAL	West Pokot	2	0
Cluster 1	KAPENGURIA COUNTY REFERRAL HOSPITAL	West Pokot	18	0
Cluster 1	ORTUM MISSION HOSPITAL	West Pokot	16	0
Cluster 1	SIGOR SUB COUNTY HOSPITAL	West Pokot	2	0
		West Pokot Total	40	0
Cluster 2	KAPLONG MISSION HOSPITAL	Bomet	6	2
Cluster 2	KOIWA LEVEL 4 HOSPITAL	Bomet	18	0
Cluster 2	LONGISA HOSPITAL	Bomet	21	0
Cluster 2	TENWEK HOSPITAL	Bomet	24	3
		Bomet Total	69	5
Cluster 2	AINAMOI HEALTH CENTRE	Kericho	52	0
Cluster 2	KERICHO LEVEL 4 HOSPITAL	Kericho	34	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 2	Kipketer Dispensary	Kericho	29	0
Cluster 2	UNILEVER CENTRAL HOSPITAL	Kericho	17	4
		Kericho Total	132	4
Cluster 2	BONDENI SUB COUNTY HOSPITAL	Nakuru	48	0
Cluster 2	GILGIL SUB COUNTY HOSPITAL	Nakuru	2	0
Cluster 2	LANGA LANGA HOSPITAL	Nakuru	32	0
Cluster 2	NAIVASHA HOSPITAL	Nakuru	10	2
Cluster 2	NAKURU COUNTY REFERRAL HOSPITAL	Nakuru	20	4
Cluster 2	PGH Nakuru Annex	Nakuru	60	4
		Nakuru Total	172	10
Cluster 2	Baraka Hospital	Narok	11	2
Cluster 2	EMURUA DIKIRR HEALTH CENTRE	Narok	1	0
Cluster 2	LOLGORIAN SUB COUNTY HOSPITAL	Narok	2	0
Cluster 2	NAIRREGIE ENKARE HEALTH CENTRE	Narok	10	0
Cluster 2	NAROK COUNTY REFERRAL HOSPITAL	Narok	11	0
Cluster 2	OLOLULUNGA COVID ISOLATION CENTRE	Narok	12	0
Cluster 2	TRANSMARA WEST SUB COUNTY HOSPITAL	Narok	9	0
		Narok Total	56	2
Cluster 3	KANDIEGE SUB COUNTY	Homa Bay	70	0
Cluster 3	MALELA SUB COUNTY HOSPITAL	Homa Bay	20	0
Cluster 3	NYAGORO SUB COUNTY	Homa Bay	30	0
Cluster 3	NYANGIELA SUB COUNTY	Homa Bay	20	0
Cluster 3	OBER SUB COUNTY HOSPITAL	Homa Bay	40	0
Cluster 3	PALA KOGUTA SUB COUNTY	Homa Bay	30	0
Cluster 3	TOM MBOYA SUB COUNTY	Homa Bay	30	0
		Homa Bay Total	240	0
Cluster 3	KISII TEACHING AND REFERRAL HOSPITAL	Kisii	250	15

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
		Kisii Total	250	15
Cluster 3	AHERO SUB COUNTY HOSPITAL	Kisumu	4	0
Cluster 3	CHULAIMBO SUB COUNTY	Kisumu	2	0
Cluster 3	GITA SUB COUNTY HOSPITAL	Kisumu	5	0
Cluster 3	JARAMOGI OGINGA ODINGA TEACHING AND REFERRAL HOSPITAL	Kisumu	84	3
Cluster 3	KISUMU COUNTY REFERRAL HOSPITAL	Kisumu	10	0
Cluster 3	KMTC Kisumu Quarantine Centre	Kisumu	80 Quarantine Beds	0
Cluster 3	KOMBEWA SUB COUNTY HOSPITAL	Kisumu	6	0
Cluster 3	NYAHERA SUB COUNTY HOSPITAL	Kisumu	2	0
Cluster 3	NYAKACH SUB COUNTY HOSPITAL	Kisumu	6	0
		Kisumu Total	119	3
Cluster 3	KEGONGA DISTRICT HOSPITAL	Migori	28	0
Cluster 3	NYATIKE SUB COUNTY REFERRAL HOSPITAL	Migori	183	0
		Migori Total	211	0
Cluster 3	BOMBANGI HEALTH CENTRE	Nyamira	5	0
Cluster 3	BOMBANGI HEALTH CENTRE	Nyamira	5	0
Cluster 3	IGENA ITAMBE HEALTH CENTRE	Nyamira	50	0
Cluster 3	NYAMIRA COUNTY REFERRAL HOSPITAL	Nyamira	20	5
		Nyamira Total	80	5
Cluster 3	AMBIRA SUB COUNTY HOSPITAL	Siaya	41	0
Cluster 3	BONDO SUB COUNTY HOSPITAL	Siaya	10	0
Cluster 3	SIAYA COUNTY REFERRAL HOSPITAL	Siaya	0	0
		Siaya Total	51	0
Cluster 4	NAIROBI WOMEN'S HOSPITAL, RONGAI BRANCH	Kajiado/Nairobi	24	10
		Kajiado/Nairobi Total	24	10

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 4	AGA KHAN UNIVERSITY HOSPITAL, NAIROBI	Nairobi	100	11
Cluster 4	AVENUE HOSPITAL	Nairobi	15	7
Cluster 4	BAHATI HEALTH CENTER	Nairobi	0	0
Cluster 4	Dagoretti High School- QUARANTINE	Nairobi	335 Quarantine	0
Cluster 4	HIGHWAY SECONDARY SCHOOL- QUARANTINE	Nairobi	135 Quarantine	0
Cluster 4	KASARANI HEALTH CENTER	Nairobi	0	0
Cluster 4	KENYA WATER INSTITUTE- QUARANTINE	Nairobi	54 Quarantine	0
Cluster 4	KENYATTA NATIONAL HOSPITAL	Nairobi	134	7
Cluster 4	KENYATTA UNIVERSITY TEACHING & REFERRAL HOSPITAL	Nairobi	476	24
Cluster 4	KIBERA SOUTH HEALTH CENTRE	Nairobi	11	0
Cluster 4	MAMA LUCY KIBAKI HOSPITAL	Nairobi	0	0
Cluster 4	MATER HOSPITAL	Nairobi	18	2
Cluster 4	MBAGATHI DISTRICT HOSPITAL	Nairobi	17	0
Cluster 4	MOI GIRLS HIGH SCHOOL NAIROBI- QUARANTINE	Nairobi	368 Quarantine	0
Cluster 4	MP SHAH	Nairobi	24	6
Cluster 4	MUTUINI DISTRICT HOSPITAL	Nairobi	0	0
Cluster 4	NAIROBI EAST HOSPITAL	Nairobi	5	0
Cluster 4	NAIROBI SOUTH HOSPITAL	Nairobi	24	3
Cluster 4	NAIROBI SOUTH PLAINSVIEW HEALTH CENTER	Nairobi	0	0
Cluster 4	NAIROBI WEST HOSPITAL	Nairobi	24	0
Cluster 4	Precious Blood Riruta- QUARANTINE	Nairobi	260 Quarantine	0
Cluster 4	PUMWANI NURSING SCHOOL	Nairobi	0	0
Cluster 4	The Karen Hospital	Nairobi	26	0
Cluster 4	THE NAIROBI HOSPITAL (MAIN HOSPITAL)	Nairobi	211	6
Cluster 4	UPPERHILL SECONDARY SCHOOL - QUARANTINE	Nairobi	400 Quarantine	0
		Nairobi Total	1085	66

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 5	GATUNDU LEVEL 5 HOSPITAL	Kiambu	52	0
Cluster 5	KIAMBU COUNTY COVID-19 CENTRE TIGONI	Kiambu	65	12
Cluster 5	KIAMBU LEVEL 5 HOSPITAL	Kiambu	8	0
Cluster 5	THIKA LEVEL 5 HOSPITAL	Kiambu	35	0
		Kiambu Total	160	12
Cluster 5	BARICHO HOSPITAL LEVEL 3	Kirinyaga	0	0
Cluster 5	KIANYAGA HOSPITAL LEVEL 4	Kirinyaga	0	0
Cluster 5	KIMBIMBI HOSPITAL LEVEL 4	Kirinyaga	0	0
Cluster 5	SAGANA HOSPITAL LEVEL 4	Kirinyaga	0	0
		Kirinyaga Total	0	0
Cluster 5	AIC GITHUMU MISSION HOSPITAL	Murang'a	8	0
Cluster 5	Giachanjiru Mission Hospital	Murang'a	16	0
Cluster 5	GITHUMU MISSION HOSPITAL	Murang'a	9	0
Cluster 5	KAHARO HEALTH CENTRE	Murang'a	18	0
Cluster 5	KANGEMA SUB COUNTY HOSPITAL	Murang'a	9	0
Cluster 5	KENNETH MATIBA EYE AND DENTAL HOSPITAL	Murang'a	4	0
Cluster 5	KENOL PRIVATE HOSPITAL	Murang'a	6	0
Cluster 5	KIRIANI MISSION HOSPITAL	Murang'a	6	1
Cluster 5	KMTC MURANGA	Murang'a	50 Quarantine	0
Cluster 5	MURANGA COUNTY REFERRAL HOSPITAL	Murang'a	10	35
		Murang'a Total	86	36
Cluster 5	AGRICULTURAL TRAINING CENTRE	Nyandarua	0	0
Cluster 5	BAMBOO HEALTH CENTRE	Nyandarua	15	0
Cluster 5	ENGINEER COUNTY HOSPITAL	Nyandarua	66	0
Cluster 5	JM REFERRAL HOSPITAL	Nyandarua	0	0
Cluster 5	NGANO HEALTH CENTRE	Nyandarua	0	0
Cluster 5	NORTH KINANGOP CATHOLIC HOSPITAL	Nyandarua	33	2

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
		Nyandarua Total	114	2
Cluster 5	KMTC Nyeri	Nyeri	70 Quarantine	0
Cluster 5	KNH OTHAYA	Nyeri	48	0
Cluster 5	MT KENYA HOSPITAL HOSPITAL	Nyeri	10	0
Cluster 5	MUKURWEINI LEVEL 4	Nyeri	130	0
		Nyeri Total	188	0
Cluster 6	EMBU REFERRAL HOSPITAL	Embu	102	14
Cluster 6	GATEGI HEALTH CENTRE	Embu	9	0
Cluster 6	ISHIARA HOSPITAL	Embu	7	0
Cluster 6	KARURUMO RURAL HEALTH TRAINING CENTRE	Embu	20	0
Cluster 6	KIRITIRI HOSPITAL	Embu	15	0
Cluster 6	MBEERE SIAKAGO LEVEL 4	Embu	18	0
Cluster 6	RUNYENJES LEVEL 4 HOSPITAL	Embu	36	0
		Embu Total	207	14
Cluster 6	Maua Methodist Hospital	Meru	30	0
Cluster 6	MERU TEACHING AND REFERRAL HOSPITAL	Meru	52	0
Cluster 6	Nyambene Sub-County Hospital	Meru	24	0
		Meru Total	106	0
Cluster 6	CHUKA COUNTY REFERRAL HOSPITAL	Tharaka-Nithi	135	0
Cluster 6	KIBUNGA HOSPITAL	Tharaka-Nithi	11	0
Cluster 6	KOMAROCK MODERN HOSPITAL	Tharaka-Nithi	15	3
Cluster 6	MAGUTUNI HOSPITAL	Tharaka-Nithi	6	0
Cluster 6	MARIMANTI HOSPITAL	Tharaka-Nithi	6	6
Cluster 6	Mpukoni Health Centre	Tharaka-Nithi	16	0
Cluster 6	MUTHAMBI HEALTH CENTRE	Tharaka-Nithi	15	0
Cluster 6	PCEA CHOGORIA MISSION HOSPITAL	Tharaka-Nithi	22	6
Cluster 6	ST ORSALA MISSION HOSPITAL	Tharaka-Nithi	4	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
		Tharaka-Nithi Total	230	15
Cluster 7	KAJIADO COUNTY REFERRAL	Kajiado	25	10
Cluster 7	KITENGELA SUB COUNTY HOSPITAL	Kajiado	10	0
Cluster 7	NG'ATATAEK HEALTH CENTRE	Kajiado	60	0
Cluster 7	NGONG SUB COUNTY HOSPITAL	Kajiado	52	0
Cluster 7	OLE KASASI HEALTH CENTRE	Kajiado	12	0
		Kajiado Total	159	10
Cluster 7	IKUTHA SUB COUNTY HOSPITAL	Kitui	12	0
Cluster 7	KATULANI SUB COUNTY HOSPITAL	Kitui	12	0
Cluster 7	KAUWI LEVEL 4 HOSPITAL	Kitui	30	0
Cluster 7	KMTC Kitui	Kitui	40 Quarantine	0
Cluster 7	MWINGI LEVEL 4 HOSPITAL	Kitui	16	4
		Kitui Total	70	4
Cluster 7	BISHOP KIOKO HOSPITAL	Machakos	0	0
Cluster 7	BRISTON PARK HOSPITAL	Machakos	0	0
Cluster 7	KANGONDE LEVEL 3 HOSPITAL	Machakos	0	0
Cluster 7	KANGUNDO LEVEL 4 HOSPITAL	Machakos	14	0
Cluster 7	KATANGI 3 HOSPITAL	Machakos	2	0
Cluster 7	KATHIANI LEVEL 4 HOSPITAL	Machakos	24	0
Cluster 7	KENYATTA STADIUM FIELD HOSPITAL	Machakos	240	0
Cluster 7	KIMITI LEVEL 4 HOSPITAL	Machakos	9	0
Cluster 7	KINANIE LEVEL 3 FACILITY	Machakos	10	0
Cluster 7	MACHAKOS LEVEL 5 HOSPITAL ISOLATION AND CRITICAL CARE UNIT	Machakos	10	7
Cluster 7	MASINGA LEVEL 4 HOSPITAL	Machakos	6	0
Cluster 7	MATUU LEVEL 4 HOSPITAL	Machakos	4	0
Cluster 7	MITAMBONI LEVEL 3 HOSPITAL	Machakos	8	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 7	MLOLONGO LEVEL 3 HOSPITAL	Machakos	0	0
Cluster 7	MUKUNIKE COMMUNITY HOSPITAL	Machakos	8	0
Cluster 7	MUTITU LEVEL 3 HOSPITAL	Machakos	8	0
Cluster 7	MUUMANDU LEVEL 3 HOSPITAL	Machakos	8	0
Cluster 7	SHALOM COMMUNITY HOSPITAL ATHI RIVER	Machakos	12	0
Cluster 7	SHALOM COMMUNITY HOSPITAL MACHAKOS	Machakos	8	0
Cluster 7	UNIVERSAL HEALTH FAMILY SERVICES	Machakos	0	0
		Machakos Total	371	7
Cluster 7	Makindu Covid Treatment Centre	Makueni	300	0
Cluster 7	MAKUENI COUNTY AND REFERRAL HOSPITAL	Makueni	12	2
		Makueni Total	312	2
Cluster 8	GEDE HEALTH CENTRE	Kilifi	30	0
Cluster 8	JIBANA SUB COUNTY HOSPITAL	Kilifi	0	0
Cluster 8	KAMBI YA WAYA DISPENSARY	Kilifi	25	0
Cluster 8	KILIFI COUNTY MEDICAL COMPLEX	Kilifi	144	7
Cluster 8	MBUDZI HEALTH CENTRE	Kilifi	13	0
Cluster 8	MSUMARINI DISPENSARY	Kilifi	0	0
Cluster 8	SAHAJANAND ISOLATION CENTRE	Kilifi	59	0
		Kilifi Total	271	7
Cluster 8	MSAMBWENI ANNEX COVID-19	Kwale	80	4
		Kwale Total	80	4
Cluster 8	KING FAHAD COUNTY REFERRAL HOSPITAL	Lamu	13	0
		Lamu Total	13	0
Cluster 8	COAST GENERAL HOSPITAL	Mombasa	150	16
Cluster 8	TECHNICAL UNIVERSITY OF MOMBASA	Mombasa	254	0
		Mombasa Total	404	16
Cluster 8	BURA HEALTH CENTRE	Taita–Taveta	6	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 8	COAST INSTITUTE OF TECHNOLOGY	Taita–Taveta	53	0
Cluster 8	MAUNGU SUB COUNTY HOSPITAL	Taita–Taveta	8	0
Cluster 8	MGHANGE DAWIDA HEALTH CENTRE	Taita–Taveta	8	0
Cluster 8	MWATATE LEVEL 3 HOSPITAL	Taita–Taveta	16	0
Cluster 8	TAVETA SUB COUNTY HOSPITAL	Taita–Taveta	20	0
Cluster 8	WESU SUB COUNTY HOSPITAL	Taita–Taveta	16	0
		Taita–Taveta Total	127	0
Cluster 8	BURA SUB COUNTY HOSPITAL	Tana River	0	0
Cluster 8	GARSEN SUB COUNTY HOSPITAL	Tana River	0	0
Cluster 8	HOLA LEVEL 4 HOSPITAL	Tana River	18	0
Cluster 8	MOI COUNTY REFERRAL HOSPITAL	Tana River	11	0
Cluster 8	Ngao Sub County Hospital	Tana River	8	0
		Tana River Total	37	0
Cluster 9	WEBUYE ISOLATION CENTRE	Bungoma	22	0
		Bungoma Total	22	0
Cluster 9	AGRICULTURAL TRAINING CENTRE BUSIA	Busia	70	0
Cluster 9	ALUPE HOSPITAL	Busia	124	0
		Busia Total	194	0
Cluster 9	KAKAMEGA COUNTY GENERAL HOSPITAL	Kakamega	11	6
Cluster 9	LIKUYANI SUB COUNTY HOSPITAL	Kakamega	56	0
Cluster 9	MANYALA SUB-COUNTY HOSPITAL	Kakamega	72	0
Cluster 9	MAUTUMA SUB-COUNTY HOSPITAL	Kakamega	40	0
Cluster 9	MUMIAS SUB COUNTY HOSPITAL	Kakamega	122	0
		Kakamega Total	301	6
Cluster 9	BUGINA SUB-COUNTY HOSPITAL	Vihiga	18	0
Cluster 9	Hamisi Sub-County Hospital	Vihiga	25	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 9	VIHIGA COUNTY REFERRAL HOSPITAL	Vihiga	80	5
		Vihiga Total	123	5
Cluster 10	GARISSA COUNTY REFERRAL HOSPITAL	Garissa	80	0
Cluster 10	HAGADERA CAMP	Garissa	15	0
Cluster 10	Hulugho sub county hospital	Garissa	30	0
Cluster 10	IFO TWO HOSPITAL	Garissa	100	4
Cluster 10	Liboi Health center	Garissa	15	0
Cluster 10	MASALANI HOSPITAL	Garissa	15	0
Cluster 10	MODOGASHE SUB COUNTY HOSPITAL	Garissa	10	0
Cluster 10	MSF HOSPITAL DAGAHLEY	Garissa	45	0
		Garissa Total	310	4
Cluster 10	ELWAK SUB COUNTY HOSPITAL A/E COMPLEX	Mandera	86	4
Cluster 10	GARISSA ISOLATION UNIT - RHAMU	Mandera	9	0
Cluster 10	KAMOR INFECTIOUS DISEASE HOSPITAL	Mandera	68	0
Cluster 10	Kotulo isolation unit	Mandera	20	0
Cluster 10	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Mandera	68	6
Cluster 10	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Mandera	36	6
Cluster 10	TAKABA COVI-19 ISOLATION AND MANAGEMENT CENTRE	Mandera	20	0
		Mandera Total	307	16
Cluster 10	Bute Sub-County Hospital	Wajir	8	0
Cluster 10	ELDAS SUB COUNTY HOSPITAL	Wajir	4	0
Cluster 10	TARBAJ HOSPITAL	Wajir	6	0
Cluster 10	WAJIR EAST REFERRAL HOSPITAL	Wajir	12	5
Cluster 10	WAJIR NORTH BUTE HOSPITAL	Wajir	0	8
Cluster 10	WAJIR SOUTH HABASWEIN	Wajir	0	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 10	WAJIR WEST GRIFTU HOSPITAL	Wajir	8	0
		Wajir Total	38	13
Cluster 11	GAFARSA HEALTH CENTRE	Isiolo	4	0
Cluster 11	GARBATULLA SUB COUNTY HOSPITAL	Isiolo	13	0
Cluster 11	ISIOLO COUNTY TEACHING AND REFERRAL HOSPITAL	Isiolo	52	13
Cluster 11	KIMSING HEALTH CENTRE	Isiolo	2	0
Cluster 11	KINA HEALTH CENTRE	Isiolo	5	0
Cluster 11	MERTI SUB COUNTY HOSPITAL	Isiolo	9	0
Cluster 11	MODOGASHE SUB COUNTY HOSPITAL	Isiolo	3	0
Cluster 11	NARUPUU HEALTH CENTRE	Isiolo	2	0
Cluster 11	OLDONYIRO HEALTH CENTRE	Isiolo	7	0
Cluster 11	SERICHO HEALTH CENTRE	Isiolo	7	0
		Isiolo Total	104	13
Cluster 11	NANYUKI ANNEX ISOLATION HOSPITAL	Laikipia	65	0
Cluster 11	NANYUKI HOSPITAL	Laikipia	15	5
Cluster 11	NYAHURURU HOSPITAL	Laikipia	40	0
		Laikipia Total	120	5
Cluster 11	KALACHA SUB COUNTY HOSPITAL	Marsabit	5	0
Cluster 11	LAISAMIS SUB COUNTY HOSPITAL	Marsabit	11	0
Cluster 11	Marsabit County Referral Hospital	Marsabit	20	0
Cluster 11	MOYALE LEVEL 4 HOSPITAL	Marsabit	8	0
		Marsabit Total	44	0
Cluster 11	ARCHERS SUB COUNTY	Samburu	11	0
Cluster 11	BARAGOI SUB COUNTY	Samburu	4	0
Cluster 11	LAIKIPIA UNIVERSITY	Samburu	0	0
Cluster 11	MARALAL YOUTH POLYTECHNIC	Samburu	0	0

Cluster	Facility Name	County	Number of Isolation Beds	Number of ICU Beds
Cluster 11	SAMBURU COUNTY REFERRAL	Samburu	12	0
		Samburu Total	27	0
		Grand Total	7411	312

MINISTRY OF HEALTH
TECHNICAL ASSISTANCE TEAMS
TO SUPPORT COUNTY GOVERNMENTS
IN COVID 19 & UHC HEALTH SYSTEMS STRENGTHENING

Appendix D: FACILITY SCORES
Week 3 (Raw Data): August 6th 2020

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 1	Baringo	ELDAMA RAVINE	AIC ELDAMA RAVINE	Level 3A	8	0	40-59% - Fair
Cluster 1	Baringo	BARINGO CENTRAL	BARINGO COUNTY REFERRAL HOSPITAL	Level 4	10	0	60-79% - Good
Cluster 1	Baringo	MOGOTIO	MOGOTIO SUB COUNTY HOSPITAL	Level 4	70	0	40-59% - Fair
Cluster 1	Turkana	TURKANA CENTRAL	KANAMKEMER SUB COUNTY HOSPITAL	Level 3A	30	0	60-79% - Good
Cluster 1	Nandi	ALDAI	SENGANI LEVEL 2 HOSPITAL	Level 3A	6	0	40-59% - Fair
Cluster 1	Nandi	EMGWEN	KIPSIGAK DISPENSARY	Level 3A	7	0	40-59% - Fair
Cluster 2	Nakuru	NAKURU EAST	PGH NAKURU ANNEX	Level 5	60	4	60-79% - Good
Cluster 2	Nakuru	NAKURU EAST	BONDENI SUB COUNTY HOSPITAL	Level 4	48	0	40-59% - Fair
Cluster 2	Nakuru	GILGIL	GILGIL SUB COUNTY HOSPITAL	Level 3B	2	0	0 - 39% - Low
Cluster 2	Nakuru	NAIVASHA	NAIVASHA HOSPITAL	Level 4	10	2	80-100% - High
Cluster 2	Nakuru	NAKURU EAST	LANGA LANGA HOSPITAL	Level 4	32	0	60-79% - Good
Cluster 2	Nakuru		NAKURU COUNTY REFERRAL HOSPITAL	Level 5	20	4	80-100% - High
Cluster 2	Narok	NAROK NORTH	NAROK COUNTY REFERRAL HOSPITAL	Level 4	11	0	80-100% - High

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 2	Narok	NAROK EAST	NAIRREGIE ENKARE HEALTH CENTRE	Level 3A	10	0	40-59% - Fair
Cluster 2	Narok	NAROK SOUTH	OLOLULUNGA COVID ISOLATION CENTRE	Level 4	12	0	40-59% - Fair
Cluster 2	Narok	NAROK WEST	BARAKA HOSPITAL	Level 4	11	2	60-79% - Good
Cluster 2	Narok	TRANSMARA WEST	LOLGORIAN SUB COUNTY HOSPITAL	Level 4	2	0	60-79% - Good
Cluster 2	Narok	NAROK NORTH	EMURUA DIKIRR HEALTH CENTRE	Level 3A	1	0	40-59% - Fair
Cluster 2	Narok	TRANSMARA WEST	TRANSMARA WEST SUB COUNTY HOSPITAL	Level 4	9	0	80-100% - High
Cluster 2	Kericho	AINAMOI	UNILEVER CENTRAL HOSPITAL	Level 4	17	4	80-100% - High
Cluster 3	Kisumu	NYANDO	AHERO SUB COUNTY HOSPITAL	Level 4	4	0	40-59% - Fair
Cluster 3	Siaya	UGUNJA	AMBIRA SUB COUNTY HOSPITAL	Level 3B	41	0	40-59% - Fair
Cluster 3	Nyamira	NYAMIRA SOUTH	BOMBANGI HEALTH CENTRE	Level 3A	5	0	0 - 39% - Low
Cluster 3	Siaya	BONDO	BONDO SUB COUNTY HOSPITAL	Level 4	10	0	60-79% - Good
Cluster 3	Kisumu	KISUMU WEST	CHULAIMBO SUB COUNTY	Level 3A	2	0	0 - 39% - Low
Cluster 3	Kisumu	KISUMU EAST	GITA SUB COUNTY HOSPITAL	Level 3A	5	0	40-59% - Fair
Cluster 3	Nyamira	NYAMIRA SOUTH	IGENA ITAMBE HEALTH CENTRE	Level 3A	50	0	0 - 39% - Low
Cluster 3	Kisumu	KISUMU CENTRAL	JARAMOGI OGINGA ODINGA TEACHING AND REFERRAL HOSPITAL	Level 5	84	3	60-79% - Good
Cluster 3	Homa Bay	RACHUONYO NORTH	KANDIEGE SUB COUNTY	Level 4	70	0	60-79% - Good
Cluster 3	Migori		KEGONGA DISTRICT HOSPITAL	Level 3B	28	0	40-59% - Fair
Cluster 3	Kisii	KITUTU CHACHE SOUTH	KISII TEACHING AND REFERRAL HOSPITAL	Level 5	250	15	80-100% - High
Cluster 3	Kisumu	KISUMU CENTRAL	KISUMU COUNTY REFERRAL HOSPITAL	Level 4	10	0	60-79% - Good

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 3	Kisumu	KISUMU CENTRAL	KMTC KISUMU QUARANTINE CENTRE	Level 3A	80 Quarantine Beds	0	60-79% - Good
Cluster 3	Kisumu	SEME	KOMBEWA SUB COUNTY HOSPITAL	Level 3B	6	0	40-59% - Fair
Cluster 3	Homa Bay	NDHIWA	MALELA SUB COUNTY HOSPITAL	Level 3B	20	0	60-79% - Good
Cluster 3	Homa Bay	RANGWE	NYAGORO SUB COUNTY	Level 3B	30	0	60-79% - Good
Cluster 3	Kisumu	KISUMU WEST	NYAHERA SUB COUNTY HOSPITAL	Level 3A	2	0	0 - 39% - Low
Cluster 3	Kisumu	NYAKACH	NYAKACH SUB COUNTY HOSPITAL	Level 4	6	0	0 - 39% - Low
Cluster 3	Nyamira	NYAMIRA SOUTH	NYAMIRA COUNTY REFERRAL HOSPITAL	Level 4	20	5	80-100% - High
Cluster 3	Homa Bay	KASIPUL	NYANGIELA SUB COUNTY	Level 3B	20	0	40-59% - Fair
Cluster 3	Migori	NYATIKE	NYATIKE SUB COUNTY REFERRAL HOSPITAL	Level 4	183	0	60-79% - Good
Cluster 3	Homa Bay	KABONDO KASIPUL	OBER SUB COUNTY HOSPITAL	Level 3B	40	0	60-79% - Good
Cluster 3	Homa Bay	NDHIWA	PALA KOGUTA SUB COUNTY	Level 4	30	0	40-59% - Fair
Cluster 3	Siaya	ALEGO - USONGA	SIAYA COUNTY REFERRAL HOSPITAL	Level 4	0	0	0 - 39% - Low
Cluster 3	Homa Bay	MBITA	TOM MBOYA SUB COUNTY	Level 4	30	0	60-79% - Good
Cluster 4	Nairobi	EMBAKASI WEST	MAMA LUCY KIBAKI HOSPITAL	Level 4	0	0	40-59% - Fair
Cluster 4	Nairobi	MAKADARA	BAHATI HEALTH CENTER	Level 3A	0	0	0 - 39% - Low
Cluster 4	Nairobi	KAMKUNJI	PUMWANI NURSING SCHOOL		0	0	0 - 39% - Low
Cluster 4	Nairobi	DAGORETTI	MUTUINI DISTRICT HOSPITAL	Level 4	0	0	0 - 39% - Low
Cluster 4	Nairobi	STAREHE	NAIROBI SOUTH PLAINSVIEW HEALTH CENTER		0	0	0 - 39% - Low
Cluster 4	Nairobi	LANGATA	NAIROBI SOUTH HOSPITAL		24	3	80-100% - High
Cluster 4	Nairobi	RUARAK	KENYATTA UNIVERSITY TEACHING & REFERRAL HOSPITAL	Level 6B	476	24	80-100% - High

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 4	Nairobi	LANGATA	MBAGATHI DISTRICT HOSPITAL	Level 4	17	0	60-79% - Good
Cluster 4	Nairobi	LANG'ATA	KIBERA SOUTH HEALTH CENTRE	Level 3A	11	0	40-59% - Fair
Cluster 4	Nairobi	WESTLANDS	AGA KHAN UNIVERSITY HOSPITAL, NAIROBI	Level 5	100	11	80-100% - High
Cluster 4	Nairobi	WESTLANDS	AVENUE HOSPITAL	Level 4	15	7	80-100% - High
Cluster 4	Nairobi	KASARANI	KASARANI HEALTH CENTRE	Level 3A	0	0	0 - 39% - Low
Cluster 4	Nairobi	LANG'ATA	NAIROBI WEST HOSPITAL	Level 4	24	0	80-100% - High
Cluster 4	Kajiado	KAJIADO NORTH	NAIROBI WOMEN'S HOSPITAL, RONGAI BRANCH	Level 4	24	10	80-100% - High
Cluster 4	Nairobi	DAGORETTI	DAGORETTI HIGH SCHOOL		335	0	0 - 39% - Low
Cluster 4	Nairobi	PRECIOUS BLOOD RIRUTA	PRECIOUS BLOOD RIRUTA		260	0	0 - 39% - Low
Cluster 4	Nairobi		NAIROBI EAST HOSPITAL		5	0	0 - 39% - Low
Cluster 5	Kiambu	THIKA	THIKA LEVEL 5 HOSPITAL	Level 5	35	0	80-100% - High
Cluster 5	Kiambu	KIAMBU	KIAMBU LEVEL 5 HOSPITAL	Level 4	8	0	80-100% - High
Cluster 5	Kiambu	LIMURU	KIAMBU COUNTY COVID-19 CENTRE TIGONI	Level 4	65	12	80-100% - High
Cluster 5	Kiambu	GATUNDU SOUTH	GATUNDU LEVEL 5 HOSPITAL	Level 4	52	0	60-79% - Good
Cluster 5	Nyeri	NYERI CENTRAL	MT KENYA HOSPITAL HOSPITAL	Level 4	10	0	40-59% - Fair
Cluster 5	Nyeri	MUKURWE-INI	MUKURWEINI LEVEL 4	Level 4	130	0	60-79% - Good
Cluster 5	Murang'a	MARAGUA	KENNETH MATIBA EYE AND DENTAL HOSPITAL	Level 4	4	0	0 - 39% - Low
Cluster 5	Murang'a	KIHARU	KMTC MURANGA		50	0	40-59% - Fair
Cluster 5	Nyeri	NYERI SOUTH	KNH OTHAYA	Level 6A	48	0	80-100% - High
Cluster 5	Murang'a	KIHARU	MURANGA COUNTY REFERRAL HOSPITAL	Level 5	10	35	80-100% - High
Cluster 5	Murang'a	MURANGA SOUTH	KENOL PRIVATE HOSPITAL	Level 4	6	0	0 - 39% - Low
Cluster 5	Murang'a	MURANGA SOUTH	KAHARO HEALTH CENTRE	Level 3A	18	0	60-79% - Good

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 5	Murang'a	MATHIOYA	KIRIANI MISSION HOSPITAL	Level 4	6	1	60-79% - Good
Cluster 5	Murang'a	KANGEMA	KANGEMA SUB COUNTY HOSPITAL	Level 3A	9	0	0 - 39% - Low
Cluster 5	Murang'a	KANDARA	GITHUMU MISSION HOSPITAL	Level 3B	9	0	40-59% - Fair
Cluster 5	Murang'a	KANDARA	GIACHANJIRU MISSION HOSPITAL	Level 3A	16	0	60-79% - Good
Cluster 5	Nyandarua	KINANGOP	NORTH KINANGOP CATHOLIC HOSPITAL	Level 5	33	2	80-100% - High
Cluster 5	Nyeri	NYERI CENTRAL	KMTC NYERI		70	0	40-59% - Fair
Cluster 5	Nyandarua	KINANGOP	ENGINEER COUNTY HOSPITAL	Level 4	66	0	80-100% - High
Cluster 5	Nyandarua	KINANGOP	BAMBOO HEALTH CENTRE	Level 3A	15	0	40-59% - Fair
Cluster 5	Nyandarua	OLKALOU	JM REFERRAL HOSPITAL	Level 4	0	0	0 - 39% - Low
Cluster 5	Nyandarua	OL JOROROK	NGANO HEALTH CENTRE	Level 3A	0	0	0 - 39% - Low
Cluster 5	Nyandarua	OL JOROROK	AGRICULTURAL TRAINING CENTRE		0	0	0 - 39% - Low
Cluster 5	Kirinyaga	MWEA	KIMBIMBI HOSPITAL LEVEL 4	Level 4	0	0	0 - 39% - Low
Cluster 5	Kirinyaga	KIRINYAGA WEST	BARICHO HOSPITAL LEVEL 3	Level 3A	0	0	0 - 39% - Low
Cluster 5	Kirinyaga	KIRINYAGA EAST	KIANYAGA HOSPITAL LEVEL 4	Level 4	0	0	0 - 39% - Low
Cluster 5	Kirinyaga	KIRINYAGA WEST	SAGANA HOSPITAL LEVEL 4	Level 4	0	0	0 - 39% - Low
Cluster 6	Meru		MERU TEACHING AND REFERRAL HOSPITAL	Level 6A	52	0	80-100% - High
Cluster 6	Meru	IGEMBE SOUTH	NYAMBENE SUB-COUNTY HOSPITAL	Level 4	24	0	40-59% - Fair
Cluster 6	Meru	IGEMBE SOUTH	MAUA METHODIST HOSPITAL	Level 5	30	0	60-79% - Good
Cluster 6	Embu	MANYATTA SUB COUNTY	EMBU REFERRAL HOSPITAL	Level 5	102	14	80-100% - High

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 6	Embu	MBEERE NORTH	ISHIARA HOSPITAL	Level 4	7	0	60-79% - Good
Cluster 6	Embu	RUNYENJES	RUNYENJES LEVEL 4 HOSPITAL	Level 4	36	0	60-79% - Good
Cluster 6	Embu	RUNYENJES	KARURUMO RURAL HEALTH TRAINING CENTRE	Level 3A	20	0	40-59% - Fair
Cluster 6	Embu	MBEERE SOUTH	MBEERE SIAKAGO LEVEL 4	Level 4	18	0	40-59% - Fair
Cluster 6	Embu	MBEERE SOUTH	KIRITIRI HOSPITAL	Level 3A	15	0	40-59% - Fair
Cluster 6	Embu	MBEERE SOUTH	GATEGI HEALTH CENTRE	Level 3A	9	0	40-59% - Fair
Cluster 6	Tharaka-Nithi	IGAMBANG'OMBE	KOMAROCK MODERN HOSPITAL	Level 4	15	3	60-79% - Good
Cluster 6	Tharaka-Nithi	THARAKA SOUTH	ST ORSALA MISSION HOSPITAL	Level 4	4	0	40-59% - Fair
Cluster 6	Tharaka-Nithi	CHUKA	MPUKONI HEALTH CENTRE	Level 3A	16	None	40-59% - Fair
Cluster 6	Tharaka-Nithi	THARAKA SOUTH	MARIMANTI HOSPITAL	Level 4	6	6	60-79% - Good
Cluster 6	Tharaka-Nithi	THARAKA SOUTH	KIBUNGA HOSPITAL	Level 4	11	None	60-79% - Good
Cluster 6	Tharaka-Nithi	CHUKA	CHUKA COUNTY REFERRAL HOSPITAL	Level 4	135	0	80-100% - High
Cluster 6	Tharaka-Nithi	MWIMBI SUB-COUNTY (MAARA)	PCEA CHOGORIA MISSION HOSPITAL	Level 5	22	6	80-100% - High
Cluster 6	Tharaka-Nithi	MUTHAMBI	MUTHAMBI HEALTH CENTRE	Level 3A	15	0	40-59% - Fair
Cluster 6	Tharaka-Nithi	MWIMBI	MAGUTUNI HOSPITAL	Level 4	6	0	60-79% - Good
Cluster 6	Tharaka-Nithi	CHUKA/IGAMBANG'OMBE	MPUKONI HEALTH CENTRE	Level 3A	51	0	40-59% - Fair

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 6	Tharaka-Nithi	MBERE SOUTH	MBEERE SIAKAGO LEVEL 4	Level 4	18	0	40-59% - Fair
Cluster 7	Machakos	MACHAKOS	KENYATTA STADIUM FIELD HOSPITAL	Level 5	240	0	80-100% - High
Cluster 7	Kajiado	KAJIADO CENTRAL	KAJIADO COUNTY REFERRAL	Level 5	25	10	80-100% - High
Cluster 7	Machakos	MACHAKOS	BISHOP KIOKO HOSPITAL		0	0	0 - 39% - Low
Cluster 7	Machakos	MACHAKOS	UNIVERSAL HEALTH FAMILY SERVICES		0	0	0 - 39% - Low
Cluster 7	Machakos	MACHAKOS	BRISTON PARK HOSPITAL		0	0	0 - 39% - Low
Cluster 7	Machakos	MACHAKOS	MACHAKOS LEVEL 5 HOSPITAL ISOLATION AND CRITICAL CARE UNIT	Level 5	10	7	80-100% - High
Cluster 7	Kajiado	KAJIADO EAST	KITENGELA SUB COUNTY HOSPITAL	Level 4	10	0	40-59% - Fair
Cluster 7	Kajiado	KAJIADO NORTH	NGONG SUB COUNTY HOSPITAL	Level 4	52	0	40-59% - Fair
Cluster 7	Kajiado	KAJIADO NORTH	OLE KASASI HEALTH CENTRE	Level 3A	12	0	40-59% - Fair
Cluster 7	Machakos	KANGUNDO	KANGUNDO LEVEL 4 HOSPITAL	Level 4	14	0	60-79% - Good
Cluster 7	Machakos	KANGUNDO	MUKUNIKE COMMUNITY HOSPITAL		8	0	0 - 39% - Low
Cluster 7	Machakos	MACHAKOS	SHALOM COMMUNITY HOSPITAL MACHAKOS		8	0	0 - 39% - Low
Cluster 7	Kajiado	KAJIADO CENTRAL	NG'ATATAEK HEALTH CENTRE	Level 3A	60	0	40-59% - Fair
Cluster 7	Machakos	MATUNGULU	KIMITI LEVEL 4 HOSPITAL	Level 4	9	0	40-59% - Fair
Cluster 7	Machakos	KATHIANI	MITAMBONI LEVEL 3 HOSPITAL	Level 3A	8	0	0 - 39% - Low
Cluster 7	Machakos	KATHIANI	KATHIANI LEVEL 4 HOSPITAL	Level 4	24	0	40-59% - Fair

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 7	Machakos	KATHIANI	MUTITU LEVEL 3 HOSPITAL	Level 3A	8	0	0 - 39% - Low
Cluster 7	Makueni	MAKUENI	MAKUENI COUNTY AND REFERRAL HOSPITAL	Level 5	12	2	60-79% - Good
Cluster 7	Machakos	MAVOKO	KINANIE LEVEL 3 FACILITY	Level 3A	10	0	60-79% - Good
Cluster 7	Machakos	MAVOKO	MLOLONGO LEVEL 3 HOSPITAL	Level 3A	0	0	0 - 39% - Low
Cluster 7	Machakos	KALAMA	MUUMANDU LEVEL 3 HOSPITAL	Level 3A	8	0	40-59% - Fair
Cluster 7	Machakos	MAVOKO	SHALOM COMMUNITY HOSPITAL ATHI RIVER		12	0	40-59% - Fair
Cluster 7	Makueni	KIBWEZI WEST	MAKINDU COVID TREATMENT CENTRE		300	0	60-79% - Good
Cluster 7	Machakos	MASINGA	KANGONDE LEVEL 3 HOSPITAL	Level 3A	0	0	0 - 39% - Low
Cluster 7	Machakos	MAVOKO	MASINGA LEVEL 4 HOSPITAL	Level 4	6	0	40-59% - Fair
Cluster 8	Mombasa	MVITA	TECHNICAL UNIVERSITY OF MOMBASA	Level 4	254	0	80-100% - High
Cluster 8	Mombasa	MVITA	COAST GENERAL HOSPITAL	Level 5	150	16	80-100% - High
Cluster 8	Kwale	MSAMBWENI	MSAMBWENI ANNEX COVID-19	Level 5	80	4	80-100% - High
Cluster 8	Kilifi	KILIFI NORTH	KILIFI COUNTY MEDICAL COMPLEX	Level 5	144	7	60-79% - Good
Cluster 8	Kilifi	KILIFI SOUTH	SAHAJANAND ISOLATION CENTRE		59	0	60-79% - Good
Cluster 8	Kilifi	KILIFI SOUTH	MSUMARINI DISPENSARY		0	0	0 - 39% - Low
Cluster 8	Kilifi	GANZE	MBUDZI HEALTH CENTRE		13	0	0 - 39% - Low
Cluster 8	Kilifi	KALOLENI	JIBANA SUB COUNTY HOSPITAL	Level 4	0	0	0 - 39% - Low
Cluster 8	Kilifi	MAGARINI	KAMBI YA WAYA DISPENSARY		25	0	0 - 39% - Low
Cluster 8	Kilifi	KILIFI NORTH	GEDE HEALTH CENTRE	Level 3A	30	0	40-59% - Fair
Cluster 9	Kakamega	LURAMBI	KAKAMEGA COUNTY GENERAL HOSPITAL	Level 6A	11	6	80-100% - High

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 9	Kakamega	MUMIAS EAST	MUMIAS SUB COUNTY HOSPITAL	Level 4	122	0	60-79% - Good
Cluster 9	Kakamega	LUGARI	MAUTUMA SUB-COUNTY HOSPITAL	Level 4	40	0	80-100% - High
Cluster 9	Kakamega	BUTERE	MANYALA SUB-COUNTY HOSPITAL	Level 4	72	0	60-79% - Good
Cluster 9	Bungoma	WEBUYE EAST	WEBUYE ISOLATION CENTRE	Level 3B	22	0	60-79% - Good
Cluster 9	Vihiga	MBALE SUB-COUNTY	VIHIGA COUNTY REFERRAL HOSPITAL	Level 5	80	5	60-79% - Good
Cluster 9	Vihiga	SABATIA SUB-COUNTY	BUGINA SUB-COUNTY HOSPITAL	Level 4	18	0	60-79% - Good
Cluster 9	Vihiga	HAMISI	HAMISI SUB-COUNTY HOSPITAL	Level 4	25	0	60-79% - Good
Cluster 9	Kakamega	LIKUYANI	LIKUYANI SUB COUNTY HOSPITAL	Level 4	56	0	80-100% - High
Cluster 9	Busia	TEST SOUTH	AGRICULTURAL TRAINING CENTRE		70	0	40-59% - Fair
Cluster 9	Busia	TEST SOUTH	ALUPE HOSPITAL	Level 4	124	0	40-59% - Fair
Cluster 10	Mandera	MANDERA EAST	KAMOR INFECTIOUS DISEASE HOSPITAL	Level 4	68	0	80-100% - High
Cluster 10	Mandera	MANDERA EAST	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Level 4	68	6	80-100% - High
Cluster 10	Wajir	WAJIR EAST	WAJIR EAST REFERRAL HOSPITAL	Level 4	12	5	60-79% - Good
Cluster 10	Mandera	MANDERA WEST	TAKABA COVI-19 ISOLATION AND MANAGEMENT CENTRE	Level 4	20	0	60-79% - Good
Cluster 10	Mandera	MANDERA SOUTH	ELWAK SUB COUNTY HOSPITAL A/E COMPLEX	Level 4	86	4	80-100% - High
Cluster 10	Mandera	KOTULO SUBCOUNTY	KOTULO ISOLATION UNIT	Level 3B	20	0	40-59% - Fair
Cluster 10	Wajir	WAJIR SOUTH	WAJIR SOUTH HABASWEIN	Level 4	0	0	0 - 39% - Low

Cluster	County	Sub-County	Facility Name	Facility Level	Number Of Isolation Beds	Number Of ICU Beds	Summary of The Scores In The Result Areas
Cluster 10	Wajir	WAJIR NORTH	WAJIR NORTH BUTE HOSPITAL	Level 3B	0	8	0 - 39% - Low
Cluster 10	Wajir	ELDAS	ELDAS SUB COUNTY HOSPITAL	Level 3B	4	0	0 - 39% - Low
Cluster 10	Wajir	WAJIR WEST	WAJIR WEST GRIFTU HOSPITAL	Level 3B	8	0	0 - 39% - Low
Cluster 10	Wajir	TARBAJ	TARBAJ HOSPITAL	Level 3B	6	0	40-59% - Fair
Cluster 10	Wajir	WAJIR SOUTH	WAJIR SOUTH HABASWEIN	Level 4	0	0	0 - 39% - Low
Cluster 10	Wajir	WAJIR WEST	WAJIR WEST GRIFTU HOSPITAL	Level 3B	8	0	0 - 39% - Low
Cluster 10	Mandera	MANDERA EAST	MANDERA COUNTY AND REFERRAL HOSPITAL ISOLATION UNIT	Level 4	36	6	80-100% - High
Cluster 10	Mandera	MANDERA NORTH	GIRISSA ISOLATION UNIT - RHAMU	Level 3B	9	0	40-59% - Fair
Cluster 11	Laikipia	LAIKIPIA EAST	NANYUKI HOSPITAL	Level 4	15	5	40-59% - Fair
Cluster 11	Laikipia	LAIKIPIA EAST	NANYUKI ANNEX ISOLATION HOSPITAL	Level 4	65	0	40-59% - Fair
Cluster 11	Laikipia	LAIKIPIA WEST	NYAHURURU HOSPITAL	Level 5	40	0	40-59% - Fair
Cluster 11	Isiolo	ISIOLO	ISIOLO COUNTY TEACHING AND REFERRAL HOSPITAL	Level 4	52	13	80-100% - High
Cluster 11	Marsabit	SAKU	MARSABIT COUNTY REFERRAL HOSPITAL	Level 4	20	0	40-59% - Fair

MINISTRY OF HEALTH
TECHNICAL ASSISTANCE TEAMS
TO SUPPORT COUNTY GOVERNMENTS
IN COVID 19 & UHC HEALTH SYSTEMS STRENGTHENING
APPENDIX E
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Dr. Muleshe, Director Intergovernmental Relations MOH Tel 072 433436
Elijah K Song'ony, Snr. Deputy Secretary MOH Tel. 07233009100

Regional Cluster	County	Cluster Team Leader	Technical Team Members	Technical Assistant
Cluster 1; North Rift	Uasin Gishu , Trans Nzoia, West Pokot, Baringo, Nandi, Turkana, Elgeyo Marakwet	Dr. Wilson Aruasa, MBS CEO, MTRH	Dr Annah Wamae, KHHRAC Dr Rebecca Kiptui, UHC	Duncan Mwai ICT Manager, KMPDC Tel. 0724363828; d.mwai@kmpdc.go.ke
Cluster 2; South Rift	Nakuru, Narok; Kericho, Bomet,	Hanna Muriithi, CHAIR, NHIF	Dr Fred Siyoi, PPB Edna Tallam, NCK Alex Langat, KMPDC	Duncan Mwai ICT Manager, KMPDC Tel. 0724363828; d.mwai@kmpdc.go.ke
Cluster 3; Nyanza	Kisumu, Siaya; Homa Bay, Migori, Kisii, Nyamira	Dr. Willis Akhwale (MOH)	Dr. Simon Kibias, MOH Dr Jacinta Wasike, PPB	Rose Wafukho Administration Officer, KMPDC Tel. 0722431045; r.wafukho@kmpdc.go.ke

Regional Cluster	County	Cluster Team Leader	Technical Team Members	Technical Assistant
Cluster 4; Nairobi	Nairobi	Senator Kembi Gitura, CHAIR KEMSA	Dr Jackson Kioko, KHPOA Dr Mohamed Abdi, KMPDC	Agnes Jacob Customer Care Manager, KMPDC Tel. 0727753209; a.jacob@kmpdc.go.ke
Cluster 5; Central	Nyeri, Muranga, Kirinyaga, Nyandarua; Kiambu	Dr. Evanson Kamuri, CEO KNH	Dr Jonah Manjari, KEMSA Dr Pacifica Onyancha, MOH Dr. Githinji Gitahi, AMREF	Gathoni Mwangi, HR Asst. KMPDC Tel. 0722807061; g.mwangi@kmpdc.go.ke
Cluster 6; Upper Eastern	Embu, Tharaka Nithi; Meru	Dr. Peter Kamunyo, CEO NHIF	Dr Tracy Njonjo, MTRH Dr Warfa Osman, MOH Dr Alex Thurnira, KMPDU	Gathoni Mwangi, HR Asst. KMPDC Tel. 0722807061; g.mwangi@kmpdc.go.ke
Cluster 7; Lower Eastern	Machakos, Kitui; Makueni, Kajiado	Dr Angeline Yamaton Siparo, CHAIR NACC	Dr Jane Wamai, KDA Dr Richmond Omondi, MOH Dr Nduku Kilonzo, NACC	Michael Onyango Actg. Corp Secretary, KMPDC Tel. 072225427773; m.onyango@kmpdc.go.ke
Cluster 8; Coast	Mombasa, Kilifi, Kwale, Lamu, Tana River, Taita Taveta	Dr. Jacqueline Kitulu, Council Member KMPDC	Dr Laban Thiga, MOH Dr Linus Ndegwa, KDA	Michael Onyango Actg. Corp Secretary, KMPDC Tel. 072225427773; m.onyango@kmpdc.go.ke

Regional Cluster	County	Cluster Team Leader	Technical Team Members	Technical Assistant
Cluster 9; Western	Kakamega, Vihiga, Busia, Bungoma	Mr. George Ooko, CHAIR KNH	Dr David Kariuki, MOH Dr Waqo Ejersa, MOH Dr Bernard Ogutu, KEMRI	Rose Wafukho Administration Officer, KMPDC Tel. 0722431045; r.wafukho@kmpdc.go.ke
Cluster 10: North Eastern	Garissa, Wajir, Mandera	Dr. Gerald Macharia, VP Clinton Health Access Initiative (CHAI)	Dr Bashir M Issack, MOH Dr Nasri Omar, MOH Dr Nicholas Mwaura, PPB	John Mburu HR Manager, KMPDC Tel. 0721212989; j.mburu@kmpdc.go.ke
Cluster 11: Central Rift & Upper Eastern	Laikipia, Samburu, Isiolo, Marsabit	Prof. Philip Kaloki, CHAIR KMTC	Dr Charles Kandie, MOH Dr. W Ochieng Oguta, PPB	John Mburu HR Manager, KMPDC Tel. 0721212989; j.mburu@kmpdc.go.ke