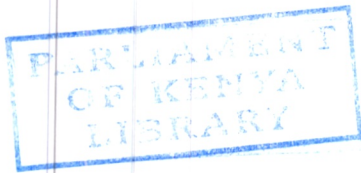
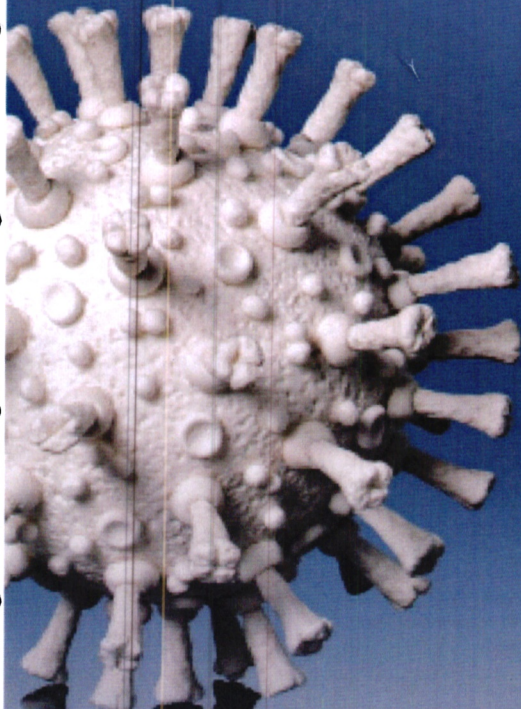


SCANNED.



**SPECIAL AUDIT REPORT OF THE AUDITOR-GENERAL  
ON  
COVID 19 VACCINE ROLL OUT  
FOR  
KAKAMEGA COUNTY  
AS AT 31 MARCH 2022**

PAPERS LAID	
DATE	11 <sup>TH</sup> OCT 2022
TABLED BY	SENATE MAJORITY LEADER
COMMITTEE	—
CLERK AT THE TABLE	M. ADJIBODOU



June 2022

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## LIST OF ABBREVIATIONS

The following abbreviations are used in this Report

Abbreviation	Full Name
eLMIS	Electronic Logistics Management Information System
FIFO	First In, First Out
GOK	Government of Kenya
HR	Human Resource
MOH	Ministry of Health
NVS	National Vaccine Store
RVS	Regional Vaccine Stores
SCVS	Sub County Vaccine Store
ULT	Ultra-Low Temperatures
WHO	World Health Organization

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## **1.0 EXECUTIVE SUMMARY**

### **1.1. Background and Introduction**

The Auditor-General carried out a Special Audit on the efficiency and effectiveness of Covid-19 vaccines roll-out in Kenya. The Audit covered the period from inception of the vaccination exercise in March 2021 to 31 March 2022. The primary objective of the audit was to determine the efficiency and effectiveness of the Covid-19 vaccines rollout in the Forty-Seven (47) Counties. This report, however, specifically covers the audit performed for the Covid-19 vaccines rollout in Kakamega County. The audit involved the review of budget, sources of the vaccines, storage, distribution, utilization and disposal of the vaccines, human resource financing, coordination of players, monitoring and supervision.

The Government of Kenya commissioned use of the Chanjo System to manage the Covid-19 vaccines rollout and utilized the existing immunization structures for other routine vaccines.

### **1.2. Audit Scope, Limitations and Mitigation**

The audit reviewed all processes relating to Covid-19 vaccines immunization which included budgeting, administration, disposal of the expired stocks, governance, and monitoring structures.

Challenges experienced during the audit included lack of definition of most of the vaccinating facilities in the Chanjo System and inadequacy and incomplete vaccine inventory records. The audit Team put in place several measures to mitigate the challenges including expanding the scope to near 100% coverage of the vaccinating facilities in the County.

### **1.3. Audit Approach and Methodology**

The Audit exercise entailed planning, piloting of the vaccine roll-out audit in one of the Counties, before rolling out to the rest of the 47 Counties. Meetings were held with the auditee and evidence was collected through interviews, document reviews, Data Analytics, analysis of audit evidence, among others. The audit was performed using International Standards of Supreme Auditing Institutions (ISSAIs).

## **1.4. Report Summary**

### **1.4.1. Doses received and Administered**

Kakamega County received 870,019 doses of various types of vaccines during the period under review. Out of the total Covid-19 Vaccine doses received in the County, 734,469 doses were administered, while 39,225 vaccine doses were still in stock as at the time of the audit cutoff date of 31 March, 2022. The balance of 96,325 vaccine doses comprised of expired, damaged and an unexplained deficit variance of 59,235 doses as at 31 March, 2022.

### **1.4.2. Budget**

A review of the Kakamega County health services budget for the 2021/2022 financial year revealed that the County did not budget for the Covid-19 vaccination activities but instead used the budget for routine immunization to cater for the rollout exercise.

### **1.4.3. Sources and Distribution of Vaccines**

The source of vaccines to the County was from the National Government through the Kakamega Regional Store. The distribution flow was from Regional Store, to the Sub County Stores and to the facilities which administered the vaccines.

### **1.4.4. Storage of Vaccines**

The Kakamega Regional and Sub County Stores complied to some extent with the storage conditions set out by MOH for Covid-19 Vaccines. However, weaknesses were noted in the storage at the facilities, including inadequate storage equipment and temperature monitoring tools.

### **1.4.5. Disposal of Vaccines**

The Special Audit noted that a total of 42,951 vaccine doses had expired, were damaged or had gone to waste. Out of 42,951 vaccine doses 12,886 had been disposed with other hospital waste while the balance of 30,065 vaccine had been returned to the Regional Store.

### **1.4.6. Human Resource Matters**

The financing for health care personnel was to be funded by the Government of Kenya, Donors and development partners. Kakamega County Management explained that their trainings were undertaken through the assistance of the development partners. However,

there were no proper records of documentation maintained for the trainings undertaken or provided.

#### **1.4.7. Coordination of players**

The coordination of the exercise was done by the Kakamega County Covid-19 Vaccine Deployment and Vaccination Task Force. However, the appointment letters and the minutes of the Task Force were not provided for audit review.

#### **1.4.8. Monitoring and Supervision**

The Audit established that COVID –19 Vaccines roll out was monitored and supervised by a Committee to ensure smooth implementation of policies and guidelines issued from time to time by the National Government. However, the Committee did not maintain minutes and attendance schedules to evidence their activities.

#### **1.4.9. Conclusions and Recommendation**

The audit concluded that the roll-out of the Covid-19 Vaccines was effective. However, weaknesses were noted in some of the processes, including failure to budget for the rollout activities, practical adherence to waste disposal regulations, inadequate staff and training at the facilities and inadequate access to the Chanjo System due to lack of data bundles to the staff updating information in the system. This impacted on the real time recording of information in the Chanjo System and an unexplained variance (deficit) of 59,235 of vaccine doses valued at Kshs 32,041,655 based on the average Vaccine cost during the period.

The existing immunization structures for routine vaccines were functional but require scale up to handle unforeseen pandemics. Owing to the weaknesses noted it is recommended that the Kakamega County Government should work closely with the National Government to strengthen the existing immunization structures and staffing to meet international standards.

## 2.0 BACKGROUND AND INTRODUCTION

Kenya received its first consignment of Astra Zeneca-Oxford Covid-19 vaccine in March 2021 as part of the COVAX facility. This was followed by more vaccines of Moderna, Johnson & Johnson (Janssen), Pfizer and Sinopharm from other development partners. The Ministry of Health (MOH) launched a campaign and kicked off the deployment plan for the Covid-19 vaccines roll out on 5 March, 2021 with priority being given to frontline health workers and essential staff including security personnel. According to the National Covid-19 vaccine deployment plan, the first vaccine plan was developed in March 2021 and was subsequently revised by the MOH in August 2021 in an effort to cover the entire adult population in the country.

Kakamega County received its first consignment of 6,000 Astra Zeneca-Oxford Covid-19 vaccines in March 2021, through the Kakamega Regional Vaccines Store. The vaccine doses were first administered at Kakamega County General Hospital before being rolled out to the facilities in the twelve (12) Sub Counties. As at 31 March 2022 the Special Audit Team established that the County had received 870,019 vaccines doses as tabulated below:

Type of Vaccine	Number of Doses
Moderna	69,710
Janssen (Ad26.COV2_S)	265,115
Oxford/AstraZeneca	267,070
Pfizer	268,124
<b>Total</b>	<b>870,019</b>

### 2.1 Objective of the Audit

The primary objective of the audit was to determine the efficiency and effectiveness of the Covid-19 vaccine rollout in Kakamega County. This was achieved through; review of budget, sources of the vaccines, storage, distribution, utilization and disposal of the vaccines, human resource, coordination of players, monitoring and supervision.

### 2.2 Terms of Reference

The following Terms of Reference (TOR) guided the Special Audit;

**Table 1– Terms of Reference**

TOR	Detailed Procedures
1. Budget	<ul style="list-style-type: none"> <li>• How much was set aside for vaccines and related activities and how the figures were arrived at</li> <li>• Budget approval process</li> <li>• Allocation of the funds i.e. specific budget items</li> <li>• Source of funds i.e. GOK and Donors</li> </ul>
2. Sources of Vaccines	<ul style="list-style-type: none"> <li>• GOK Procured vaccines, development partners donations and COVAX</li> <li>• Procurement process for GOK procured vaccines</li> <li>• Local and international approval of vaccines and syringes</li> <li>• Types and quantities of the vaccines from the different sources; and the vaccine shelf life and prices where applicable</li> <li>• Consider whether vaccines came with syringes or not and the effect</li> <li>• Vaccine Batch Numbers</li> <li>• Storage of defective vaccines/expired</li> <li>• Recording of vaccines</li> <li>• Government clearance process for vaccines sourced from outside the country</li> <li>• WHO rating of effectiveness of various vaccines.</li> <li>• Cost vs budget</li> </ul>
3. Storage of Vaccines	<ul style="list-style-type: none"> <li>• Manufacturer’s requirements for storage of vaccines</li> <li>• Local storage capacity</li> <li>• Local storage conditions</li> <li>• Handling requirements</li> <li>• Transportation requirements</li> <li>• Recording including batch numbers</li> <li>• Stocking levels, process of issuing of vaccines as well as duration</li> <li>• Recording and accountability</li> <li>• Duration in store</li> <li>• Storage of defective vaccine and Syringes</li> <li>• Cost Vs Budget</li> </ul>
4. Distribution	<ul style="list-style-type: none"> <li>• How vaccines were distributed; logistics</li> <li>• Quantities of vaccines distributed</li> <li>• Proportion of vaccines distributed per region</li> <li>• Basis of quantities and proportions distributed e.g. population</li> <li>• Storage issues</li> </ul>

TOR	Detailed Procedures
	<ul style="list-style-type: none"> <li>• Recording and accountability</li> <li>• Cost vs budget</li> </ul>
5. Utilization	<ul style="list-style-type: none"> <li>• Awareness creation</li> <li>• Intended/ target population</li> <li>• Uptake per vaccine type</li> <li>• Rate of transition from first to second dose</li> <li>• Possibility of delayed administration of second dose</li> <li>• Matters relating to booster doses</li> <li>• Expired vaccines</li> <li>• Recording and accountability for vaccines received, utilized in stock and expired</li> <li>• Cost vs budget</li> </ul>
6. Disposal	<ul style="list-style-type: none"> <li>• Number of vaccines disposed</li> <li>• Criteria for disposal</li> <li>• Recording and accountability for the disposal</li> <li>• Reports and feedback</li> <li>• Reconciliation of what was procured, utilized, unused and disposals</li> <li>• Costs vs budgets</li> </ul>
7. Human Resource Matters (National and County Staff)	<ul style="list-style-type: none"> <li>• Number of persons involved</li> <li>• Roles and responsibilities</li> <li>• Expertise (capacity/skills)</li> <li>• Duplication of roles if any</li> <li>• Selection and appointment criteria</li> <li>• Training Plans and Roll Out</li> <li>• Costs vs budgets</li> </ul>
8. Coordination of players	<ul style="list-style-type: none"> <li>• Who are the key players?</li> <li>• Are the roles and responsibilities of the players clear?</li> <li>• Is there a framework for coordination and communication by the players?</li> <li>• Approval and appointment of taskforce and committees</li> <li>• Costs vs budgets</li> </ul>
9. Monitoring and supervision	<ul style="list-style-type: none"> <li>• Is there a framework for monitoring and supervision of players?</li> <li>• Approval and appointment of taskforce and committees</li> <li>• Costs vs budgets</li> </ul>

## **2.3 Scope of the Audit and Limitations**

### **2.3.1 Scope**

The audit reviewed all processes from the inception of Covid-19 vaccines roll out, through budgeting to administration and disposal including the governance and monitoring structures. The period covered was from inception in March 2021 to 31 March, 2022.

### **2.3.2 Limitations**

The Special Audit experienced challenges and limitations which were mitigated in several ways in order not to negatively affect the quality and results of the audit findings. Some of the challenges and measures taken included:

- i. A total of 142 out of 163 vaccinating facilities in the Kakamega County were not defined in the Chanjo Kenya System.

This called for 100% coverage of physical verification of records, stocks and visits to all facilities.

- ii. Further, 11 out of 12 Sub County Stores were also not defined in the Chanjo system while the vaccines moved direct from the Regional Store to one main facility per Sub County that distributes off the system.

This also called for 100% coverage of physical verification of records, stocks and visits to all facilities.

- iii. Accuracy and completeness of inventory records

The Audit Team corroborated information in the physical records such as order sheets and vaccines stock ledgers with information in the Chanjo System.

- iv. Three (3) out of twelve (12) Sub County facilities did not maintain separate vaccines stocks ledgers from the Sub County Stores. This necessitated the Audit Team to take longer in understanding the processes and operations so as to reach an understanding on how to account for all the vaccines received at the Sub County.

The Audit Team had to also use the data from the forms used for vaccines receipts, utilization and balances at the individual facility while reconciling it with the Chanjo System.

## **2.4 Audit Approach and Methodology**

The Special Audit Team held entry and exit meetings with the County Health Management Team on 9 May, 2022 and 2 June, 2022 respectively. During the entry meeting, uniform and detailed work plans were developed and adopted which were then applied in the execution of the audit. The following were the main evidence gathering methods applied during the audit execution:

#### 2.4.1 Document Review

To effectively plan for the audit and as a source of audit evidence, the Audit Team reviewed various documents including the vaccine order sheets, vaccine stock ledgers, various training reports, outreaches, co-ordination activities and seizure/destruction forms.

#### 2.4.2 Analytical Review

The Audit Team extracted the vaccine data from the Chanjo System and carried comparative analysis with records at the regional stores and vaccinating facilities.

#### 2.4.3 Physical Verification

The Audit Team carried out physical verifications in the twelve (12) Sub County Stores and 163 vaccinating facilities in the County as detailed in **Appendix 1**

#### 2.4.4 Interviews

The Audit Team interviewed senior officers from the Kakamega County Government to clarify the various issues to assist in making an informed report as detailed below:

**Table 2 - Interviews**

	Name	Organization	Designation
1.	Linet Elamenya	Kakamega County	County Acting Director Health
2.	Rapher Mwenesi	Kakamega County	County EPI Logistician
3.	Dorothy Binayo	Kakamega County	Deputy County EPI Logistician
4.	Micheal Nyongesa	Kakamega County	Regional Vaccines Store Manager
5.	Clause Ihachi	Kakamega County	County Health Records Officer
6.	Dr. Emmanuel Kurgat	Kakamega County	County Pharmacovigilance In-charge
7.	Winny Mapesa	Kakamega County	County General Hospital ICT Officer
8.	Tabitha Kiberenge	Kakamega County	County Health Promotion Officer

#### 2.5 Audit Phases

The audit was divided into Two Phases; Phase One involved review of processes at The National Treasury, Office of the Controller of Budget and Ministry of Health. It also involved analysis of data maintained in eMIS, Chanjo System and Kenya Health Information System. The information was then shared with the Audit Teams to inform the next audit phase.

Phase Two involved review of processes, data and verifications at Kakamega Regional Store, Sub County Stores and the vaccinating facilities in the County. This Phase also involved verification and interview of staff.

## **2.6 Report Structure**

This report is presented in the following format:

- i. Executive Summary,
- ii. Background and Introduction,
- iii. Detailed Findings,
- iv. Irregularities and Weaknesses in Management and Controls of Vaccines in Institutions
- v. Recommendations
- vi. Appendices

The report should be read in its entirety in order to comprehend fully the approach to and findings of our work. The report has covered analysis and facts as understood with the aim of informing The National Treasury and the Ministry of Health of the status of the Vaccines roll out in the Country bearing in mind the challenges and limitations experienced.

### 3.0 DETAILED FINDINGS

#### 3.1 Budget and Sources of Vaccines

##### 3.1.1. Unconfirmed Funding of Covid-19 Vaccination Activities

A review of the County's health services budget for the 2021/2022 financial year revealed that the County did not budget for the Covid-19 vaccination activities. Covid-19 vaccination costs, including transportation, training and capacity building and procurement of auxiliary services such as syringes and safety boxes could not, therefore, be traced to a specific budget, an indication that they were not budgeted for. This was contrary to Regulations 29. (1) of the Public Finance Management (County Governments) Regulations, 2015 which states that the accounting officer shall ensure that the draft estimates relating to her or his department are prepared in conformity with the Constitution, the Act and these Regulations. Management however, indicated that the expenditures were met by partner organizations, but this was not supported by way of any documentary evidence such as agreements.

##### 3.1.2. Sources of Vaccines

The County received 870,019 vaccines between March 2021 and 31 March 2022 from the National Government. A review of the County's Health Services Budget for the 2021/2022 financial year revealed that there were no provisions for the Covid-19 vaccine roll out. Further, the Special Audit revealed the following anomalies as summarized below and detailed in **Appendix 2**:

**Table 3 – Sources of Vaccines**

Observation/Findings	Number of Compliant Sub Counties	Number of Compliant Counties	Non-Sub
Failure to budget for associated Covid-19 vaccination costs, including transportation, training and procurement of auxiliary services such as syringes and safety boxes.	0	12	
Lack of budgetary support for Covid-19 from donors/National government.	N/a	N/a	
Failure to spent budgetary support on Covid-19 vaccination.	0	12	
Failure by the Sub County/Facility to finance Distribution of Vaccines,	0	12	

Observation/Findings	Number of Compliant Sub Counties	Number of Non-Compliant Sub Counties
Outreaches, Trainings costs related to COVID- 19 vaccination.		

### 3.2. Storage of Vaccines

According to World Health Organization (WHO) Guidelines (Covid-19 vaccination: supply and logistics guidance, 12 February 2021) the Covid-19 vaccines should be stored as follows:

- Pfizer should be maintained at -80 °C to -60 °C in Ultra Low Temperatures (ULT) freezer, and for Undiluted thawed vaccine at +2 °C to +8 °C
- Moderna should be maintained at -25 °C to -15 °C in ULT freezer, and unopened vials can be stored refrigerated between 2 °C to 8 °C for up to 30 days prior to first use.
- Oxford/AstraZeneca should be maintained at 2 °C to 8 °C
- Further, Centre for Disease Control (CDC) clinical guidance for Janssen Covid-19 Vaccine recommend storing of the vaccine at temperatures between 2°C and 8°C.

The storage conditions applied to the Regional, Sub- County and Facility Stores. However, visits to the stores revealed that five facilities in Mumias East Sub County did not have refrigeration facilities. The facilities therefore, collected vaccines from the Sub County Stores every morning and returned the unused ones in the evening. The vaccines would be transported and stored in vaccine carriers with reconditioned ice-packs that did not have thermometers to monitor compliance with the required temperature range.

#### 3.2.1. Storage at the County and Sub- Counties Stores

A review of documents provided for audit and physical verification carried out at the 12 Sub-Counties stores revealed issues as summarized below in table 4 and detailed in **Appendix 3.**

Further Kakamega County did not have a store of its own. Consequently, the twelve Sub-Counties collected vaccines directly from the Regional Store.

**Table 4 – Storage at the County and Sub County Stores**

Observations/Findings	Number of Compliant Sub-County Stores	Number of Non-Compliant Sub-County Stores
<b>Cold Chain and Supply Logistics</b>		
Store, has sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access	12	0
Store has sufficient space for orderly receipt, warehousing, and dispatch of vaccines including a quarantine area for isolation when necessary, isolation of faulty packs and recalled goods. The vaccines and areas concerned were appropriately identified.	12	0
Broken or damaged items are withdrawn from usable stock and stored separately	12	0
There was sufficient lighting necessary to enable all operations to be carried out accurately and safely.	12	0
All Covid-19 vaccines stored off the floor	12	0
Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person.	12	0
The vaccines issued on a FIFO method and guided by the expiry date	12	0
There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach	12	0
<b>General Storage Areas</b>		
There were secure measures to ensure that rejected vaccines cannot be used. Rejected vaccines are stored separately from other products while awaiting destruction or return to the supplier	12	0
There are written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas.	6	6
There was a cleaning log that must be completed, signed, and checked by the appropriately designated person.	1	11
There was a written procedure and a program for pest control. The pest control agents used did not pose any risk of contaminating the vaccines. There was a site flow plan indicating where the bait stations are situated.	1	11
There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination	2	10

Observations/Findings	Number of Compliant Sub-County Stores	Number of Non-Compliant Sub-County Stores
The covid-19 vaccines were stored in such a way as to prevent contamination or cross-contamination.	12	0
<b>Storage Conditions</b>		
The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.)	12	0
The warehouse was maintained at a temperature not exceeding 30 °C, and relative humidity not exceeding 75% Relative humidity (WHO zone IVb requirements) at all times.	5	7
The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations [Refrigerated (2°C to 8°C)]	12	0
There were continuous temperature monitoring devices. In addition, there were written procedures describing the action in case of temperature deviating outside of the set standards and conditions.	12	0
The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers	12	0

From the foregoing, the Special Audit Team confirmed that Kakamega Sub County Stores did not have adequate written procedures on sanitation, pest control and maintenance of cleaning logs was found to be insufficient.

### 3.2.2. Storage at the Facilities Level

A review of documents provided for audit and physical verifications carried out at the 163 facilities revealed issues as summarized in tables 5 below and detailed in **Appendix 4**.

**Table 5 – Storage at the Facilities Level**

Observations/Findings	Number of Compliant Facilities	Number of Non-Compliant Facilities
<b>Cold Chain and Supply Logistics</b>		
Store has sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access	158	5
Broken or damaged items are withdrawn from usable stock and stored separately	158	5
There was sufficient lighting necessary to enable all operations to be carried out accurately and safely.	158	5
All Covid-19 vaccines stored off the floor	157	6

Observations/Findings	Number of Compliant Facilities	Number of Non-Compliant Facilities
Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person.	134	29
The vaccines issued on a FIFO method and guided by the expiry date	160	3
There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach	157	6
<b>General Storage Areas</b>		
There were Secure measures to ensure that rejected vaccines cannot be used. Rejected vaccines are stored separately from other products while awaiting destruction or return to the supplier	158	5
There are written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas.	15	148
There was a cleaning log that must be completed, signed, and checked by the appropriately designated person.	15	148
There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination	57	106
<b>Storage Conditions</b>		
The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C))	158	5
There were continuous temperature monitoring devices. In addition, there were written procedures describing the action in case of temperature deviating outside of the set standards and conditions.	158	5
The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers	159	4

In view of the above, the Special Audit Team confirmed that a significant number of Kakamega Covid-19 vaccinating facilities did not have written procedures on sanitation, clean-up of any spillage and maintenance of cleaning logs.

### 3.3. Distribution of Vaccines

#### 3.3.1. Distribution at County Level

Documents provided for audit revealed that Covid-19 Vaccines on arrival in the Country ideally should be transferred to the Central Stores which in turn distributes to the Regional Stores. The Regional Stores were then to distribute to the County Stores, which in turn distributes to Sub County Stores and to Facilities. However, this was not the case for Kakamega County.

The County does not have a County Store; the Vaccines are dispatched directly from the Regional Store in the Chanjo System to parent facilities in 11 out of 12 Sub-counties. Physically however, the vaccines were received by the Sub County Stores. The Sub County Stores, though defined in the Chanjo system, did not receive vaccines in their own name, but received them in the name of the parent facility at the Sub County. Lurambi Sub County was the only Sub County Store that received vaccines on Chanjo System in its own name; however, all the receipts were immediately dispatched to Kakamega County General Hospital.

All dispatches from the parent to other facilities under it, were done manually through order sheets, and recorded in vaccines stock ledger books of dispatching and receiving facilities, with the exception of Navakholo Sub County, which dispatched to its facilities on Chanjo System.

The 870,019 vaccines received in Kakamega County as at 31 March, 2022 were distributed as summarized below in Table 6 and detailed in **Appendix 5**:

**Table 6 – Distribution at County Level**

Vaccine Type	Distributed to County Stores	Distributed to Kakamega Sub-County Stores (Lurambi )	Distributed to Facilities in Kakamega (including facilities in Lurambi)	Variance between Sub-County and Facilities Distribution	Explanation for the Variance
Moderna	N/A	10,248	69,710	(59,462)	The variance is as a result of the distribution being done directly to the facilities, bypassing Subcounty Stores in 11 out of 12 Sub Counties
Janssen		27,900	265,115	(237,215)	
Oxford/AZ		36,836	267,070	(230,234)	
Pfizer		22,740	268,124	(245,384)	
<b>Total</b>		<b>97,724</b>	<b>870,019</b>	<b>(772,295)</b>	

According to the National Policy Guidelines on Immunization, 2013, storage and transportation of vaccines and diluents, at all stages of vaccine transportation, a cold chain monitor must always accompany all vaccines whether in cold boxes, vaccine carriers or portable fridges and the temperature reading must be maintained between +2°C and +8°C,

including age of conditioned ice packs. Diluents need not be transported at +2°C to +8°C unless they are being transported for outreach activities.

The Special Audit revealed that 4 out of 12 Sub County Stores and 50 out of 163 vaccinating facilities failed to monitor temperature during transportation of the vaccines. As a result, it may not be possible to ascertain if the temperatures deviated from the specified range.

### 3.4. Utilization of Vaccines

Ordinarily, Covid-19 vaccines flow through four levels before being administered; National Vaccine Store (NVS), Regional Vaccine Stores (RVS), Sub County Vaccine stores (SCVs) and Health Facilities. Utilization of vaccines including Covid-19 vaccines takes place at vaccinating facility.

Examination of records maintained in the Chanjo System revealed that as at 31 March, 2022; 870,019 vaccine doses had been received in the County.

Documents provided for audit revealed that there were 163 vaccinating facilities, with only 21 facilities having been mapped in the Chanjo system.

Out of the 870,019 Covid-19 vaccine doses received, 734,469 vaccine doses were administered, 39,225 were in stock while the balance of 42,951 was either expired, damaged or had gone to waste as at 31 March, 2022 as summarized below in Table 7 and detailed in **Appendix 6**. There was however an unexplained deficit variance of 59,325 vaccines doses.

**Table 7 – Utilization of Vaccines**

Vaccine Type	Doses Received	Doses Administered	Doses In Stock	Doses Expired	Doses Damaged	Doses Wasted	Unexplained Variance Doses	Estimate Price per Dose (Kshs)	Total Amount (Kshs)
Janssen	265,115	233,558	33,207	5,605		(1,304)	(5,951) <sup>1</sup>	753	(4,481,204)
Moderna	69,710	53,064	-	1,882		4,348	10,416	505	5,260,584
Oxford/AstraZeneca	267,070	222,722	3,931	11,200	10	2,432	26,775	446	11,947,576
Pfizer	268,124	225,125	2,087	11,378		7,400	22,134	670	14,833,495
<b>Total</b>	<b>870,019</b>	<b>734,469</b>	<b>39,225</b>	<b>30,065</b>	<b>10</b>	<b>12,876</b>	<b>59,325</b>		<b>32,041,655</b>

<sup>1</sup> -Denotes positive variances attributed to vaccine gains during administration.

#### 3.4.1. Administered Doses

The Chanjo System indicates that a total of 736,500 doses had been administered in the County between 1 March, 2021 and 31 March, 2022. The vaccine doses administered are as summarised below:

Vaccine Type	First Doses	Second Doses	Booster Doses	TOTAL
Janssen (Ad26.COV2-S)	233,672	1 <sup>2</sup>	48	233,721
Moderna	35,784	16,881	365	53,030
Oxford/AstraZeneca	130,216	91,254	1,430	222,900
Pfizer	173,702	49,775	3,372	226,849
<b>Total</b>	<b>573,374</b>	<b>157,911</b>	<b>5,215</b>	<b>736,500</b>

<sup>2</sup> The records pulled from the Chanjo Systems indicates a second vaccine dose for Janssen. It could not be established how a second dose of the Vaccine could be recorded in Chanjo System as it is a single dose vaccine.

The disparity between the administered doses of 734,669 in the trackers used during audit and the administered doses from the Chanjo System of 736,500 for the same period (1 March, 2021 and 31 March, 2022) was traced to retrospective entries of vaccinations into the System.

#### 3.4.2. Expired Doses

These are vaccine doses that had not been administered by the manufactures use by date indicated on the vials totalling to 30,065 doses. None had been disposed off by the time of the Special Audit in May 2022. Expired doses from the facilities were reported to have been sent to Sub County Stores, which in turn transported the same to the Regional Vaccines Store.

The Special Audit Team noted that out of the 30,065 expired vaccine doses, 7,130 were received by various facilities when the vaccines were remaining with a useful shelf life of only 3 to 55 days.

Batch	Date of Receipt	Batch Expiry Date	Days to Expiry	Vaccine Doses
210216	25 February 2022	28 February 2022	3	130
210216	23 February 2022	28 February 2022	5	2,510
ACB3580	10 February 2022	28 February 2022	18	170
210216	9 February 2022	28 February 2022	19	600
ACB3580	12 February 2022	28 February 2022	16	950
ACB3580	4 February 2022	28 February 2022	24	2,400
ACB3580	4 January 2022	28 February 2022	55	370
<b>TOTAL</b>				<b>7,130</b>

#### 3.4.3. Damaged Doses

These were vaccines that were not administered as the vaccine vials had been damaged. All the 10 damaged vaccine doses in Kakamega County had been disposed off by the time of the Special Audit in May 2022.

#### 3.4.4. Wasted Doses

These were vaccine doses that were not administered due to failure to utilize within the stipulated timelines upon opening of the vial. 12,876 vaccine doses were reported as

wasted in the County and had been disposed off by the time of the Special Audit in May 2022.

#### **3.4.5. Unexplained Vaccine Variances**

Documents provided for audit revealed that 870,019 vaccine doses received in the County. However, reconciliation of the vaccines received, administered, in stock, expired, damaged and wasted revealed an unexplained deficit variance of 59,325 doses valued at Kshs 32,041,655. Further, Janssens Vaccine indicated a positive variance of 5,951 doses mainly attributed to gains during the vaccine administration.

The following weakness observed during the audit that could have contributed to the unexplained deficit variance: -

- a. Wastages not reported at the facilities,
- b. Vaccines doses utilized during the outreaches or in facilities not defined in the Chanjo System may not have been subsequently updated, and
- c. Vaccination data was not entered accurately, causing over-administration in some batches and under-administration in others.

#### **3.5. Disposal of Vaccines**

The Special Audit noted that a total of 30,065 expired doses had not been disposed off as at the time of the audit. However, 12,886 damaged and wasted vaccine doses had been disposed off.

A review of documents provided for audit revealed non-compliance with the disposal requirements as per Section 6.1 of the WHO Standard Operating Procedures (SOP) on waste management of COVID-19 vaccine vials and ancillary supplies. The procedure states that any used or discarded Covid-19 vaccine vials **MUST** be collected safely and separately from the rest of the waste. Both the empty vials and those with remaining vaccine doses discarded at the end of the daily vaccination activity shall be collected and safely stored until they are collected for final treatment and disposal. These vials should be counted and recorded by the responsible team for the purpose of vaccination activity analysis (e.g. utilization, coverage, wastage, etc.). Further, Section 6.6 provides that neutralized Covid-19 vaccine vials can be safely disposed in a manner that is not accessible or reusable, and neither being an environmental nor a health threat. The findings on disposal of vaccines are as summarized below in Table 8 and detailed in **Appendices 7 and 8**.

**Table 8– Disposal of Vaccines**

Observation/Findings	Sub County Stores		Facilities	
	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Lack of a developed waste management plan	9	3	163	0
Lack of budget for disposal of Covid-19 waste	1	11	12	151
Lack of NEMA clearance when transporting Covid-19 waste from one county to another or from one region to another for stores without a NEMA approved Waste Disposal Site.	N/a	N/A	N/a	N/A
Failure to record or to account for vaccine vials in the vaccine inventory report	9	3	101	62
Failure by the County/Store to fill any application form for disposal of pharmaceutical waste issued by the Pharmacy and Poisons Board in compliance with the Guidelines for safe management of pharmaceutical waste.	12	0	N/a	N/A
Failure to dispose in a NEMA approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste	0	12	0	163
Disposal of pharmaceutical waste without supervision by a Pharmacy and Poisons Board inspector OR Public Health Officer in compliance with the Guidelines for safe management of pharmaceutical waste.	0	12	152	11
Disposing without a certificate of safe disposal of pharmaceutical waste in compliance with the Guidelines for secure management of pharmaceutical waste	N/a	N/A	152	11
Disposing pharmaceutical waste without separating from the sharp waste and other healthcare wastes and the different wastes not securely packaged in plastic bags or rigid	N/a	N/A	164	0

Observation/Findings	Sub County Stores		Facilities	
	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
containers which are clearly labelled as per the the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply				
Disposal of vaccine vials (both wasted and expired) by the Healthcare facility without following the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply (requirement is Treatment by disinfection with solution, encapsulation, autoclaving or inertization)	N/a	N/A	10	153
Failure to have a pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical	N/a	N/A	163	0
Lack of an incinerator, burning chamber or burning pit.	N/a	N/A	160	3

In the circumstance, the undisposed expired vaccines may pose a health risk to the general public and the health officers. Further, the audit revealed that disposal of the 12,886 of the damaged and wasted vaccines in 153 out of the 163 facilities did not comply with the guidelines provided by WHO on waste management of used Covid-19 vaccines vials and ancillary supply. Further, 3 of the 12 Sub County Stores and 62 of the 163 vaccinating facilities failed to record or account for vaccines vials in the vaccine inventory report.

### 3.6. Human Resource Matters

#### Training at County Level

The health care workers were to be trained and were required to be competent on; knowledge on Covid-19 disease; knowledge and skills in Covid-19 Vaccine demand creation, health facility preparation, safe vaccine administration, infection control practices, patient data management, adverse event reporting and management, documentation and

monitoring of vaccine utilization and logistics, communication, waste management, mental health and multi-disciplinary team work.

Immediately after the Covid-19 vaccines were rolled out, trainings for different levels of personnel in the National and County Governments were conducted. Kakamega County Health Management team indicated that trainings in all the twelve (12) Sub Counties were undertaken through the support of Partners. However, other than the budget allocations by County and Sub County no other supporting documentation was provided for audit review to support partnership agreements.

The County And Sub Counties provided supporting documentation including the training plan, training timetable, venue, and the attendance lists.

A review of the documents provided for audit revealed anomalies as summarized below and detailed in **Appendices 9 and 10.**

**Table 9 – Training at County Level**

Observation/Findings	Sub County Stores		Facilities	
	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
County and Sub- Counties were not represented in National training for ToT.	0	12	N/a	N/A
Counties and Sub- Counties Health Management Team not trained on Covid-19 immunization	12	0	162	1
Trainings not well spread to all necessary cadres	12	0	N/a	N/A
Lack of a training plan and trainings not done as per training plan	12	0	N/a	N/A
Lack of a specific training budget for COVID -19 immunization	12	12	N/a	N/A
Variance between budget and actual expenditure for training on Covid-19 vaccination.	12	12	N/a	N/A
Lack of details including designation, attendance dates, financier of staff at national/county/Sub County/facility	12	0	163	0
Lack of adequate staff to carry out the Covid-19 vaccination	N/a	N/A	58	105

Observation/Findings	Sub County Stores		Facilities	
	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Lack of separation of roles and duties	N/a	N/A	155	8
Lack of prior training on COVID – 19 including vaccine administration	N/a	N/A	162	1
Failure to use trained staff to train other staff	N/a	N/A	97	66

In the foregoing, the Special Audit Team could not establish the adequacy of Human Resources engagement in the Covid-19 vaccines roll out programme.

### 3.7. Coordination of players

#### Coordination at County Level

According to the National Covid-19 Vaccine Deployment Plan 2021, the County Emergency Covid-19 Response Committee were to be adopted to form the Steering Committee. A review of documents provided for audit at the Counties, Sub- Counties and Facilities revealed anomalies as summarized below and detailed in **Appendices 11, 12 and 13**

**Table 10 – Coordination at County Level**

Observation/Findings	County	Sub County Stores		Facilities	
	Non-Compliance in County	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Failure to form coordination taskforce/committee	0	10	2	N/a	N/A
Task force /committee without terms of reference (TOR)	0	6	6	N/a	N/A
Failure to comply with the TORS	0	6	6	N/a	N/A
Lack of directives/advisory/instruction from higher levels in the COVID – 19 Vaccine management	0	12	0	163	0
Lack of upward/downward communication in COVID – 19 Vaccine Roll out	0	12	0	163	0
Lack of committee meetings	0	9	3	N/a	N/A

Observation/Findings	County	Sub County Stores		Facilities	
	Non-Compliance in County	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Failure to carry out advocacy	0	12	0	163	0
Failure to carry out mobilization	0	12	0	161	2
Failure to carry out mobilization outreaches	0	12	0	159	4

From the foregoing, six out of twelve Sub Counties which had a co-ordination task force did not have any documentation on the Terms of Reference, thus it was not possible to establish compliance.

### 3.8. Monitoring and Supervision

#### Monitoring and Supervision at the County and Facilities Level

A review of documents provided for audit at the various levels of COVID – 19 management revealed anomalies as summarized in Table 11 below and detailed in **Appendices 14, 15 and 16.**

**Table 11-Monitoring and Supervision at the County and Facilities Level**

Observation/Findings	County		Sub County Stores		Facilities	
	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Lack of a designated officer as an in charge for monitoring COVID-19 vaccine roll out	0	1	12	0	N/a	N/A
Lack tablets from the Ministry	1	0	12	0	66	97
Tablet not in good working conditions	0	1	10	2	48	115
Personnel involved in the rollout not facelifted by air time	0	1	6	6	47	116
Lack of mechanism/measures where patients could report	1	0	12	0	163	0

Observation/Findings	County		Sub County Stores		Facilities	
	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
adverse effect after vaccination						
Lack of Adverse effect booklet etc. that are required to report adverse effects	0	0	12	0	157	6
Failure to monitor temperature during transportation of vaccines	N/a	N/A	8	4	113	50
Failure to record temperature every morning and evening in the temperature monitoring chart/tool	N/a	N/A	12	0	160	3
Failure to monitor for the expiry of the vaccines	N/a	N/A	12	0	161	2
Failure to monitor the Pfizer and Moderna vaccines for the 30 days expiry period after thawing	N/a	N/A	12	0	157	6

In view of the above, the facilities failed to monitor temperatures during transportation of vaccines and as a result it was not be possible to ascertain deviations beyond the acceptable standards set by WHO. Further, of the 163 facilities, 66 facilities had received tablets from the MOH for use in recording vaccine receipts and administration. Of the 66 facilities that had received the tablets, only 48 facilities reported their tablets as functional and being put into use. 116 facilities reported not having received the monthly airtime. Similarly, the 12 Sub County Stores had each received tablets from MOH but only ten were in good working condition. Six of the twelve Sub Counties personnel indicated not having received the monthly airtime.

Consequently, there was inconsistency in the release of the monthly airtime for the tablets in the facilities and the Sub Counties.

#### 4.0 IRREGULARITIES AND WEAKNESSES IN MANAGEMENT AND CONTROLS OF VACCINES IN INSTITUTIONS

##### Irregularities and Weaknesses at the County and Sub County Level

The following irregularities and weaknesses and the corresponding recommendations were observed by the Special Audit at the Kakamega County and Sub County levels.

**Table 12 – Irregularities and Weaknesses at the County and Sub County Level**

	<b>Irregularities and Weaknesses</b>	<b>Recommendations</b>
1.	Inconsistent use and delays in updating of the Chanjo System.	Proper accountability of vaccines receipts, issues and utilization should be done through consistent use and updating in Chanjo System
2.	Most of the facilities that were not define in the Chanjo system were using eLMIS which is not the official system for the Covid-19 vaccine roll out and vaccine doses management. Consequently, there were notable inaccuracies and incomplete records	We recommend use of the Chanjo System to account for covid-19 vaccines. For those facilities not in Chanjo System, we recommend that they are defined for accountability purposes.
3.	Inadequate staffing of the vaccinators who at times doubled up to register the people being vaccinated	The County Government should have adequate number of staff in their health facilities to meet the increasing demand for the services
4.	The health records information officers/data clerks would at times feed in the system wrong batch numbers and wrong dates for vaccine administration. There would be instances of late data entries leading to loss of data where the information captured manually was not clear.	The County should do follow-ups or reviews of work done by the officers to improve service delivery. Data should be captured on a real or near real time basis in the Chanjo system.
5.	Lack of proper inventory records on the tablets in regard to distribution up to the facility level and condition of the tablets.	The County Government should maintain proper and up-to-date inventory records on the tablets under custody of the County and undertake regular maintenance.

## 5.0 CONCLUSION

The objective of the Special Audit was to determine the efficiency and effectiveness of the Covid-19 vaccine roll out in Kakamega County. Following the findings, the County should ensure that all vaccinating facilities are defined in the Chanjo System, and effective supervision of the activities at the County, Sub County and facilities on all matters relating to receipts, issues and administering of vaccines is instituted. The above weaknesses resulted in an unexplained variance (deficit) of 59,235 of vaccine doses valued at Kshs 32,041,655 based on the average Vaccine cost during the period.

The County should also adhere to the cold chain and supply logistics guidelines as issued by WHO and MOH. In order to meet the increasing demand for health service, there is need to continuously assess the adequacy of health workers and build their capacity for effective service delivery to the citizens of Kakamega County.

  
CPA Nancy Gathungu, CBS  
AUDITOR-GENERAL

24 June, 2022

Nairobi

## 6.0 APPENDICES

### Appendix 1: Vaccinating Facilities in Kakamega County

Sub County	Sub County Store	Facilities Under Sub County	Defined In Chanjo System
Mumias West Sub County	Mumias Level IV Hospital	Mumias Level 1v Hospital	Yes
		George Mudenyoo	No
		Bukaya Health Centre	No
		Bungasi Health Centre	No
		Eshikalame Dispensary	No
		Eshikulu Dispensary	No
		St Marys Hospital	No
		Model Health Centre	No
Navakholo Sub County	Navakholo Sub County Hospital	Navakholo Sub County Hospital	Yes
		Sivilie Health Centre	Yes
		Budonga Dispensary	Yes
		Namirama Dispensary	Yes
		Bushiri Health Centre	Yes
		Buchango Dispensary	Yes
		Natunyi Dispensary	Yes
		Kharanda Health Centre	Yes
		Ematiha Dispensary	Yes
		Ingotse Dispensary	Yes
Shinyalu Sub County	Shinyalu Model Health Centre	Chief Milimo Dispensary	No
		Chirobani Dispensary	No
		Ikuywa Dispensary	No
		Ileho Health Centre	No
		Ivocho Dispensary	No
		Kakamega Forest Dispensary	No
		Kambiri Health Centre	No
		Lyson Manyatta Med & Lab Services	No
		Mugomari Dispensary	No
		Mukumu Hospital	No
		Musembe Dispensary	No
		Shamakhubu Health Centre	No
		Shikusi Dispensary	No
		Shinyalu Model Health Centre	Yes
Vikunga Dispensary	No		
Mumias East Sub County	Makunga Health Centre	Makunga Health Centre	No
		Lusheya Health Centre	No
		Khaunga Health Centre	No
		Mung'ang'a Health Centre	No
		Kamashia Health Centre	No
		Malaha Dispensary	No

Sub County	Sub County Store	Facilities Under Sub County	Defined In Chanjo System
		Nyaporo Dispensary	No
		Elwasambi Dispensary	No
		Elwakana Dispensary	No
		Eluche Dispensary	No
		Shianda Dispensary	Yes
Likuyani Sub County	Likuyani Sub County Store	Likuyani Sub County Hospital	Yes
		Matunda Sub County Hospital	No
		Mabusi Health Centre	No
		Kongoni Health Centre	No
		Sango Dispensary	No
		Turbo Forest Dispensary	No
		Seregea Dispensary	No
		Lumino Dispensary	No
		Soysambu Dispensary	No
		Nyortis Dispensary	No
		Mlimani Dispensary	No
		Sinoko Dispensary	No
Lugari Sub County	Lumakanda County Hospital	Lumakanda County Hospital	Yes
		Mautumaa Sub County Hospital	No
		Matete Health Centre	No
		Chekalini Health Centre	No
		St Charles Lwanga Dispensary	No
		Mbagara Dispensary	No
		Mukuyu Dispensary	No
		Lunyito Dispensary	No
		Lugari Forest Dispensary	No
		Mahanga Dispensary	No
		Musembe Dispensary	No
		Maturu Dispensary	No
		Nzoia Matete Dispensary	No
		Vuhika Dispensary	No
		Lumani Dispensary	No
		Munyuki Dispensary	No
		NYS Dispensary	No
Kwisero Sub County	Kwisero Health Centre	Khwisero Health Centre	Yes
		Elwangale Health Centre	No
		Eshinutsa Health Centre	No
		Emalindi Health	No
		Eshibinga Health Centre	No
		Eshiabwali Health Centre	No
		Namasoli Health Centre	No
		Mulwanda Health	No

Sub County	Sub County Store	Facilities Under Sub County	Defined In Chanjo System
		Emutsesa Health Centre	No
		Muhaka Health Centre	No
		Mwihila Mission Hospital	No
		Ekambuli Health Centre	No
		Mundolwa Health Centre	No
		Ebuhala Health Centre	No
Lurambi Sub County	Lurambi Sc Epi Store	KCGH Hospital	Yes
		Approved Dispensary	No
		Elukhambi Dispensary	No
		Elwesero Dispensary	No
		Emukaba Dispensary	No
		Emusanda Health Centre	No
		Shiyunzu Dispensary	No
		GK Prison	No
		Isumba Dispensary	No
		Matioli Dispensary	No
		Nabongo Dispensary	No
		Mutsakulu Dispensary	No
Butere Sub County	Butere County Hospital	Butere County Hospital	Yes
		Manyala Sub County Hosp	No
		Shikunga H/C	No
		Mabole H/C	No
		Shisaba H/C	No
		Eshibimbi H/C	No
		Imanga H/C	No
		Iranda H/C	No
		Shibembe H/C	No
		Lukoye H/C	No
		Bululwe H/C	No
		Mung'ung'une Dispensary	No
		Shiraha H/C	No
		Shitsitswi H/C	No
		Eshimukoko Disp	No
Ikolomani Sub County	Ikolomani Epi Store	Iguhu County Hospital	Yes
		Shibwe Sub County Hospital	No
		Kilingili Health Center	No
		Shiseso Health Centre	No
		Savana Dispensary	No
		Imalaba Dispensary	No
		Shihalia Dispensary	No
		Shikumu Dispensary	No

Sub County	Sub County Store	Facilities Under Sub County	Defined In Chanjo System
		Imulama Dispensary	No
		Buyemi Dispensary	No
		Shikokho Dispensary	No
		Shirumba Dispensary	No
		Milimani Dispensary	No
		Shichinji Dispensary	No
		St Pius Mus	No
		Murudef Private	No
Matungu Sub County	Matungu Store	Dvi Matungu Sub County	Yes
		Khalaba H/C	No
		Lunganyiro H/C	No
		Mirere H/C	No
		Namulungu Dispensary	No
		Namasanda H/C	No
		Shibanze Dispensary	No
		Lutasio H/C	No
		Mungungu Dispensary	No
		Lubunga Dispensary	No
		Itete Dispensary	No
		Indangalasia Dispensary	No
		Bliss	No
		St Angela	No
Malava Sub County	Malava Hospital	C. Malava C. Hospital	Yes
		Chombeli Model H/C	No
		Kuvasali H/C	No
		Shamberere H/C	No
		Shivanga H/C	No
		Manda Dispensary	No
		Namagara Dispensary	No
		Tombo Dispensary	No
		Mukhuyu Dispensary	No
		Kimangeti Dispensary	No
		Sulungai Dispensary	No
		Chebwai Dispensary	No
		Ikhanyi Dispensary	No
		Mugai Dispensary	No
		Chevoso Dispensary	No
Shihome Dispensary	No		
Kamchisu Dispensary	No		
Mayuge Dispensary	No		
Chegulo Dispensary	No		

## Appendix 2: Budget at County and Sub County Level – Kakamega County

County / Sub County	B1	B2	B3	B4	B5	B6	B7	B8
Kakamega County	No	Yes	Yes	No	No	No	No	No
Butere	No	Yes	Yes	No	No	No	No	No
Ikolomani	No	Yes	Yes	No	No	No	No	No
Lugari	No	Yes	Yes	No	No	No	No	No
Likuyani	No	Yes	Yes	No	No	No	No	No
Lurambi	No	Yes	Yes	No	No	No	No	No
Mumias East	No	Yes	Yes	No	No	No	No	No
Mumias West	No	Yes	Yes	No	No	No	No	No
Matungu	No	Yes	Yes	No	No	No	No	No
Navakholo	No	Yes	Yes	No	No	No	No	No
Malava	No	Yes	Yes	No	No	No	No	No
Shinyalu	No	Yes	Yes	No	No	No	No	No
Khwisero	No	Yes	Yes	No	No	No	No	No
<b>Compliant</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Non-Compliant</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>

### KEY/DETAILS:

<b>B1</b>	Was the associated Covid-19 vaccination costs, including transportation, training and procurement of auxiliary services such as syringes and safety boxes, budgeted for?
<b>B2</b>	Did the county receive any Covid-19 related budgetary support from donors/National government?
<b>B3</b>	Did the county spend on Covid-19 vaccination?
<b>B4</b>	Did the Sub County/Facility finance the following costs related to Covid-19 vaccination;
<b>B5</b>	i) Distribution of Vaccines/
<b>B6</b>	ii) Outreaches
<b>B7</b>	iii) Trainings
<b>B8</b>	iv) Acquisition of auxiliary facilities (Temperature monitoring tools, Adverse effect reporting booklet, Needles etc.) ?

### Appendix 3: Storage at Sub County Level – Kakamega County

Sub County	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19
Butere	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes
Ikolomani	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes	Yes
Lugari	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes	Yes
Likuyani	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Lurambi	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes
Mumias East	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Mumias West	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes
Matungu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Navakholo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes
Malava	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Shinyalu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Khwisero	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Compliant</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>12</b>	<b>12</b>	<b>5</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>Non-Compliant</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### KEY/DETAILS:

<b>S1</b>	Does the building have sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access?
<b>S2</b>	Is there sufficient space for orderly receipt, warehousing, and dispatch of vaccines? In particular, a quarantine area for isolation when necessary, including isolation of faulty packs and recalled goods? (The vaccines and areas concerned should be appropriately identified.)
<b>S3</b>	Are the Broken or damaged items withdrawn from usable stock and stored separately?
<b>S4</b>	Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely?
<b>S5</b>	Are all Covid-19 vaccines stored off the floor?

<b>S6</b>	Are Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed?(The signal should permit resetting only by the authorized person.)
<b>S7</b>	Are the vaccines issued on a FIFO method and guided by the expiry date?
<b>S8</b>	Is there a contingency plan put in place in case of power failure, equipment breakdown, or cold chain breach?
<b>S9</b>	Are there Secure measures to ensure that rejected vaccines cannot be used? Are they stored separately from other products while awaiting destruction or return to the supplier?
<b>S10</b>	Are there Written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas?
<b>S11</b>	Is there a cleaning log that must be completed, signed, and checked by the appropriately designated person?
<b>S12</b>	Is there a written procedure and a program for pest control? Do the pest control agents used pose any risk of contaminating the vaccines? (A site flow plan indicating where the bait stations are situated must be available.)
<b>S13</b>	Are there appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination?
<b>S14</b>	Are the Covid-19 vaccines stored in such a way as to prevent contamination or cross-contamination?
<b>S15</b>	Are the storage conditions compatible with the storage conditions specified on their labels? (Storage facilities should protect goods from deterioration.)
<b>S16</b>	Are the warehouse maintained at a temperature not exceeding 30 °C, and relative humidity not exceeding 75% Relative humidity (WHO zone IVb requirements) at all times?
<b>S17</b>	Are the storage conditions of the refrigerators per the vaccine manufacturer's recommendations? (Refrigerated (2°C to 8°C))
<b>S18</b>	Are there continuous temperature monitoring devices? If Yes, are there Written procedures describing the action in case of temperature deviating outside of the set standards and conditions?
<b>S19</b>	Dose the county have any stock in the Cold Room? If Yes perform Physical count of dozes in the cold room (Grouped per vaccine and Batch X.) and populate the remarks and hyperlink in the remarks column a paper tabulating the results of the count.

Appendix 4: Storage at Facility Level – Kakamega County

Sub County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
Shinyalu	Chief Milimu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Chilobani Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Ikuywa Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Ileho Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Ivochio Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Kakamega Forest	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Kambiri Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lyson Manyatta Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Magomari Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Mukumu Mission Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Navakholo	Musembe Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shamakhubu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Shikusi Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shinyalu Model Health	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Vikunga Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Buchangu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Budonga Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes
	Bushiri Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Ematiha Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Ingotse Mission Health	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lurambi	Kharanda Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Namirama Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Natunyi Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Navakholo Subcounty	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Sivilie Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Approved Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Elukhambi Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Elwesero Health centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Emukaba Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Sub County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
	Emsanda Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	GK Prison Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Isumba Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Kakamega County General	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Matioli Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes
	Matsakulu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Nabongo Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Shiyunzu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
Butere	Butere County Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Iranda Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Lukohe Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Mabole Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Manyala SCH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Bulilwe Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Eshibimbi Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Eshimukoko Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Imanga Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Mungungune Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Shibembe Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shikunga Model Health	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Shiraha Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Shitswsi Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shisaba Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
Ikolomani	Buyemi	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes
	Ighu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Imalaba	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes
	Imulama	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Kilingili	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes
	Millimani	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Murudef	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Savane	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes

Sub County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
	Shibwe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shichini	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shihalia	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shikokho	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shikummu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shirumba	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Shiseso	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	St Pius Musoli FBO	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
Khwisero	Ebuhala Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Ekambuli	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Elwangale HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Emalindi HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Emutsesa	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Eshabwali	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Eshibinga HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Eshintsa Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Khwisero Sub County	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Muhaka HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mulwanda	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mundobelwa Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mwihila Mission	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Namasoli Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lumino Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Milimani Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Nyorotis Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Kongoni HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Sango Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Seregeya Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Mabusli Health centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Matunda Subcounty	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Likyani SCH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes

Sub County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
	Soysambu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Turbo Forest Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Sinoko Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Lugari	Chekalini	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Lugari Forest Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lumakanda County Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Lumani Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lunyito Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Mahanga Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Matete Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes
	Maturu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mautuma Sub County	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Mbagara Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Mukuyu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Munyuki Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Musembe Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	NYS Turbo Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Nzioa Matete Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	St. Charles Lwanga	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Vuyika Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Malava	Chebwai Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Chelugo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Chevosso Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Chombeli Model HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Ikhanvi Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Kamusichu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Kimangeti Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Kuvasali Health centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Malava SCH	No	No	No	No	No	No	No	No	No	No	No	No
	Manda dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Mayuge Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Sub County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
	Mugai Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mukhyu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Namagara Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Shameberere Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Shihome Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Shivanga Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Sulungai Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Tombo Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
Matungu	Bliss Medical Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Indangalasia Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Itete Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Khalaba Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lubanga Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Lunganyiro Model health	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lutasio Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Matungu Sub County	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mirere Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Mung'ungu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Namasanda Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Namulungu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Shibanze Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	St. Angela Medical Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Mumias East	Eluche Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Elwakana Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Elwasambi	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Kamashia Health C	No	No	No	No	No	Yes	No	Yes	No	No	No	No
	Khaunga Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Lusheya Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Makunga	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Malaha	No	No	No	No	No	No	No	No	No	No	No	No
	Munganga Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Sub County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
	Nyaporo Dispensary	No	No	No	No	No	Yes	No	No	No	No	No	No
	Shianda Health Centre	No	No	No	No	No	No	No	No	No	No	No	No
Mumias West	Bukaya Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Bungasi Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Eshikalame Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Eshikulu Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	George Mudanya Kadima	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mumias Level 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Mumias Model HC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	St. Mary's Mission Hospital	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
<b>Compliant</b>		158	158	158	157	134	160	157	158	15	57	158	158
<b>Non-Compliant</b>		5	5	5	6	29	3	6	5	148	106	5	5

#### KEY/DETAILS:

ST1	Is the refrigerator well secured to prevent unauthorized access?
ST2	Were broken or damaged items withdrawn from usable stock and stored separately?
ST3	Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely?
ST4	Are all Covid-19 vaccines (Fridge) stored off the floor?
ST5	Is the Refrigerator is fitted with signals to indicate that refrigeration has failed? (The signal should permit resetting only by the authorized person.)
ST6	Are the vaccines issued on a FIFO method and guided by the expiry date?
ST7	Is there a contingency plan in case of power failure, equipment breakdown, or cold chain breach
ST8	Are there measures to ensure that rejected vaccines cannot be used? (They should be stored separately from other products while awaiting destruction or return to the supplier)
ST9	Are there Written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas (There should be a chart on the wall that i signed after every cleaning and a poster giving cleaning instructions)
ST10	Are there appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination?
ST11	Are the storage conditions of the refrigerators per the vaccine manufacturer's recommendations? (Refrigerated (2°C to 8°C))
ST12	Is there Continuous temperature monitoring devices? If yes, are there Written procedures describing the action in case of temperature deviating outside of the set standards and conditions?

Appendix 5 – Receipts at Kakamega County Facilities as at 31 March 2022

Vaccine	Sub County	Facility	Total Doses
Janssen (Ad26.COv2-S)	Butere	Butere County Hospital	15,300
	Ikolomani	Iguhu County Hospital	9,400
	Khwisero	Khwisero Health Centre	16,200
	Likuyani	Likuyani Sub County Hospital	22,000
	Lugari	Lumakanda County Hospital	29,200
	Lurambi Sub County	Kakamega County General Hospital	27,900
	Malava	Malava County Hospital	42,000
	Matungu	Matungu Sub County Hospital	25,800
	Mumias East	Shianda Health Centre	15,500
	Mumias West	Mumias West Sub County Hospital	18,700
	Navakholo	Buchangu Dispensary	2,800
	Navakholo	Budonga Dispensary	1,500
	Navakholo	Bushiri Health Centre	1,700
	Navakholo	Ematiha Dispensary	1,450
	Navakholo	Ingotse Dispensary	1,300
	Navakholo	Kharanda Health Centre	2,200
	Navakholo	Namirama Dispensary	1,350
	Navakholo	Natunyi Dispensary	1,165
	Navakholo	Navakholo Sub County Hospital	12,700
	Navakholo	Sivilie Health Centre	3,100
	Shinyalu	Shinyalu Model Health Centre	13,850
<b>TOTAL</b>			<b>265,115</b>
Moderna	Butere	Butere County Hospital	2,940
	Ikolomani	Iguhu County Hospital	8,876
	Khwisero	Khwisero Health Centre	3,640
	Likuyani	Likuyani Sub County Hospital	5,185
	Lugari	Lumakanda County Hospital	4,455

Report of the Auditor-General on the Special Audit of Covid-19 Vaccine Roll Out for the County Government of Kakamega

Vaccine	Sub County	Facility	Total Doses
	Lurambi Sub County	Kakamega County General Hospital	10,248
	Malava	Malava County Hospital	8,260
	Matungu	Matungu Sub County Hospital	4,914
	Mumias East	Shianda Health Centre	7,546
	Mumias West	Mumias West Sub County Hospital	6,146
	Navakholo	Buchangu Dispensary	140
	Navakholo	Sivilie Health Centre	100
	Shinyalu	Shinyalu Model Health Centre	7,260
<b>TOTAL</b>			<b>69,710</b>
Oxford/AstraZeneca	Butere	Butere County Hospital	24,314
	Ikolomani	Iguhu County Hospital	26,094
	Khwisero	Khwisero Health Centre	18,950
	Likuyani	Likuyani Sub County Hospital	29,532
	Lugari	Lumakanda County Hospital	21,496
	Lurambi Sub County	Kakamega County General Hospital	36,836
	Malava	Malava County Hospital	21,168
	Matungu	Matungu Sub County Hospital	33,562
	Mumias East	Shianda Health Centre	14,441
	Mumias West	Mumias West Sub County Hospital	9,440
	Navakholo	Buchangu Dispensary	1,560
	Navakholo	Budonga Dispensary	700
	Navakholo	Bushiri Health Centre	950
	Navakholo	Ematiha Dispensary	1,030
	Navakholo	Kharanda Health Centre	3,230
	Navakholo	Namirama Dispensary	300
	Navakholo	Natunyi Dispensary	720
	Navakholo	Navakholo Sub County Hospital	4,425
	Navakholo	Sivilie Health Centre	2,862

Report of the Auditor-General on the Special Audit of Covid-19 Vaccine Roll Out for the County Government of Kakamega

Vaccine	Sub County	Facility	Total Doses
	Shinyalu	Shinyalu Model Health Centre	15,460
<b>TOTAL</b>			<b>267,070</b>
<b>Pfizer</b>	Butere	Butere County Hospital	30,696
	Ikolomani	Iguhu County Hospital	22,026
	Khwisero	Khwisero Health Centre	17,814
	Likuyani	Likuyani Sub County Hospital	20,052
	Lugari	Lumakanda County Hospital	30,630
	Lurambi Sub County	Kakamega County General Hospital	22,740
	Malava	Malava County Hospital	32,022
	Matungu	Matungu Sub County Hospital	18,834
	Mumias East	Shianda Health Centre	16,866
	Mumias West	Mumias West Sub County Hospital	22,908
	Navakholo	Buchangu Dispensary	660
	Navakholo	Budonga Dispensary	650
	Navakholo	Bushiri Health Centre	1,620
	Navakholo	Ematiha Dispensary	850
	Navakholo	Kharanda Health Centre	1,520
	Navakholo	Namirama Dispensary	114
	Navakholo	Navakholo Sub County Hospital	480
	Navakholo	Sivilie Health Centre	600
	Shinyalu	Shinyalu Model Health Centre	27,042
<b>TOTAL</b>			<b>268,124</b>
<b>Grand Total</b>			<b>870,019</b>

Appendix 6 – Utilization at Kakamega County Facilities as at 31 March 2022

Vaccine	Facility	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed	Damaged and disposed	Wastage and disposed	Unexplained Variance
Janssen	Buchangu Dispensary	2,800	1,814		-	-	-	868
	Budonga Dispensary	1,500	315		-	-	-	1,165
	Bushiri Health Centre	1,700	2,564		-	-	-	(921)
	Butere County Hospital	15,300	13,007		-	-		1,459
	Ematiha Dispensary	1,450	572		-	-	-	671
	Iguhu County Hospital	9,400	7,099		-	-		854
	Ingotse Dispensary	1,300	2		-	-	-	1,293
	Kakamega County General	27,900	28,498		-	-		(440)
	Kharanda Health Centre	2,200	2,770		-	-	-	(904)
	Khwisero Health Centre	16,200	13,707		-	-		2,284
	Likuyani Sub County Hospital	22,000	20,840		-	-	-	16
	Lumakanda County Hospital	29,200	27,405		-	-	-	(1,596)
	Malava County Hospital	42,000	34,243		-	-	-	4,098
	Matungu Sub County Hospital	25,800	16,262		-	-		3,692
	Mumias West Sub County	18,700	22,625		-	-		(4,823)
	Namirama Dispensary	1,350	18		-	-	-	1,280
	Natunyi Dispensary	1,165	799		-	-	-	326
	Navakholo Sub County Hospital	12,700	7,946		-	-	-	(9,913)
	Shianda Health Centre	15,500	14,420		-	-		(1,218)
	Shinyalu Model Health Centre	13,850	14,719		-	-	-	(3,266)
	Sivilie Health Centre	3,100	3,933		-	-	-	(876)
<b>Total</b>		<b>265,115</b>	<b>233,558</b>			-		<b>(5,951)</b>

Report of the Auditor-General on the Special Audit of Covid-19 Vaccine Roll Out for the County Government of Kakamega

Vaccine	Facility	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed	Damaged and disposed	Wastage and disposed	Unexplained Variance
Moderna	Buchangu Dispensary	140	168	-	-	-	-	(28)
	Butere County Hospital	2,940	1,795	-	-	-	-	545
	Iguhu County Hospital	8,876	7,202	-	-	-	-	135
	Kakamega County General	10,248	8,383	-	-	-	-	584
	Kharanda Health Centre	-	4	-	-	-	-	(4)
	Khwisero Health Centre	3,640	2,154	-	-	-	-	768
	Likuyani Sub County Hospital	5,185	5,020	-	-	-	-	111
	Lumakanda County Hospital	4,455	4,361	-	-	-	-	94
	Malava County Hospital	8,260	6,049	-	-	-	-	2,137
	Matungu Sub County Hospital	4,914	2,462	-	-	-	-	2,326
	Mumias West Sub County	6,146	4,507	-	-	-	-	(25)
	Navakholo Sub County Hospital	-	50	-	-	-	-	(50)
	Shianda Health Centre	7,546	5,889	-	-	-	-	1,679
	Shinyalu Model Health Centre	7,260	4,982	-	-	-	-	2,082
	Sivilie Health Centre	100	38	-	-	-	-	62
<b>Total</b>		<b>69,710</b>	<b>53,064</b>	-	-	-	-	<b>10,416</b>
Oxford/AstraZe	Buchangu Dispensary	1,560	661	-	-	-	-	789
	Budonga Dispensary	700	196	-	-	-	-	504
	Bushiri Health Centre	950	1,160	-	-	-	-	(210)
	Butere County Hospital	24,314	20,484	-	-	-	-	2,058
	Ematiha Dispensary	1,030	290	-	-	-	-	610
	Iguhu County Hospital	26,094	19,662	-	-	-	-	2,474
	Kakamega County General	36,836	33,437	-	-	-	-	4,132
	Khalaba medical centre	-	-	-	-	-	-	-

Report of the Auditor-General on the Special Audit of Covid-19 Vaccine Roll Out for the County Government of Kakamega

Vaccine	Facility	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed	Damaged and disposed	Wastage and disposed	Unexplained Variance
	Kharanda Health Centre	3,230	1,349	-	-	-	-	1,881
	Khwisero Health Centre	18,950	18,543	-	-	-	-	(836)
	Likuyani Sub County Hospital	29,532	22,650	-	-	-	-	6,590
	Lumakanda County Hospital	21,496	17,986	-	-	-	-	2,926
	Malava County Hospital	21,168	18,688	-	-	-	-	1,805
	Matungu Sub County Hospital	33,562	25,010	-	-	-	-	3,934
	Mumias West Sub County	9,440	9,717	-	-	-	-	(1,574)
	Namirama Dispensary	300	-	-	-	-	-	300
	Natunyi Dispensary	720	311	-	-	-	-	409
	Navakholo Sub County Hospital	4,425	7,154	-	-	-	-	(5,239)
	Shianda Health Centre	14,441	12,326	-	-	-	-	2,190
	Shinyalu Model Health Centre	15,460	11,349	-	-	-	-	2,975
	Sivilie Health Centre	2,862	1,749	-	-	-	-	1,057
<b>Total</b>		<b>267,070</b>	<b>222,722</b>					<b>26,775</b>
Pfizer	Buchangu Dispensary	660	970	-	-	-	-	(348)
	Budonga Dispensary	650	54	-	-	-	-	596
	Bushiri Health Centre	1,620	1,821	-	-	-	-	(433)
	Butere County Hospital	30,696	26,867	-	-	-	-	3,615
	Ematiha Dispensary	850	193	-	-	-	-	505
	Iguhu County Hospital	22,026	18,336	-	-	-	-	66
	Kakamega County General	22,740	20,092	-	-	-	-	2,444
	Kharanda Health Centre	1,520	2,345	-	-	-	-	(888)
	Khwisero Health Centre	17,814	12,714	-	-	-	-	2,771
	Likuyani Sub County Hospital	20,052	19,078	-	-	-	-	(5)

Report of the Auditor-General on the Special Audit of Covid-19 Vaccine Roll Out for the County Government of Kakamega

Vaccine	Facility	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed	Damaged and disposed	Wastage and disposed	Unexplained Variance
	Lumakanda County Hospital	30,630	18,058			-	-	14,299
	Malava County Hospital	32,022	25,840			-	-	4,302
	Matungu Sub County Hospital	18,834	15,918			-		649
	Mumias West Sub County	22,908	18,929			-		1,798
	Namirama Dispensary	114	-		-	-	-	21
	Navakholo Sub County Hospital	480	2,288	-		-	-	(3,404)
	Shianda Health Centre	16,866	15,734			-		(1,903)
	Shinyalu Model Health Centre	27,042	23,795			-	-	(453)
	Sivilie Health Centre	600	2,093		-	-	-	(1,498)
<b>Total</b>		<b>268,124</b>	<b>225,125</b>			-		<b>22,134</b>

## Appendix 7: Disposal at Sub County Level – Kakamega County

Sub County	D1	D2	D3	D4	D5	D6	D7
Butere	Yes	No	No	Yes	Yes	No	No
Ikolomani	Yes	No	No	Yes	Yes	No	No
Lugari	No	No	No	No	Yes	No	No
Likuyani	Yes	Yes	Yes	Yes	Yes	No	Yes
Lurambi	Yes	No	No	Yes	Yes	No	No
Mumias East	No	No	No	No	Yes	No	No
Mumias West	Yes	No	No	Yes	Yes	No	No
Matungu	Yes	No	No	Yes	Yes	No	No
Navakholo	Yes	No	No	Yes	Yes	No	No
Malava	Yes	No	No	Yes	Yes	No	No
Shinyalu	Yes	No	No	Yes	Yes	No	No
Khwisero	No	No	No	No	Yes	No	No
<b>Compliant</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>12</b>	<b>0</b>	<b>1</b>
<b>Non-Compliant</b>	<b>3</b>	<b>11</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>11</b>

### KEY/DETAILS:

D1	Was waste management plan developed at either the National and/or County level?
D2	Was there a budget developed for disposal of Covid-19 waste? (Compare actual with the budget and Report under observation if the budget was adequate or not)
D3	Did Covid-19 waste transported from one county to another have clearance from NEMA?
D4	Were disposed vaccine vials recorded and accounted for in the vaccine inventory report?
D5	Did the County/Store fill any application form for disposal of pharmaceutical waste issued by the Pharmacy and Poisons Board in compliance with the Guidelines for safe management of pharmaceutical waste?
D6	Are the disposals done at a NEMA approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste
D7	Was disposal of pharmaceutical waste supervised by a Pharmacy and Poisons Board inspector OR Public Health Officer in compliance with the Guidelines for safe management of pharmaceutical waste?

**Appendix 8: Disposal at Facility Level – Kakamega County**

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
Shinyalu	Chief Milimu Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Chilobani Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Ikuywa Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Ileho Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Ivochio Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Kakamega Forest Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Kambiri Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Magomari Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Musembe Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Shamakhubu Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
Navakholo	Shikusi Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Shinyalu Model Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Vikunga Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Buchangu	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Budonga Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Bushiri Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Ematiha Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Kharanda Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Namirama Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Natunyi Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	Yes
Lurambi	Navakholo Subcounty Hospital	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No
	Sivilie Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Approved Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Elukhambi Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Elwesero Health centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Emukaba Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Emusanda Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	GK Prison Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Isumba Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Kakamega County General Hospital	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Matioli Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Matsakuli Dispensary	Yes	No	Yes	Yes	No		No	No	Yes	No	No	Yes
	Nabongo Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Shiyunzu	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
Butere	Butere County Hospital	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Iranda Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Lukohe Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Mabole Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Manyala SCH	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	No
	Bulwe Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Eshibimbi Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Eshimukoko Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Imanga Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Mungungune Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Shibembe Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Shikunga Model Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Shiraha Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Shitsitswi Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Shisaba Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
Ikolomani	Buyemi	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Ighu	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Imalaba	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	No	No	Yes
	Imulama	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
	Kilingili	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Millmani	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Savane	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	Shibwe	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shichinji	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Shihalia	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	No
	Shikokho	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shikumumu	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No
	Shirumba	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	Yes
	Shiseso	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
Khwisero	Ebuhala Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	EKambuli	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Elwangale HC	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Emalindi HC	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Emutsesa	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Eshiabwali	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Eshibinga HC	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Eshinutsa Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	No
	Khwisero Sub County Hospital	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Muhaka HC	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Mulwanda	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Mundobelwa Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Mwihila Mission	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Namasoli Health Centre	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	No
Likuyani	Lumino Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	No
	Milmani Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	No
	Nyorotis Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Kongoni HC	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Sango Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Seregeya Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	Yes
	Mabusi Health centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Matunda Subcounty hospital	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	Likuyani SCH	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No	Yes
	Soyambu Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Turbo Forest Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Sinoko Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
Lugari	Chekalin!	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Lugari Forest Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Lumakanda County Hospital	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No
	Lumani Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
	Lunyito Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
	Mahanga Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Matete Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Maturu Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
	Mautuma Sub County Hospital	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No
	Mbagara Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Mukyu Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Munyuki Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Musembe Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	No
	NYS Turbo Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	No
	Nztoa Matete Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Vuyika Dispensary	Yes	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes
Malava	Chelugo	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Chevoso Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Chombeli Model HC	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
	Ikhanji Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
	Kamuschu Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes
	Kimangeti Dispensary	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes
	Kuvasali Health centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
	Malava SCH	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
	Manda dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	Mayuge Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Mugai Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No
	Mukhuyu Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Namagara Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Shameberere Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Shihome Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	No	No	Yes
	Shivanga Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Sulungai Dispensary	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Tombo Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
Matungu	Indangalasia Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Itete Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Khalaba Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Lubanga Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Lunganyiro Model health centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Lutasio Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Matungu Sub County Hospital	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Mirere Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Mung'ungu Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Namasanda Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Namulungu	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Shibanze Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
Murmias East	Eluche Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Elwakana Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Elwasambi	Yes	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
	Kamashia Health C	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Khaunga Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Lusheya Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Makunga	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Malaha	Yes	No	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	Munganga Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Nyaporo Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	Shianda Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
Mumias West	Bukaya Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Bungasi Health Centre	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Eshikalame Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Eshikulu Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Mumias Level 4	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes
	Mumias Model HC	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
<b>Compliant</b>		<b>163</b>	<b>1</b>	<b>163</b>	<b>163</b>	<b>110</b>	<b>148</b>	<b>0</b>	<b>1</b>	<b>160</b>	<b>109</b>	<b>10</b>	<b>90</b>
<b>Non-Compliant</b>		<b>0</b>	<b>151</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>3</b>	<b>163</b>	<b>162</b>	<b>3</b>	<b>54</b>	<b>153</b>	<b>62</b>

#### KEY/Details

D1	Does the facility have a waste management plan?
D2	Was there a budget for the disposal of Covid-19 Waste?
D3	Was there pharmaceutical waste separated from the sharp waste and other healthcare wastes and the different wastes securely packaged in plastic bags or rigid containers which are clearly labeled?
D4	Was there pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical? (Applicable to facilities with large volumes of daily waste, that do not transport/dispose daily)
D5	Is the public health officer involved in the disposal of Covid-19 Waste? (Storage, Transportation and Supervision of Disposal)
D6	Does the Facility Transport Pharmaceutical Waste? (For facilities that do not have a NEMA approved Waste Disposal Site. These sites have an incinerator. N/B: A burning chamber is not an incinerator)
D7	Was there pharmaceutical waste is transported to a NEMA approved Waste Disposal Site. (Facility should have a copy for the approval of the site/incinerator and a separate documentation regarding approval for the transportation)
D8	Was there a pharmaceutical waste transported from one county to another had clearance from NEMA
D9	Does the facility have an incinerator, burning chamber or burning pit?
D10	Was the method used to dispose of sharp waste (syringes and needles) by the Healthcare facility and whether complying with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines

	vials and ancillary supply (Treatment should be by Incineration, Sharps are to be incinerated while other waste is to be burnt in a burning chamber)
D11	Did the quantity and the method used in the disposal of any vaccine vials (both wasted and expired) by the Healthcare facility comply with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply? (requirement is Treatment by disinfection with solution, encapsulation, autoclaving or inertization)
D12	Were the disposed vaccine vials recorded and accounted for in the vaccine inventory report?

## Appendix 9: HR at Sub County Level – Kakamega County

Sub County	HR1	HR2	HR3	HR4	HR5	HR6	HR7
Butere	No	Yes	Yes	Yes	No	No	Yes
Ikolomani	No	Yes	Yes	Yes	No	No	Yes
Lugari	No	Yes	Yes	Yes	No	No	Yes
Likuyani	No	Yes	Yes	Yes	No	No	Yes
Lurambi	No	Yes	Yes	Yes	No	No	Yes
Mumias East	No	Yes	Yes	Yes	No	No	Yes
Mumias West	No	Yes	Yes	Yes	No	No	Yes
Matungu	No	Yes	Yes	Yes	No	No	Yes
Navakholo	No	Yes	Yes	Yes	No	No	Yes
Malava	No	Yes	Yes	Yes	No	No	Yes
Shinyalu	No	Yes	Yes	Yes	No	No	Yes
Khwisero	No	Yes	Yes	Yes	No	No	Yes
<b>Compliant</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b>Non-Compliant</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>0</b>

### KEY/DETAILS:

HR1	Was the county represented in National training for ToTs? If 0 indicate in the remarks column number of people involved
HR2	Were the Sub County health management team trained on Covid-19 immunization?
HR3	Was the training well spread to all cadres supposed to be trained? Establish the composition of the Sub County health management team trained and what was covered in the training
HR4	Was there a training plan and were the trainings done as per training plan?
HR5	Was there a specific training budget for covid -19 immunization?
HR6	Does comparison of Expenditure with actual expenditure for training on Covid-19 vaccination give rise to a variance?
HR7	Did you Obtain details of staff at national/county/Sub County/facility for the following Categories indicating their designation, attendance dates, Financier, etc.?

Appendix 10: HR at Facility Level – Kakamega County

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
Shinyalu	Chief Milimu Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Chilobani Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Ikuywa Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Ileho Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Ivochio Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Kakamega Forest Dispensary	No	Yes	Yes	Yes	Yes	No
	Kambiri Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Lyson Manyatta Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Magomari Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Mukumu Mission Hospital	Yes	Yes	Yes	Yes	Yes	No
	Musembe Dispensary	No	Yes	Yes	Yes	Yes	No
	Shamakhubu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Shikusi Dispensary	No	Yes	Yes	Yes	Yes	No
	Shinyalu Model Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Vikunga Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Navakholo	Buchangu	No	Yes	Yes	Yes	Yes
Budonga Dispensary		Yes	Yes	Yes	Yes	Yes	Yes
Bushiri Health Centre		Yes	Yes	Yes	Yes	Yes	No
Ematiha Dispensary		Yes	Yes	Yes	Yes	Yes	Yes
Ingotse Mission Health centre		Yes	Yes	Yes	Yes	Yes	Yes
Kharanda Health Centre		No	Yes	Yes	Yes	Yes	Yes
Namirama Dispensary		Yes	Yes	Yes	Yes	Yes	No
Natunyi Dispensary		No	Yes	Yes	Yes	Yes	Yes
Navakholo Subcounty Hospital		Yes	Yes	Yes	Yes	Yes	Yes
Sivilie Health Centre		Yes	Yes	Yes	Yes	Yes	No
Lurambi	Approved Dispensary	Yes	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Elukhambi Dispensary	No	Yes	Yes	Yes	Yes	No
	Elwesero Health centre	Yes	Yes	Yes	Yes	Yes	Yes
	Emukaba Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Emusanda Health Centre	No	No	Yes	Yes	Yes	Yes
	GK Prison Dispensary	No	Yes	Yes	Yes	Yes	No
	Isumba Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Kakamega County General Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Matioii Dispensary	No	Yes	Yes	Yes	Yes	No
	Matsakulu Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Nabongo Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Shiyunzu	No	Yes	Yes	Yes	Yes	Yes
Butere	Butere County Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Iranda Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Lukohe Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Mabole Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Manyala SCH	No	Yes	Yes	Yes	Yes	Yes
	Bulilwe Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Eshibimbi Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Eshimukoko Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Imanga Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Mungungune Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Shibembe Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Shikunga Model Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Shiraha Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Shitsitswi Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Shisaba Dispensary	Yes	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
Ikolomani	Buyemi	No	Yes	Yes	Yes	Yes	No
	Iguhu	No	Yes	Yes	Yes	Yes	No
	Imaba	No	Yes	Yes	Yes	Yes	No
	Imlama	No	Yes	Yes	Yes	Yes	No
	Kilingili	No	Yes	Yes	Yes	Yes	No
	Millimani	No	Yes	Yes	Yes	Yes	Yes
	Muruduf	No	Yes	Yes	Yes	Yes	No
	Savane	No	Yes	Yes	Yes	Yes	No
	Shibwe	Yes	Yes	Yes	Yes	Yes	Yes
	Shichinjili	No	Yes	Yes	Yes	Yes	Yes
	Shihalia	No	Yes	Yes	Yes	Yes	No
	Shikokho	No	Yes	Yes	Yes	Yes	Yes
	Shikumu	No	Yes	Yes	Yes	Yes	No
	Shirumba	No	Yes	Yes	Yes	Yes	No
	Shiseso	No	Yes	Yes	Yes	Yes	No
	St Pius Musoli FBO	No	Yes	Yes	Yes	Yes	No
Khwisero	Ebuhala Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Ekambuili	No	Yes	Yes	Yes	Yes	No
	Elwangale HC	No	Yes	Yes	Yes	Yes	No
	Emalindi HC	No	Yes	Yes	Yes	Yes	No
	Emutsesa	No	Yes	Yes	Yes	Yes	No
	Eshiabwali	No	Yes	Yes	Yes	Yes	No
	Eshibinga HC	No	Yes	Yes	Yes	Yes	No
	Eshinutsa Health Centre	No	Yes	Yes	Yes	Yes	No
	Khwisero Sub County Hospital	No	Yes	Yes	Yes	Yes	Yes
	Muhaka HC	No	Yes	Yes	Yes	Yes	No
	Mulwanda	No	Yes	Yes	Yes	Yes	No

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Mundobelwa Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Mwhilia Mission	No	Yes	Yes	Yes	Yes	Yes
	Namasoli Health Centre	No	Yes	Yes	Yes	Yes	Yes
Likuyani	Lumino Dispensary	No	Yes	Yes	Yes	Yes	No
	Milimani Dispensary	No	Yes	Yes	Yes	Yes	No
	Nyorotis Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Kongoni HC	No	Yes	Yes	Yes	Yes	Yes
	Sango Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Seregeya Dispensary	No	Yes	Yes	Yes	Yes	No
	Mabusli Health centre	Yes	Yes	Yes	Yes	Yes	Yes
	Matunda Subcounty hospital	No	Yes	Yes	Yes	Yes	Yes
	Likuyani SCH	No	Yes	Yes	Yes	Yes	Yes
	Soysambu Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Turbo Forest Dispensary	No	Yes	Yes	Yes	Yes	Yes
Lugari	Chekalinii	No	No	Yes	Yes	Yes	Yes
	Lugari Forest Dispensary	No	Yes	Yes	Yes	Yes	No
	Lumakanda County Hospital	No	Yes	Yes	Yes	Yes	No
	Lumani Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Lunyito Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Mahanga Dispensary	No	Yes	Yes	Yes	Yes	No
	Matete Health Centre	No	No	Yes	Yes	Yes	Yes
	Maturu Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Mautuma Sub County Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Mbagara Dispensary	No	Yes	Yes	Yes	Yes	No
	Mukuyu Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Munyuki Dispensary	No	Yes	Yes	Yes	Yes	No

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Musembe Dispensary	No	Yes	Yes	Yes	Yes	No
	NYS Turbo Dispensary	No	Yes	Yes	Yes	Yes	No
	Nzisa Matete Dispensary	No	No	Yes	Yes	Yes	No
	St. Charles Lwanga	No	Yes	Yes	Yes	Yes	No
	Vuyika Dispensary	No	Yes	Yes	Yes	Yes	Yes
Malava	Chebwai Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Chelugo	Yes	Yes	Yes	Yes	Yes	Yes
	Chevos Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Chombeli Model HC	No	Yes	Yes	Yes	Yes	No
	Ikhanyi Dispensary	No	No	Yes	Yes	Yes	No
	Kamusichu Dispensary	No	No	Yes	Yes	Yes	Yes
	Kimangeti Dispensary	No	Yes	No	Yes	Yes	Yes
	Kuvasali Health centre	No	Yes	Yes	Yes	Yes	Yes
	Malava SCH	Yes	Yes	Yes	Yes	Yes	Yes
	Manda dispensary	No	No	Yes	Yes	Yes	Yes
	Mayge Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Mugai Dispensary	No	Yes	Yes	Yes	Yes	No
	Mukhuyu Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Namagara Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Shameberere Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Shihome Dispensary	No	Yes	Yes	Yes	Yes	No
	Shivanga Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Sulungai Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
Matungu	Tombo Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Bliss Medical Clinic	No	No	Yes	Yes	Yes	Yes
	Indangalasia Dispensary	No	No	Yes	Yes	Yes	Yes
	Itete Dispensary	No	No	Yes	Yes	Yes	Yes

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Khalaba Health Centre	No	Yes	Yes	Yes	Yes	Yes
	Lubanga Dispensary	Yes	No	Yes	Yes	Yes	Yes
	Lunganyiro Model health centre	No	No	Yes	Yes	Yes	Yes
	Lutasio Dispensary	No	No	Yes	Yes	Yes	Yes
	Matungu Sub County Hospital	No	Yes	Yes	Yes	Yes	No
	Mirere Health Centre	No	No	Yes	Yes	Yes	Yes
	Mung'ungu Dispensary	No	No	Yes	Yes	Yes	Yes
	Namasanda Dispensary	No	No	Yes	Yes	Yes	Yes
	Namulungu	Yes	No	Yes	Yes	Yes	Yes
	Shibanze Dispensary	No	Yes	Yes	Yes	Yes	Yes
Mumias East	St. Angela Medical Centre	Yes	No	Yes	Yes	Yes	Yes
	Eluche Dispensary	No	No	Yes	Yes	Yes	No
	Elwakana Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Elwasambi	No	Yes	Yes	Yes	Yes	No
	Kamashia Health C	No	Yes	Yes	Yes	Yes	No
	Khaunga Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Lushya Health Centre	No	Yes	Yes	Yes	Yes	No
	Makunga	No	Yes	Yes	Yes	Yes	No
	Malahi	No	Yes	Yes	Yes	Yes	No
	Munganga Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Nyaporo Dispensary	No	Yes	Yes	Yes	Yes	No
	Shianda Health Centre	No	Yes	Yes	Yes	Yes	Yes
Mumias West	Bukaya Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Bungasi Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Eshikalame Dispensary	No	Yes	Yes	Yes	Yes	Yes
	Eshikuli Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	George Mudanya Kadima MC	Yes	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Mumias Level 4	Yes	Yes	Yes	Yes	Yes	Yes
	Mumias Model HC	No	Yes	Yes	Yes	Yes	Yes
	St. Mary's Mission Hospital	Yes	Yes	Yes	Yes	Yes	Yes
<b>Compliant</b>		<b>58</b>	<b>155</b>	<b>162</b>	<b>163</b>	<b>163</b>	<b>97</b>
<b>Non-Compliant</b>		<b>105</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>66</b>

**KEY/DETAILS:**

<b>HR1</b>	Did the facility have adequate staff to carry out the Covid-19 vaccination (See guide from 5.1 below)
<b>HR2</b>	Did these staff have separation of roles and if not, was the staff trained to handle other roles? (See guide from 5.1 below)
<b>HR3</b>	Were health Care Workers (HCW) trained before commencement of Covid-19 Vaccination at the facility? (HCW should be trained before being issued with vaccines. Compare date of training with the date the first doze of vaccine were received)
<b>HR4</b>	Were the health care workers trained on vaccine administration (i.e. what was covered in the training)?
<b>HR5</b>	Have you obtained the details of the facility's staff (involved in Covid-19 vaccination) as follows
<b>HR6</b>	Has any staff of the facility been used in training other staff? I.e. CHV with Job Description of Trained on Mobilization, Awareness creation

**Appendix 11: Coordination of Players at County Level – Kakamega County**

County	CP1	CP2	CP3	CP4	CP5	CP6	CP7	CP8	CP9
Kakamega County	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Compliant</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Non-Compliant</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**KEY/Details:**

CP1	Was a coordination taskforce/committee at the county and Sub County formed?
CP2	Did the task force /committee have terms of reference?
CP3	Were the tors executed?
CP4	Did the county receive any directives/advisory/instruction from the national government in relation to covid-19 vaccination?
CP5	Did the county/Sub County taskforce communicate to the National Task force?
CP6	Did the committee/task force keep minutes of their meetings?
CP7	Did the county/Sub County carry out any advocacy?
CP8	Did the county/Sub County carried out mobilization?
CP9	Did the county/Sub County carry out any outreaches?

## Appendix 12: Coordination of Players at Sub County Level – Kakamega County

Sub County	CP1	CP2	CP3	CP4	CP5	CP6	CP7	CP8	CP9
Butere	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ikolomani	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes
Lugari	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Likuyani	No	No	No	Yes	Yes	No	Yes	Yes	Yes
Lurambi	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Mumias East	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mumias West	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes
Matungu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Navakholo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Malava	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shinyalu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Khwisero	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Compliant</b>	<b>10</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>12</b>	<b>9</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>Non-Compliant</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>

### KEY/DETAILS:

CP1	Was a coordination taskforce/committee at the county and Sub County formed?
CP2	Did the task force /committee have terms of reference?
CP3	Were the tors executed?
CP4	Did the county receive any directives/advisory/instruction from the national government in relation to covid-19 vaccination?
CP5	Did the county/Sub County taskforce communicate to the National Task force?
CP6	Did the committee/task force keep minutes of their meetings?
CP7	Did the county/Sub County carry out any advocacy?
CP8	Did the county/Sub County carried out mobilization?
CP9	Did the county/Sub County carry out any outreaches?

**Appendix 13: Coordination of Players at Facility Level – Kakamega County**

Sub County	Facility	CP1	CP2	CP3	CP4	CP5
Shinyalu	Chief Milimu Dispensary	Yes	Yes	Yes	Yes	Yes
	Chilobani Dispensary	Yes	Yes	Yes	Yes	Yes
	Ikuywa Dispensary	Yes	Yes	Yes	Yes	Yes
	Ileho Health Centre	Yes	Yes	Yes	Yes	Yes
	Ivochio Dispensary	Yes	Yes	Yes	Yes	Yes
	Kakamega Forest Dispensary	Yes	Yes	Yes	Yes	Yes
	Kambiri Health Centre	Yes	Yes	Yes	Yes	Yes
	Lyson Manyatta Hospital	Yes	Yes	Yes	Yes	No
	Magomari Dispensary	Yes	Yes	Yes	Yes	Yes
	Mukumu Mission Hospital	Yes	Yes	Yes	Yes	No
	Musembe Dispensary	Yes	Yes	Yes	Yes	Yes
	Shamakhubu Dispensary	Yes	Yes	Yes	Yes	Yes
	Shikusi Dispensary	Yes	Yes	Yes	Yes	Yes
	Shinyalu Model Health Centre	Yes	Yes	Yes	Yes	Yes
Vikunga Dispensary	Yes	Yes	Yes	Yes	Yes	
Navakholo	Buchangu	Yes	Yes	Yes	Yes	Yes
	Budonga Dispensary	Yes	Yes	Yes	Yes	Yes
	Bushiri Health Centre	Yes	Yes	Yes	Yes	Yes
	Ematiha Dispensary	Yes	Yes	Yes	Yes	Yes
	Ingotse Mission Health centre	Yes	Yes	Yes	Yes	Yes
	Kharanda Health Centre	Yes	Yes	Yes	Yes	Yes
	Namirama Dispensary	Yes	Yes	Yes	Yes	Yes
	Natunyi Dispensary	Yes	Yes	Yes	Yes	Yes
	Navakholo Subcounty Hospital	Yes	Yes	Yes	Yes	Yes
	Sivilie Health Centre	Yes	Yes	Yes	Yes	Yes
	Approved Dispensary	Yes	Yes	Yes	Yes	Yes
	Elukhambi Dispensary	Yes	Yes	Yes	Yes	Yes
	Elwesero Health centre	Yes	Yes	Yes	Yes	Yes
	Emukaba Dispensary	Yes	Yes	Yes	Yes	Yes
Lurambi	Approved Dispensary	Yes	Yes	Yes	Yes	Yes
	Elukhambi Dispensary	Yes	Yes	Yes	Yes	Yes
	Elwesero Health centre	Yes	Yes	Yes	Yes	Yes
	Emukaba Dispensary	Yes	Yes	Yes	Yes	Yes
	Approved Dispensary	Yes	Yes	Yes	Yes	Yes
	Elukhambi Dispensary	Yes	Yes	Yes	Yes	Yes
	Elwesero Health centre	Yes	Yes	Yes	Yes	Yes
	Emukaba Dispensary	Yes	Yes	Yes	Yes	Yes
	Approved Dispensary	Yes	Yes	Yes	Yes	Yes
	Elukhambi Dispensary	Yes	Yes	Yes	Yes	Yes
	Elwesero Health centre	Yes	Yes	Yes	Yes	Yes
	Emukaba Dispensary	Yes	Yes	Yes	Yes	Yes
	Approved Dispensary	Yes	Yes	Yes	Yes	Yes
	Elukhambi Dispensary	Yes	Yes	Yes	Yes	Yes
Elwesero Health centre	Yes	Yes	Yes	Yes	Yes	

Sub County	Facility	CP1	CP2	CP3	CP4	CP5
	Emusanda Health Centre	Yes	Yes	Yes	Yes	Yes
	GK Prison Dispensary	Yes	Yes	Yes	Yes	Yes
	Isumba Dispensary	Yes	Yes	Yes	Yes	Yes
	Kakamega County General Hospital	Yes	Yes	Yes	Yes	Yes
	Matioii Dispensary	Yes	Yes	Yes	Yes	Yes
	Matsakulu Dispensary	Yes	Yes	Yes	Yes	Yes
	Nabongo Dispensary	Yes	Yes	Yes	Yes	Yes
	Shiyunzu	Yes	Yes	Yes	Yes	Yes
Butere	Butere County Hospital	Yes	Yes	Yes	Yes	Yes
	Iranda Health Centre	Yes	Yes	Yes	Yes	Yes
	Lukohe Health Centre	Yes	Yes	Yes	Yes	Yes
	Mabole Health Centre	Yes	Yes	Yes	Yes	Yes
	Manyala SCH	Yes	Yes	Yes	Yes	Yes
	Bulilwe Health Centre	Yes	Yes	Yes	Yes	Yes
	Eshibimbi Health Centre	Yes	Yes	Yes	Yes	Yes
	Eshimukoko Health Centre	Yes	Yes	Yes	Yes	Yes
	Imanga Health Centre	Yes	Yes	Yes	Yes	Yes
	Mungungune Dispensary	Yes	Yes	Yes	Yes	Yes
	Shibembe Health Centre	Yes	Yes	Yes	Yes	Yes
	Shikunga Model Health Centre	Yes	Yes	Yes	Yes	Yes
	Shiraha Health Centre	Yes	Yes	Yes	Yes	Yes
	Shitsitswi Health Centre	Yes	Yes	Yes	Yes	Yes
	Shisaba Dispensary	Yes	Yes	Yes	Yes	Yes
Ikolomani	Buyemi	Yes	Yes	Yes	Yes	Yes
	Ighnu	Yes	Yes	Yes	Yes	Yes
	Imalaba	Yes	Yes	Yes	Yes	Yes
	Imulama	Yes	Yes	Yes	Yes	Yes
	Killingill	Yes	Yes	Yes	Yes	Yes
	Millimani	Yes	Yes	Yes	Yes	Yes
	Murderf	Yes	Yes	Yes	No	No
	Savane	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	CP1	CP2	CP3	CP4	CP5
	Shibwe	Yes	Yes	Yes	Yes	Yes
	Shichinjji	Yes	Yes	Yes	Yes	Yes
	Shihalla	Yes	Yes	Yes	Yes	Yes
	Shikoko	Yes	Yes	Yes	Yes	Yes
	Shikumu	Yes	Yes	Yes	Yes	Yes
	Shirumba	Yes	Yes	Yes	Yes	Yes
	Shiseso	Yes	Yes	Yes	Yes	Yes
	St Pius Musoli FBO	Yes	Yes	Yes	Yes	Yes
Khwisero	Ebuhala Health Centre	Yes	Yes	Yes	Yes	Yes
	EKambuli	Yes	Yes	Yes	Yes	Yes
	Elwangale HC	Yes	Yes	Yes	Yes	Yes
	Emalindi HC	Yes	Yes	Yes	Yes	Yes
	Emutsesa	Yes	Yes	Yes	Yes	Yes
	Eshabwali	Yes	Yes	Yes	Yes	Yes
	Eshibinga HC	Yes	Yes	Yes	Yes	Yes
	Eshnutsa Health Centre	Yes	Yes	Yes	Yes	Yes
	Khwisero Sub County Hospital	Yes	Yes	Yes	Yes	Yes
	Muhaka HC	Yes	Yes	Yes	Yes	Yes
	Mulwanda	Yes	Yes	Yes	Yes	Yes
	Mundobelwa Health Centre	Yes	Yes	Yes	Yes	Yes
	Mwihila Mission	Yes	Yes	Yes	Yes	Yes
	Namasoli Health Centre	Yes	Yes	Yes	Yes	Yes
Likyani	Lumino Dispensary	Yes	Yes	Yes	Yes	Yes
	Milmani Dispensary	Yes	Yes	Yes	Yes	Yes
	Nyoroti Dispensary	Yes	Yes	Yes	Yes	Yes
	Kongoni HC	Yes	Yes	Yes	Yes	Yes
	Sango Dispensary	Yes	Yes	Yes	Yes	Yes
	Seregeya Dispensary	Yes	Yes	Yes	Yes	Yes
	Mabusii Health centre	Yes	Yes	Yes	Yes	Yes
	Matunda Subcounty hospital	Yes	Yes	Yes	Yes	Yes
	Likyani SCH	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	CP1	CP2	CP3	CP4	CP5
	Soyambu Dispensary	Yes	Yes	Yes	Yes	Yes
	Turbo Forest Dispensary	Yes	Yes	Yes	Yes	Yes
	Sinoko Dispensary	Yes	Yes	Yes	Yes	Yes
Lugari	Chekalini	Yes	Yes	Yes	Yes	Yes
	Lugari Forest Dispensary	Yes	Yes	Yes	Yes	Yes
	Lumakanda County Hospital	Yes	Yes	Yes	Yes	Yes
	Lumani Dispensary	Yes	Yes	Yes	Yes	Yes
	Lunyito Dispensary	Yes	Yes	Yes	Yes	Yes
	Mahanga Dispensary	Yes	Yes	Yes	Yes	Yes
	Matete Health Centre	Yes	Yes	Yes	Yes	Yes
	Maturu Dispensary	Yes	Yes	Yes	Yes	Yes
	Mautuma Sub County Hospital	Yes	Yes	Yes	Yes	Yes
	Mbagara Dispensary	Yes	Yes	Yes	Yes	Yes
	Mukuyu Dispensary	Yes	Yes	Yes	Yes	Yes
	Munyuki Dispensary	Yes	Yes	Yes	Yes	Yes
	Musembe Dispensary	Yes	Yes	Yes	Yes	Yes
	NYS Turbo Dispensary	Yes	Yes	Yes	Yes	Yes
	Nztoa Matete Dispensary	Yes	Yes	Yes	Yes	Yes
	St. Charles Lwanga	Yes	Yes	Yes	Yes	No
	Vuyika Dispensary	Yes	Yes	Yes	Yes	Yes
	Chebwai Dispensary	Yes	Yes	Yes	Yes	Yes
	Chelugo	Yes	Yes	Yes	Yes	Yes
	Chevozo Dispensary	Yes	Yes	Yes	Yes	Yes
	Chombeli Model HC	Yes	Yes	Yes	Yes	Yes
	Ikhanyi Dispensary	Yes	Yes	Yes	Yes	Yes
	Kamusichu Dispensary	Yes	Yes	Yes	Yes	Yes
	Kimangeti Dispensary	Yes	Yes	Yes	No	Yes
	Kuvasali Health centre	Yes	Yes	Yes	Yes	Yes
	Malava SCH	Yes	Yes	Yes	Yes	Yes
	Manda dispensary	Yes	Yes	Yes	Yes	Yes
	Mayuge Dispensary	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	CP1	CP2	CP3	CP4	CP5
	Mugai Dispensary	Yes	Yes	Yes	Yes	Yes
	Mukhuyu Dispensary	Yes	Yes	Yes	Yes	Yes
	Namagara Dispensary	Yes	Yes	Yes	Yes	Yes
	Shameberere Health Centre	Yes	Yes	Yes	Yes	Yes
	Shihome Dispensary	Yes	Yes	Yes	Yes	Yes
	Shivanga Health Centre	Yes	Yes	Yes	Yes	Yes
	Sulungai Dispensary	Yes	Yes	Yes	Yes	Yes
	Tombo Dispensary	Yes	Yes	Yes	Yes	Yes
Matungu	Bliss Medical Clinic	Yes	Yes	Yes	Yes	Yes
	Indangalasia Dispensary	Yes	Yes	Yes	Yes	Yes
	Itete Dispensary	Yes	Yes	Yes	Yes	Yes
	Khalaba Health Centre	Yes	Yes	Yes	Yes	Yes
	Lubanga Dispensary	Yes	Yes	Yes	Yes	Yes
	Lunganyiro Model health centre	Yes	Yes	Yes	Yes	Yes
	Lutasio Dispensary	Yes	Yes	Yes	Yes	Yes
	Matungu Sub County Hospital	Yes	Yes	Yes	Yes	Yes
	Mirere Health Centre	Yes	Yes	Yes	Yes	Yes
	Mung'ungu Dispensary	Yes	Yes	Yes	Yes	Yes
	Namasanda Dispensary	Yes	Yes	Yes	Yes	Yes
	Namlungu	Yes	Yes	Yes	Yes	Yes
	Shibanze Dispensary	Yes	Yes	Yes	Yes	Yes
	St. Angela Medical Centre	Yes	Yes	Yes	Yes	Yes
Mumias East	Eluche Dispensary	Yes	Yes	Yes	Yes	Yes
	Elwakana Dispensary	Yes	Yes	Yes	Yes	Yes
	Elwasambi	Yes	Yes	Yes	Yes	Yes
	Kamashia Health C	Yes	Yes	Yes	Yes	Yes
	Khaunga Health Centre	Yes	Yes	Yes	Yes	Yes
	Lusheya Health Centre	Yes	Yes	Yes	Yes	Yes
	Makunga	Yes	Yes	Yes	Yes	Yes
	Malaha	Yes	Yes	Yes	Yes	Yes
	Munganga Health Centre	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	CP1	CP2	CP3	CP4	CP5
	Nyaporo Dispensary	Yes	Yes	Yes	Yes	Yes
	Shianda Health Centre	Yes	Yes	Yes	Yes	Yes
Mumias West	Bukaya Health Centre	Yes	Yes	Yes	Yes	Yes
	Bungasi Health Centre	Yes	Yes	Yes	Yes	Yes
	Eshikalame Dispensary	Yes	Yes	Yes	Yes	Yes
	Eshikulu Dispensary	Yes	Yes	Yes	Yes	Yes
	George Mudanya Kadima MC	Yes	Yes	Yes	Yes	Yes
	Mumias Level 4	Yes	Yes	Yes	Yes	Yes
	Mumias Model HC	Yes	Yes	Yes	Yes	Yes
	St. Mary's Mission Hospital	Yes	Yes	Yes	Yes	Yes
<b>Compliant</b>		163	163	163	161	159
<b>Non-Compliant</b>		0	0	0	2	4

**KEY/DETAILS:**

<b>CP1</b>	Does the facility receive Covid-19 vaccine related directives/information from the National/county?
<b>CP2</b>	Did the facility receive communication from the National/county/Sub County government
<b>CP3</b>	Has the Facility carried out advocacy?
<b>CP4</b>	Has the Facility carried out mobilization?
<b>CP5</b>	Did the Facility carry out any outreaches?

#### Appendix 14: Monitoring and Supervision at County Level – Kakamega County

County	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15
Kakamega County	No	No	No	No	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No
Compliant	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0
Non-Compliant	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1

#### KEY/Details:

M1	Did the County designate an in charge/Committee for monitoring Covid-19 vaccine rollout?
M2	Were there terms of reference for the M&E committee?
M3	Were there reports of the M & E committee
M4	Are the recommendation of the monitoring and evaluation team implemented?
M5	Did the county receive any tablets from the Ministry?
M6	Were the tablets distributed?
M7	Are the tablets in good working conditions?
M8	Are the Personnel involved in the rollout been receiving airtime?
M9	Did the county/Sub County put in place any measures to ensure patients report adverse effect?
M10	Has the County/Sub County/facility received Adverse effect booklet etc. that are required to report adverse effects?
M11	Has the Sub County/facility experienced any instance of adverse effect?
M12	Does the County/Sub County/Facility monitor temperature during transportation of vaccines?
M13	Does the County/Sub County record temperature every morning and evening in the temperature monitoring chart?
M14	Does the County/Sub County/Facility monitor for the expiry of the vaccines?
M15	Has the Sub County/County monitored the Pfizer and Moderna vaccines for the 30 days expiry period after thawing?

## Appendix 15: Monitoring and Supervision at Sub County Level – Kakamega County

Sub County	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15
Butere	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ikolomani	Yes	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lugari	Yes	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes
Likuyani	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Lurambi	Yes	No	No	No	Yes	Yes	No	No	Yes	Yes	No	No	Yes	Yes	Yes
Mumias East	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mumias West	Yes	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Matungu	Yes	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes
Navakholo	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Malava	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shinyalu	Yes	No	No	No	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes
Khwisero	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
<b>Compliant</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>10</b>	<b>6</b>	<b>12</b>	<b>12</b>	<b>7</b>	<b>8</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>Non-Compliant</b>	<b>1</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>

### KEY/Details:

M1	Did the County designate an in charge/Committee for monitoring Covid-19 vaccine rollout?
M2	Were there terms of reference for the M&E committee?
M3	Were there reports of the M & E committee
M4	Are the recommendation of the monitoring and evaluation team implemented?
M5	Did the county receive any tablets from the Ministry?
M6	Were the tablets distributed?
M7	Are the tablets in good working conditions?
M8	Are the Personnel involved in the rollout been receiving airtime?
M9	Did the county/Sub County put in place any measures to ensure patients report adverse effect?

Report of the Auditor-General on the Special Audit of Covid-19 Vaccine Roll Out for the County Government of Kakamega

M10	Has the County/Sub County/facility received Adverse effect booklet etc. that are required to report adverse effects?
M11	Has the Sub County/facility experienced any instance of adverse effect?
M12	Does the County/Sub County/Facility monitor temperature during transportation of vaccines?
M13	Does the County/Sub County record temperature every morning and evening in the temperature monitoring chart?
M14	Does the County/Sub County/Facility monitor for the expiry of the vaccines?
M15	Has the Sub County/County monitored the Pfizer and Moderna vaccines for the 30 days expiry period after thawing?

Appendix 16: Monitoring & Supervision at Facility Level – Kakamega County

Sub County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
Shinyalu	Chief Milimu Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Chilobani Dispensary	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Ikuywa Dispensary	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Ileho Health Centre	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Ivochio Dispensary	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kakamega Forest Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kambiri Health Centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lyson Manyatta Hospital	No	No	No	Yes	No	No	No	Yes	Yes	Yes	Yes
	Magomari Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Mukumu Mission Hospital	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Navakholo	Musembe Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shamakhubu Dispensary	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shikusi Dispensary	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Shinyalu Model Health Centre	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Vikunga Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Buchangu	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Budonga Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Bushiri Health Centre	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Ematiha Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Ingotse Mission Health centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Lurambi	Kharanda Health Centre	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Namirama Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Natunyi Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	No	Yes
	Navakholo Subcounty Hospital	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Sivilie Health Centre	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Approved Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Elukhambi Dispensary	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	

Sub County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
	Elwesero Health centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Emukaba Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Emusanda Health Centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	GK Prison Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Isumba Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kakamega County General Hospital	Yes	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Matioii Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	No	Yes
	Matsakulu Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	No	No
	Nabongo Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shiyunzu	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes
<b>Butere</b>	Butere County Hospital	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Iranda Health Centre	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lukohe Health Centre	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Mabole Health Centre	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Manyala SCH	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Bulilwe Health Centre	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Eshibimbi Health Centre	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Eshimukoko Health Centre	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Imanga Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mungungu Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shibembe Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shikunga Model Health Centre	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shiraha Health Centre	Yes	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shitsitswi Health Centre	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shisaba Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
<b>Ikolmani</b>	Buyemi	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Iguhu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Imalaba	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No

Sub County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
	Imulama	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kiling'ili	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Millimani	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Muruduf	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Savane	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shibwe	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shichinjili	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shihalia	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shikokho	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shikumu	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shirumba	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Shiseso	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	St Pius Musoli FBO	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
Khwisero	Ebuhala Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes
	Ekambuli	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Elwangale HC	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Emalindi HC	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Emutsesa	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Eshabwaili	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Eshibinga HC	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Eshnutsa Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Khwisero Sub County Hospital	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Muhaka HC	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mulwanda	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mundobelwa Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mwihila Mission	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Namasoli Health Centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Likyani	Lumino Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
	Milimani Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Nyrotis Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Kongoni HC	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Sango Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Seregeya Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mabusii Health centre	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Matunda Subcounty hospital	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Likuyani SCH	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Soysambu Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Turbo Forest Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Sinoko Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Lugari	Chekallini	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lugari Forest Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lumakanda County Hospital	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Lumani Dispensary	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lunyito Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mahanga Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Matete Health Centre	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Maturu Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mautuma Sub County Hospital	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mbagara Dispensary	No	No	No	Yes	Yes	No	No	Yes	No	Yes	Yes
	Mukuyu Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Musembe Dispensary	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	NYS Turbo Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Nzia Matete Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	St. Charles Lwanga	No	No	No	Yes	No	No	No	Yes	Yes	No	Yes
	Vuyika Dispensary	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes

Sub County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
Malava	Chebwai Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Chelugo	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Cheviso Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Chombeli Model HC	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Ikanyi Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Kamusichu Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Kimangeti Dispensary	No	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Kuvasali Health centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Malava SCH	Yes	No	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Manda dispensary	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Mayge Dispensary	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Mugai Dispensary	No	No	No	No	No	No	No	No	No	No	No
	Mukhuyu Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Namagara Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shameberere Health Centre	Yes	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shihome Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Shivanga Health Centre	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Sulungai Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Matungu	Tombo Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Bliss Medical Clinic	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Indangalasia Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Itete Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Khalaba Health Centre	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Lubanga Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Lunganyiro Model health centre	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Lutasio Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Matungu Sub County Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Mirere Health Centre	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes

Sub County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
	Mung'ungu Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Namasanda Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Namlungu	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shibanze Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	St. Angela Medical Centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Mumias East	Eluche Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Elwakana Dispensary	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Elwasambi	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kamashia Health C	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Khaunga Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lushaya Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Makunga	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Malaha	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Munganga Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Nyaporo Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Shianda Health Centre	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	Yes
Mumias West	Bukaya Health Centre	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Bungasi Health Centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Eshikalame Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Eshikulu Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	George Mudanya Kadima MC	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
	Mumias Level 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Mumias Model HC	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	St. Mary's Mission Hospital	No	No	No	Yes	No	No	No	Yes	Yes	Yes	Yes
Compliant		66	47	48	163	157	6	113	160	161	157	161
Non-Compliant		97	116	115	0	6	157	50	3	2	6	2

**KEY/DETAILS:**

<b>M1</b>	Did the Facility receive any tablets for Covid-19 vaccine data entry?
<b>M2</b>	Has the facility staff been receiving airtime on time?
<b>M3</b>	Are the tablets in good working conditions?
<b>M4</b>	Has the County/Sub County/facility put in place to ensure patients report adverse effect
<b>M5</b>	Has the County/Sub County/facility received any Adverse effect booklets that are required to report adverse effects?
<b>M6</b>	Has the Sub County/facility experienced any instance of adverse effect?
<b>M7</b>	Does the County/Sub County/Facility monitor temperature during transportation of vaccines
<b>M8</b>	Does the County/Sub County record temperature every morning and evening in the temperature monitoring chart
<b>M9</b>	Does the County/Sub County/Facility monitor for the expiry of the vaccines?
<b>M10</b>	Does the County/Sub County/Facility monitor for the expiry of the vaccines?
<b>M11</b>	Has the county/Sub County/Facility been making use of the temperature monitoring tools?



## CONTACTS

Office of the Auditor-General  
Anniversary Towers  
P.O. Box 30084 - 00100 Nairobi, Kenya  
Tel: 254 20 3214000  
E-mail: [info@oagkenya.go.ke](mailto:info@oagkenya.go.ke)



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